



ಜಿಲ್ಲಾಧಿಕಾರಿಗಳ ಕಾರ್ಯಾಲಯ, ಚಾಮರಾಜನಗರ ಜಿಲ್ಲೆ, ಚಾಮರಾಜನಗರ

Office of the Deputy Commissioner, Chamarajanagar District
Chamarajanagar, Phone No 08226-223160, 08226-223170, Fax: 08226-
223180, E-mail deo.cnagar@gmailcom

No. Dist. admn/DEP/Ch-Nagar/2020-21

Date: 23/06/2021

To,

The Member Secretary
Central Pollution Control Board
Parivesh Bhawan,
East Arjun Nagar,
Delhi – 110 032

Sir,

Sub: Preparation/implementation of District Environment Plan as per order dated
29/01/2021 passed by Hon'ble Green Tribunal in the matter of O.A. 360/2018-reg.

Ref: CPCB letter No. B-31011/BMW (42.55)/2021/WMD-1 dated: 17/05/2021.

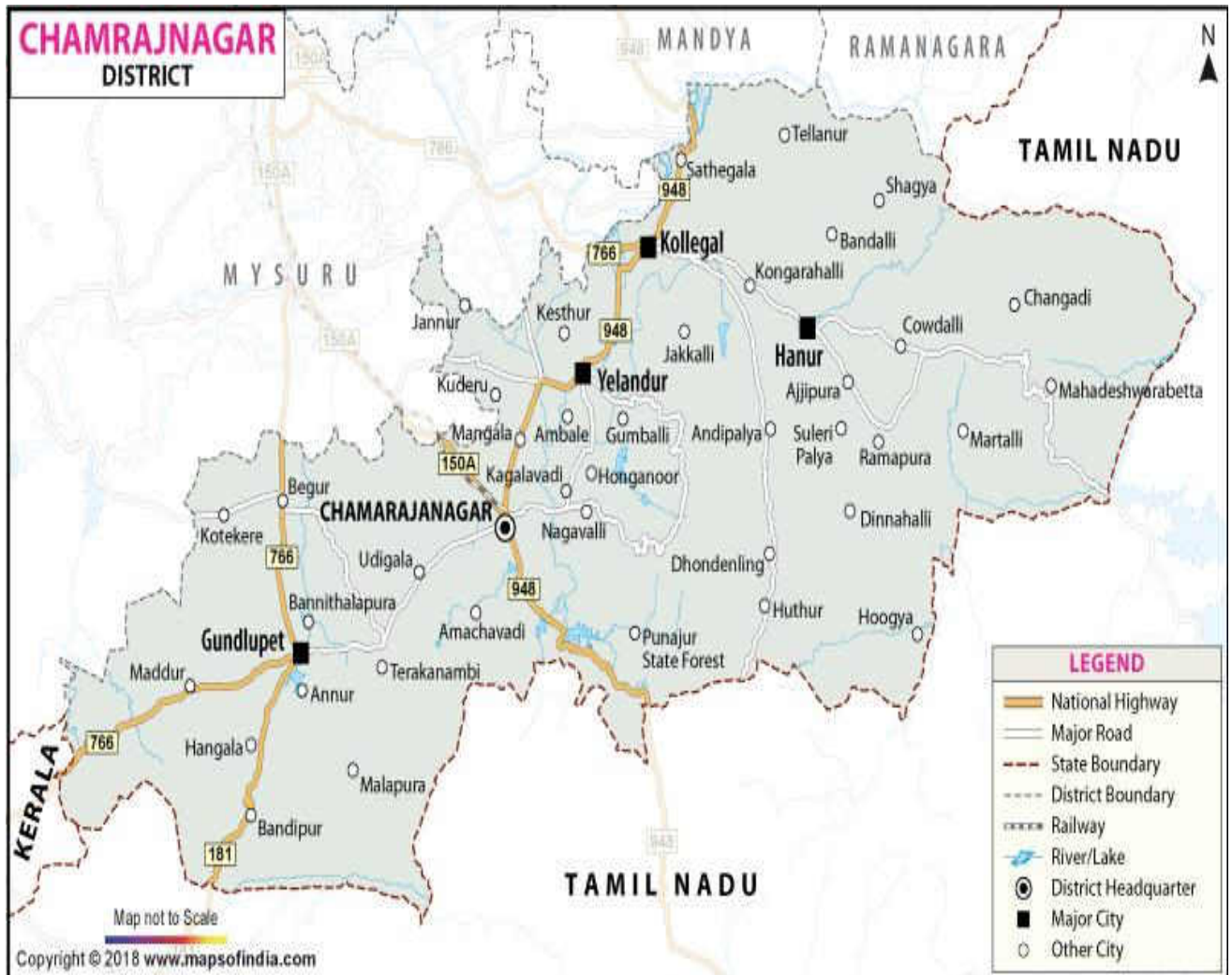
With reference to above the revised District Environmental Plan pertaining to
Chamarajanagar District as per the new template is prepared based on the information/Data
submitted by concerned departments is enclosed for further needful.


Deputy Commissioner

Chamarajanagar Dist., Chamarajanagar
Deputy Commissioner
Chamarajanagar Dist
Chamarajanagar

DISTRICT ENVIRONMENTAL PLAN FOR CHAMARAJANAGAR DISTRICT

KARNATAKA STATE



Office of the Deputy Commissioner,
Chamarajanagar District,
Chamarajanagar.

Phone No. 08226-223160, 08226-223170, Fax: 08226-223180

E-mail deo.cnagar@gmail.com

Contents

District Profile.....	4
a. District Administrative Set-up.....	5
b. Local institutions.....	5
c. Natural Resources	5
▪ Water bodies.....	5
▪ Availability of water resources.....	6
▪ Forest coverage.....	6
d. Geography & Demography	7
e. Land-use patter	7
f. Climate	7
g. Tourist Place	8
2.0 Indicative Gap Analysis and Action Plans for complying with Waste Management Rules.....	9
(i) Solid Waste Management	9
a. Current status related to solid Waste management.....	9
b. Identification of gaps and Action plan	10
(ii) Plastic waste Management.....	26
(a) Current status related to Plastic waste management	26
(b) Identification of gaps and Action plan.....	26
(iii) C &D Waste Management	33
a. Current status related to C &D Waste	33
b. Identification of gaps and Action plan	34
(iv) Biomedical Waste Management.....	37
a. Current Status related to biomedical waste	37
b. Identification of gaps and Action plan	37
(v) Hazardous Waste Management	41
a. Current Status related to Hazardous Waste Management	41
b. Identification of gaps and action plan	42
(vi) E-Waste Management	43
a. Current Status related to E-Waste Management	43
b. Identification of gaps and action plan	44
Air Quality Management.....	47
a. Current Status related to Air Quality Management.....	47
b. Identification of gaps and action plan	48
Water Quality Management	50
Water Quality Monitoring.....	50

a. Current Status related to Water Quality Management	50
b. Identification of gaps and action plan for water quality monitoring.....	52
Domestic Sewage.....	58
a. Identification of gaps and action plan for treatment of domestic sewage	61
Industrial waste water management	65
a. Current Status related to Industrial Wastewater Management	65
b. Identification of gaps and action plan for industrial wastewater:	65
Mining Activity Management plan	68
a. Current Status related to Mining Activity Management	68
b. Identification of gaps and action plan.....	69
Noise Pollution Management plan.....	70
a. Current Status related to Noise Pollution Management.....	70
b. Identification of gaps and action plan.....	70

District Profile

Chamarajanagar is the southernmost District in the state of Karnataka. Chamarajanagar was named after Chamaraja Wodeyar, the Wodeyar king of Mysore who was born here. The Vijaya Parsvanath Basadi, a holy Jain shrine was constructed by Punisadanda nayaka, the commander of the Hoysala king Gangaraja in the year 1117 AD. Chamarajanagar has been carved out from the Mysore District in the year 1997. Hanur taluk was formed during the year 2018. At present District comprises of 5 taluks namely Chamarajanagar, Kollegal, Yelandur, Gundlupet & Hanur taluk. It is the third least populous District in Karnataka, after Kodagu and Bengaluru Rural. Chamarajanagar District borders the state of Tamil Nadu and Kerala. Most part of the District lies in the leeward region of the Nilgiris and consists of mainly semi- arid rain-dependent flatlands along with forested hills.

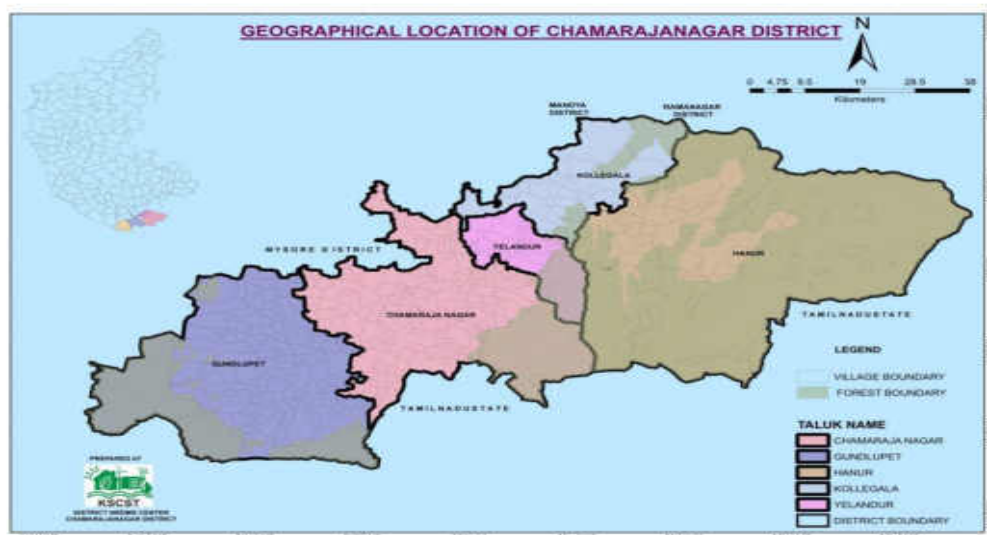
The Chamarajanagar District is situated in the southern part of the Deccan Peninsula and Southern most of Karnataka State. Physiographically, the region is classified as partly maidan and partly semi-malnad. The District has an area of 5648.00 sq.kms. It is bounded by Mysore, Mandya and Ramanagar on north on south by Kannanore District of Kerala State, Udhaka Mandalam (Nilgiri) District on the east by Salem and Coimbatore Districts of Tamilnadu State. The latitude lies between 11°40' to 12°48' and longitude between 74°52' to 76°07'. The elevation/Latitude is 736 mts above sea level.

The District has a geographical area of 569901 hectares with a forest cover of 275610 hectares with rich forest products like sandal wood and wild animals. The District has a forest cover of half of total area. Temperature being 32 ° C (Max.) and 10 ° C (Min.), Average Rainfall is 951 mm and Major River being Cauvery and Suvarnavati.

The District may be classified as partly Maidan and general tableland with plain, undulating and mountainous. The southern and eastern Ghats in the District converge into group of hills. The landmass of the area forms an undulating tableland and lofty mountain ranges covered with vast forests. Master slope runs from south to north towards Cauvery River. The eastern and southern portions of Kollegal and Hanuru taluk forms continuous lofty hills such as M.M. hills with an elevation of 976m amsl having 77 hill ranges such as Anemale, Kadumale, Jenumale, etc., Doddasampigae is another hill range runs north to south for 6 kms in Kollegal 9 taluk. Biligiriranganabetta in Yalandur taluk, Gopalswamy hills in Gundlupet also forms the hill ranges in the District. Dense forest covered in the southern and south-western taluks, viz, Kollegal, Yalandur, C.R.Nagar and Gundlupet.

There are four notified eco sensitive zones in the District viz., Cauvery wildlife sanctuary, Bandipur national park, Biligiri Ranganathaswamy Tiger (BRT) Reserve and Male Mahadeshwara sanctuary.

a. District Administrative Set-up



The District comprises of five taluks namely Chamarajanagar, Gundlupet, Kollegal and Yelandur taluk is the smallest with total geographical area of 266.34 sq.kms. The District is having one revenue subdivision and the District headquarters at Chamarajanagar.

The Deputy Commissioner is head of the District administration. The Collectorate consists of various branches headed by Tahasildars, Shirshtedars or Managers who are responsible for supervision, guidance and overall management of work in their branch. Every branch consists of First Division Assistants and Second Division Assistants among whom all work of the branch is divided. There are various officials both at the District level and at the taluk levels to assist the Deputy Commissioner. They include the Assistant Commissioner's (Sub-Divisional Magistrate), Tahsildars, Shirstedars, Revenue Inspectors and Village Accountants.

b. Local institutions

The Zilla Panchayat, ChamaraJanagar, came into existence on March 1997, for decentralized planning and programme implementation at the grass root level. It was then called as Zilla Parishad, subsequently changed to Zilla Panchayat during 1995. As per the Karnataka Panchayat Raj Act, District has Zilla Panchayats, 5 Taluk Panchayats, 130 Grama Panchayats at District, with 509 villages with total population of 1020791 as per census 2011 in the District.

c. Natural Resources

▪ Water bodies

River Cauvery flows through Kollegal taluk in the north-west. Gaganachukki and Bharachukki waterfalls lie to the north-west of the District. River palar flows to the south-east of the District. River Suvarnavathi which flows in ChamaraJanagar and Yelandur taluks in the west joins River Cauvery. The Gundlu hole river flows from the

eastern side of BR hills through the gorges and valleys formed by BR Hills and MM Hills. Guliyuvanooru halla and Mayalakkiyuru halla are two small halla that joins River Cauvery. Maydhagunooru halla joins River Palar

- **Availability of water resources**

The District falls in Cauvery river basin. There are no major rivers flowing in the District, however Cauvery the perennial river flows along the border of Kollegal taluk of Chamarajanagar District with its tributaries like Suvarnavathy and Chikkahole. Suvarnavathy rises near Gajalahalli south eastern portion of Chamarajanagar and flows in the depression along the center of Chamarajanagar taluk with a north-south disposition in a northerly direction through Chamarajanagar and Yalandur taluks and joins the river Cauvery at Hampapura in Kollegal taluk. It has a catchment area of 1787 sq.km. with total course of about 88kms. in the District. The stream flows in rainy season only, runoff up to Umbale and influent to the rest of its course. Chikkahole is the tributary of Suvarnavathy, rises at Hasanurghat range to the south of Chamarajanagar flows in northerly direction. A dam is constructed across this tributary about 12kms. away from Chamarajanagar. Suvarnavathy also dammed at Atgulipura in Chamarajanagar taluk. Besides this Gundal, Thattaihalla, Uduthore halla and Palar are the tributaries of Cauvery river drains parts of Kollegal taluk. The area is characterized by sub-dendritic to sub-parallel drainage pattern. The drainage density of the area varies from 0.25 to 3.58 km/km². The density decreases towards Suvarnavathy river.

- **Forest coverage**

Chamarajanagar circle comprises one Tiger Reserve, namely, Biligiri Rangaswamy Temple Tiger Reserve, and two Wildlife divisions, namely, Cauvery Wildlife division and Male Mahadeshwara Hills (MM Hills) Wildlife division. There is one social forestry division, namely, Chamarajanagar SF division. BRT Tiger Reserve and MM Hills WLS are wholly situated in Chamarajanagar District. Cauvery WLS is situated partly in Chamarajanagar District, and partly in Mandya and Ramanagara Districts. Most of the forest areas of the circle are wildlife areas, harbouring predominantly dry deciduous forest with scrub forest in the fringes. There are patches of moist deciduous, semi-evergreen, evergreen and shola forests in the higher reaches of BRT and MM Hills.

The District has a forest cover of 275610 hectares with rich forest products like sandal wood and wild animals. The District has a forest cover of half of total area.

There are four notified eco sensitive zones in the District viz., Cauvery wildlife sanctuary, Bandipur national park, Biligiri Ranganathaswamy Tiger (BRT) Reserve and Male Mahadeshwara sanctuary.

d. Geography & Demography

Sl. No.	Particulars	State	District
1	Geographical Area (Sq.Km)	191791	5648
2	Population (2011 census)	Total population	61095297
		Rural population	37469335
		Urban population	23625962
3	Decadal population growth (2001-2011)	Persons (%)	15.6
4	Density of population	Persons per sq.Km	319
5	Literacy rate	Total Persons (%)	75.36
		Males (%)	82.47
		Females (%)	68.08
6	Sex ratio (No. of females per 1000 males)	Total	973
		Rural	979
		Urban	963

e. Land-use patter

Sl. No.	Particulars	Statistics
1	Geographical Area (Sq.Km)	5648
2	Area Under Forest (ha)	275610
3	Net Area Sown (ha)	153988
4	Grossed Cropped Area (ha)	193657
5	Area sown more than once	39669
6	Gross irrigated area (ha)	59785
7	Net irrigated area (ha)	44757
8	Percent of total cropped area to net area sown (%)	125.76
9	Percentage of Net area Irrigated to net area sown (%)	29.07

f. Climate

The climate of Chamarajanagar District is quite moderate throughout the year with a fairly hot summer and cold winter. March to May are the summer months. The mean maximum temperature is 34°C and the mean minimum temperature is 16.4°C. Relative humidity ranges from 69 to 85% in the morning and from 21% to 70% in the evening. The wind speed ranges from 8.4 to 14.1 kmph. The potential evapo-transpiration in the District ranges from 106 mm to 165 mm/year. The average annual rainfall of the District (2001-

2010, DES, Govt of Karnataka) is 737mm (Table. 1). The highest rainfall is received in Gundlupet taluk (802 mm) followed by Yalandur (737 mm), Kollegal (712mm) and Chamarajanagar (696mm) taluks. Except Gundlupet taluk, in others the amount of rainfall is more or less similar. About 37% of the annual rainfall is received during the SW monsoon (June – September), 36% during post-monsoon or NE monsoon (October – December) and the remaining 27% during the pre-monsoon (January- May) period. The analysis of rainfall for the above period indicates that though the SW monsoon is more predominant, substantial rainfall is received during the post-monsoon or NE monsoon period. The average annual rainy days are 54 (District at a Glance 2008- 09). Thus, it can be seen that a fairly uniform distribution rainfall during different seasons and good number of rainy days will help the rain fed agriculture in the District.

g. Tourist Places

The main tourist attractions in the District are Biligiriranga Hills, Male Mahadeshwara Hills, Hoganekkal falls and Shivasamudram falls. Bandipur national park and Gopalaswamy Hills in Gundlupet attracts many visitors.

2. Indicate Gaps of Analysis and Action Plans for complying with Waste Management

Rules

(i). Solid Waste Management

(a). Current status related to Solid Waste Management

	Urban Local bodies	No. of Wards	No. of House holds	Population	Solid Waste Generated per day
1	Municipal corporations (Nagar Nigam or Mahanagar Palika)	Not Applicable	Not Applicable	Not Applicable	Not Applicable
2	Municipalities(Nagar Palikas)	City Municipal Council Chamarajanagar– 31	17652	69875	34.05 TPD
		City Municipal Council Kollegal-31	16383	57149	21 TPD
3	Nagar panchayats (Town area Councils)	Town Municipal Council, Gundlupet-23	6525	28105	10.83 TPD
		Town Panchayath Hanur-13	2716	11066	6.0 TPD
		Town Panchayath Yelandur–11	2055	8779	3.50 TPD

	Local Bodies	No of Village panchayats / Blocks	No of House holds	Population	Solid Waste Generated per day
1.	Block/Taluk/ Mandal Tehsils				
2.	Village/Gram Panchayats	130	-	845817	169.16 MT

Note:

- The actual quantity of Solid waste generated in Village/ Grama Panchayats is not available, as such theoretical calculation assuming 200 gms/ head/day.
- Directions will be given to Grama panchayat to quantify the actual solid waste generated in their jurisdiction.

b. Identification of gaps and action plan

SL.No.	Action points For villages/blocks/to wn municipalities /City corporations	Identification of gap	Action Plan	Responsible agencies	Timeline for completion of action plan																																			
1.	Segregation																																							
(i)	Segregation of waste at source	<p>Whether segregation at source practiced by households and other waste generators:</p> <table border="1"> <thead> <tr> <th>SL. No</th> <th>ULB's</th> <th>No. of wards</th> <th>No. of wards with 100% Source segregation</th> <th>Gap Analysis</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>CM Council Chamarajanagar</td> <td>31</td> <td>19</td> <td>12</td> </tr> <tr> <td>2</td> <td>CM Council Kollegal</td> <td>31</td> <td>15</td> <td>16</td> </tr> <tr> <td>3</td> <td>TMC Gundlupet</td> <td>23</td> <td>11</td> <td>11</td> </tr> <tr> <td>4</td> <td>TP Hanur</td> <td>13</td> <td>03</td> <td>10</td> </tr> <tr> <td>5</td> <td>TP Yelandur</td> <td>11</td> <td>06</td> <td>05</td> </tr> <tr> <td></td> <td></td> <td>109</td> <td>55</td> <td>54</td> </tr> </tbody> </table>	SL. No	ULB's	No. of wards	No. of wards with 100% Source segregation	Gap Analysis	1	CM Council Chamarajanagar	31	19	12	2	CM Council Kollegal	31	15	16	3	TMC Gundlupet	23	11	11	4	TP Hanur	13	03	10	5	TP Yelandur	11	06	05			109	55	54	<p>Action plan to achieve segregation at source. Awareness programs, incentives, etc. may be considered</p> <ol style="list-style-type: none"> 1. ULB's shall ensure series of awareness programme to promote (i) 100% source segregation (ii) insitu system for effective composting programme will be conducted in local languages every day through announcement regarding segregation of wastes at source. 2. Penalty / Fines shall be imposed to public if the source segregation is not practiced. 3. Monthly once Awards to be given to good house 	ULB's	31-12- 2021
SL. No	ULB's	No. of wards	No. of wards with 100% Source segregation	Gap Analysis																																				
1	CM Council Chamarajanagar	31	19	12																																				
2	CM Council Kollegal	31	15	16																																				
3	TMC Gundlupet	23	11	11																																				
4	TP Hanur	13	03	10																																				
5	TP Yelandur	11	06	05																																				
		109	55	54																																				

			<p>for best practice in solid waste management in order to promote and encourage the public.</p> <ol style="list-style-type: none"> 4. Non-collection of un-segregated wastes from households. 5. Promoting in-situ wet waste composting in the rural areas within their premises. 6. Promoting decentralized system of municipal solid waste management in each wards. 7. Segregation at generation source of solid waste in proper color coded bins. 8. Preventing solid waste entering into water bodies – installation of bar mesh in Nallahs & Drains. 		
--	--	--	--	--	--

2	Sweeping						
(i)	Manual Sweeping	(i). % or length of road not covered for regulars weeping			Action plan for reducing gap including method cleaning, frequency of sweeping etc., 1. Complete utilization of manpower Shall be made to achieve 100% sweeping. 2. The gap in man power will be covered within timeline of 6 months as per existing norms. 3. Identification of sweeping workers and allocation of shifts for road stretches to be cleaned and to make 100% utilization of both tools and man power to achieve gap in cleaning. If required ULB's shall outsource the manpower. 4. ULB's shall ensure that all workers Shall be provided with sufficient PPE kits. 5. TP Yelandur is required to prepare DPR within 6 months and approval from competent authority within timeline. 6. Regular cleaning of drains and disposal of sludge	ULB's	31-12-2021
SL. No	ULB's	Total length of the road	length of road covered for regular sweeping	Gap Analysis			
1	CM Council Chamarajanagar	207 Km	70.38 Km	136.62 Km			
2	CM Council Kollegal	108 Km	74 Km	34 Km			
3	TMC Gundlupet	51 Km	51 Km	0			
4	TP Hanur	32.1 Km	32.1 Km	0			
5	TP Yelandur	15.28 km	12 Km	3.28 Km			
	Total	413.38 KM	239.48 KM	173.9 KM			
(ii). Gaps in man power							
SL.No	ULB's	Man power Required as per DPR	Available Man power	Gap Analysis			
1	CM Council Chamarajana gar	154	131	23			
2	CM Council Kollegal	126	99	27			
3	TMC Gundlupet	54	54	Nil			
4	TP Hanur	23	12	11			
5	TP Yelandur	DPR is not yet prepared	16	DPR is not yet			

				prepared
	Total	357	312	61

(iii). Gap in availability of sweeping tools/equipment

SL. No	ULB's	Required availability of sweeping tools/equipment	Present Available of sweeping tools/equipment
1	CM Council Chamarajanagar	Brooms, hand cart, waste storage bins	Sufficient no's are available
2	CM Council Kollegal	100%	100%
3	TMC Gundlupet	Long handle brooms, push cart	Sufficient no's are available
4	TP Hanur	Long handle brooms, push cart	Sufficient no's are available
5	TP Yelandur	16	16

(iv). Availability of suitable PPEs.

SL. No	ULB's	Required Availability of suitable PPEs.	Presently Availability of suitable PPEs	Gap Analysis
1	CM Council Chamarajanagar	Gloves, Gumboot, mask, apron, uniform, Helmet etc.,	Sufficient no's available	As and when, as per the requirement of these items immediate procurement

					is being done.							
		2	CM Council Kollegal	100%	100%	-						
		3	TMC Gundlupet	Gumboot, Gloves, Mask & Apron	Procured as per requirement	-						
		4	TP Hanur	Sufficient no's are available	Sufficient no's are available	-						
		5	TP Yelandur	16	16	-						
(ii)	Mechanical Road Sweeping & Collection	Gaps if any in achieving targeted area or length of road identified for Mechanical Road Sweeping.				Projected growth/ intended action plan with timelines.	ULB's	31-3-2022				
		<table border="1"> <thead> <tr> <th>Current Status</th> <th>Gap Analysis</th> </tr> </thead> <tbody> <tr> <td>Mechanical road sweeping is not carried out in the district only manual sweeping is practiced.</td> <td>No Mechanical sweeping facility in the district</td> </tr> </tbody> </table>		Current Status	Gap Analysis	Mechanical road sweeping is not carried out in the district only manual sweeping is practiced.	No Mechanical sweeping facility in the district			DPR shall be prepared to identify outsource agency to carry out the mechanical road sweeping and waste collection. The same will be implemented as per the DPR and time bound.		
Current Status	Gap Analysis											
Mechanical road sweeping is not carried out in the district only manual sweeping is practiced.	No Mechanical sweeping facility in the district											
3	Waste Collection											
(i)	100% collection of solidwaste	Whether 100%collectionachieved?				Action plan to improve existing collection		Not Applicable				
						Not Applicable	ULB's	Not Applicable				

SL. No	ULB's	No. of wards	No. of wards with 100% collection of solid waste	Gap Analysis
1	CM Council Chamarajanagar	31	31	Nil
2	CM Council Kollegal	31	31	Nil
3	TMC Gundlupet	23	23	Nil
4	TP Hanur	13	13	Nil
5	TP Yelandur	11	11	Nil
	Total	109	109	Nil

(ii) Arrangement for door to door collection

Arrangement for door to door provided:% of blocks/wards covered

SL.No	ULB's	No. of wards	No. of wards having arrangement for door to door collection	% achieved	Gap Analysis
1	CM Council Chamarajanagar	31	31	100%	Nil
2	CM Council Kollegal	31	31	100%	Nil
3	TMC Gundlupet	23	23	100%	Nil
4	TP Hanur	13	13	100%	Nil
5	TP Yelandur	11	11	100%	Nil

If there is gap, action plan for door to door collection across The District.

Not Applicable

ULB's

Not Applicable

		Total				109	109	100%	Nil				
(iii)	Waste Collection trolleys with separate compartments	Check availability and adequacy and if it needs Up gradation.					Action plan for procurement if required.					ULB's	31-3-2022
		SL. No	ULB's	Nos. Required	Nos. available	Gap Analysis	DPR shall be prepared for centralized tendering to purchase equipments necessary for solid waste management in the District. The same will be implemented as per the DPR and time bound.						
		1	CM Council, Chamarajanagar	29	15	14							
		2	CM Council Kollegal	5	3	2							
		3	TMC Gundlupet	16	5	11							
		4	TP Hanur	16	5	11							
		5	TP Yelandur	18	10	8							
	Total	84	38	46									
(iv)	Mini Collection Trucks with separate compartments	Check if adequate or needs Up gradation or not required					[Action plan for procurement if required]					ULB's	31-3-2022
		SL. No	ULB's	required	available	Gap Analysis	DPR shall be prepared for centralized tendering to purchase equipments necessary for solid waste management in the District. The same will be implemented as per the DPR and time bound..						
		1	CM Council Chamarajanagar	21	21	0							
		2	CM Council Kollegal	12	06	06							
		3	TMC Gundlupet	10	10	0							
		4	TP Hanur	3	3	0							
		5	TP Yelandur	4	2	2							
	Total	50	42	8									
(v)	Waste Deposition centres (for domestic hazardous)	Number of deposition centres required and no's available Or Any alternate arrangement.					1. ULB's will identify and establish the waste deposition centers in its jurisdiction in each taluk for collection of					ULB's	31-3-2022

	wastes)	<table border="1"> <thead> <tr> <th>SL. No</th> <th>ULB's</th> <th>Nos. Required</th> <th>Nos. available</th> <th>Gap Analysis</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>CM Council Chamarajanagar</td> <td>1</td> <td>1</td> <td>Collected in Dry waste collection centres</td> </tr> <tr> <td>2</td> <td>CM Council Kollegal</td> <td>1</td> <td>1</td> <td>1</td> </tr> <tr> <td>3</td> <td>TMC Gundlupet</td> <td>1</td> <td>1</td> <td>1</td> </tr> <tr> <td>4</td> <td>TP Hanur</td> <td>1</td> <td>0</td> <td>1</td> </tr> <tr> <td>5</td> <td>TP Yelandur</td> <td>1</td> <td>1</td> <td>1</td> </tr> <tr> <td></td> <td>Total</td> <td>5</td> <td>4</td> <td>5</td> </tr> </tbody> </table>					SL. No	ULB's	Nos. Required	Nos. available	Gap Analysis	1	CM Council Chamarajanagar	1	1	Collected in Dry waste collection centres	2	CM Council Kollegal	1	1	1	3	TMC Gundlupet	1	1	1	4	TP Hanur	1	0	1	5	TP Yelandur	1	1	1		Total	5	4	5	<p>domestic hazardous waste.</p> <p>2. ULB shall make an MOU with TSDF for scientific disposal of domestic hazardous Wastes.</p> <p>3. Records on collection and disposal of domestic hazardous Wastes shall be maintained and shall be submit to KSPCB regularly..</p>		
		SL. No	ULB's	Nos. Required	Nos. available	Gap Analysis																																						
		1	CM Council Chamarajanagar	1	1	Collected in Dry waste collection centres																																						
		2	CM Council Kollegal	1	1	1																																						
		3	TMC Gundlupet	1	1	1																																						
		4	TP Hanur	1	0	1																																						
		5	TP Yelandur	1	1	1																																						
			Total	5	4	5																																						
<p>Current Status:</p> <p>1. All ULBs at present is not having any specific Waste Deposition centres (for domestic hazardous wastes) but they are engaged in segregation of dry waste in Decentralized Dry waste collection centres in their jurisdiction.</p> <p>2. ULB's have not made any agreement with TSDF for final disposal of domestic hazardous waste.</p>																																												
4.	Waste Transport																																											

(i)	Review existing infrastructure for waste Transport.	<p>[Check(i) whether existing fleet is adequate (ii)check whether segregated waste transport possible etc.]</p> <table border="1" data-bbox="510 225 1435 679"> <thead> <tr> <th>SL.No</th> <th>ULB's</th> <th>Required</th> <th>available</th> <th>Gap Analysis</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>CM Council Chamarajanagar</td> <td>21</td> <td>21</td> <td>0</td> </tr> <tr> <td>2</td> <td>CM Council Kollegal</td> <td>3</td> <td>2</td> <td>1</td> </tr> <tr> <td>3</td> <td>TMC Gundlupet</td> <td>10</td> <td>10</td> <td>0</td> </tr> <tr> <td>4</td> <td>TP Hanur</td> <td>3</td> <td>3</td> <td>0</td> </tr> <tr> <td>5</td> <td>TP Yelandur</td> <td>2</td> <td>2</td> <td>0</td> </tr> <tr> <td colspan="2">Total</td> <td>39</td> <td>38</td> <td>1</td> </tr> </tbody> </table>	SL.No	ULB's	Required	available	Gap Analysis	1	CM Council Chamarajanagar	21	21	0	2	CM Council Kollegal	3	2	1	3	TMC Gundlupet	10	10	0	4	TP Hanur	3	3	0	5	TP Yelandur	2	2	0	Total		39	38	1	<p>Action plan for short-comings identified.</p> <p>DPR shall be prepared for centralized tendering to purchase equipments necessary for solid waste management in the District. The same will be implemented as per the DPR and time bound.</p>	ULB's	31-3-2022							
SL.No	ULB's	Required	available	Gap Analysis																																											
1	CM Council Chamarajanagar	21	21	0																																											
2	CM Council Kollegal	3	2	1																																											
3	TMC Gundlupet	10	10	0																																											
4	TP Hanur	3	3	0																																											
5	TP Yelandur	2	2	0																																											
Total		39	38	1																																											
2(ii)	Bulk Waste Trucks	<p>[check adequacy]</p> <table border="1" data-bbox="510 756 1435 1123"> <thead> <tr> <th>SL.No</th> <th>ULB's</th> <th>Required</th> <th>available</th> <th>Gap Analysis</th> <th>Remarks</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>CM Council Chamarajanagar</td> <td>1</td> <td>1</td> <td>0</td> <td></td> </tr> <tr> <td>2</td> <td>CM Council Kollegal</td> <td>1</td> <td>0</td> <td>1</td> <td>Tender under process</td> </tr> <tr> <td>3</td> <td>TMC Gundlupet</td> <td>1</td> <td>1</td> <td>0</td> <td></td> </tr> <tr> <td>4</td> <td>TP Hanur</td> <td>1</td> <td>0</td> <td>1</td> <td></td> </tr> <tr> <td>5</td> <td>TP Yelandur</td> <td>1</td> <td>0</td> <td>1</td> <td></td> </tr> <tr> <td colspan="2">Total</td> <td>5</td> <td>2</td> <td>3</td> <td></td> </tr> </tbody> </table>	SL.No	ULB's	Required	available	Gap Analysis	Remarks	1	CM Council Chamarajanagar	1	1	0		2	CM Council Kollegal	1	0	1	Tender under process	3	TMC Gundlupet	1	1	0		4	TP Hanur	1	0	1		5	TP Yelandur	1	0	1		Total		5	2	3		<p>[action plan for procurement if required]</p> <p>DPR shall be prepared for centralized tendering to purchase equipments necessary for solid waste management in the District. The same will be implemented as per the DPR and time bound.</p>	ULB's	31-3-2022
SL.No	ULB's	Required	available	Gap Analysis	Remarks																																										
1	CM Council Chamarajanagar	1	1	0																																											
2	CM Council Kollegal	1	0	1	Tender under process																																										
3	TMC Gundlupet	1	1	0																																											
4	TP Hanur	1	0	1																																											
5	TP Yelandur	1	0	1																																											
Total		5	2	3																																											
(iii)	Waste Transfer points	<p>[check whether available/adequacy]</p> <p>There are no Waste Transfer points established by ULB's in the District as they are directly transporting the collected solid waste from the towns to the Solid waste management facility.</p>	Not Applicable	Not Applicable	Not Applicable																																										

5	Waste Treatment and Disposal								
(i)	Wet-waste Management: On-site composting by bulk waste generators(Authority may decide on requirement as per Rules)	Whether number of bulk waste generators identified for installation					Action for getting on site composting plants commissioned. 1. Bulk waste generators in the district shall be identified . 2. ULB's shall ensure that all the bulk waste generators in their jurisdiction shall install onsite organic waste composter within their premises to manage their wet waste by converting to compost. 3. The Ulbs shall ensured that the compost generated shall be utilized within their premises for gardening purpose. 4. Notices shall be issued by ULBs to Bulk waste generators informing to adopt the onsite composting system and utilize the same for gardening purpose. Ensure that no wet waste is dumped outside the premises.	ULB's	31-3-2022
		SL. No	ULB's	No.of Bulk waste generators	Status of onsite composting done	Gap Analysis			
		1	CM Council Chamarajanagar	16	0	16			
		2	CM Council Kollegal	14	0	14			
		3	TMC Gundlupet	4	0	4			
		4	TP Hanur	4	0	4			
		5	TP Yelandur	1	0	1			
Total		39	0	39					
At present the ULBs are collecting the wet waste generated from bulk generators in the district.									

						5. The ULB's shall not collect the wet waste from bulk waste generators after the notice period.				
(ii)	Wet-waste Management: Facility(ies) for central Biomethanation / Composting of wets waste.	Whether facility exists/functional/ needs upgradation?					If not action plan for developing / upgradation of bio-methanation or composting facility. 1. The existing facilities shall be upgradation for the effective management of wet waste. 2. The successful models shall be explored and the suitable model shall be implemented in the District. 3. The necessary machines/equipments (screening machines, etc.,) shall be purchased and utilized for effective management of solid waste. 4. The Ulbs shall establish leachate treatment plants in solid waste management facilities and ensure the operation and maintenance of leachate treatment plant. .	ULB's	31-3-2022	
		SL. No	ULB's	Facility Existence	Functional	Needs upgradation				Gap
		1	CM Council Chamaraja nagar	2	2	2				Needs upgradation of composting facility
		2	CM Council Kollegal	1	1	1				Needs upgradation of composting facility
		3	TMC Gundlupet	2	2	2				Needs upgradation of composting facility
		4	TP Hanur	2	0	2				Composting is not yet carried out and needs upgradation of the facility.
		5	TP Yelandur	0	0	0				There is no MSW site and processing facility. The waste is processed in CMC Kollegal
Total		7	5	7						

(iii)	Dry-Waste Management: Material Recovery for dry-waste fraction	Whether MRF facility exists? / is there any arrangement to sending the dry-waste to any common MRF or					Action plan for use of dry segregated waste in MRF operation sent to Waste to energy plant or % dry-waste converted as RDF or Need to set-up own Waste to Energy plant?	ULB's	31-3-2022		
		SL.No	ULB's	Facility Existence	Functional	Needs upgradation				Gap	
		1	CM Council Chamarajanagar	2	1	2				At present ULB's is having 2 Nos. of Dry Waste collection centre and materials are segregated partially and remaining is dumped in landfill site.	<ol style="list-style-type: none"> 1. Authorized recyclers shall be identified for recycling/re-processing of segregated dry waste generated in the District. 2. MOU shall be executed with KSPCB authorized recyclers/ cement industries for co processing. 3. It shall be ensured that the segregated dry waste shall be channelized to respective recyclers/ utilisers or for cement plants for co processing. 4.
		2	CM Council Kollegal	2	2	2				At present ULB's is having 2 Nos. of Dry Waste collection centre and materials are segregated partially and remaining is dumped in landfill site.	
3	TMC Gundlupet	1	1	1	At present ULB's is having 1 Nos. of Dry Waste collection centre and						

						materials are segregated partially and remaining is dumped in landfill site			
	4	TP Hanur	2	2	2	At present ULB's is having 1 Nos. of Dry Waste collection centre and materials are segregated partially and remaining is dumped in landfill site			
	5	TP Yelandur	2	2	2	t present ULB's is having 1 Nos. of Dry Waste collection centre and materials are segregated partially and remaining is sent to CMC Kollegala Landfill site for further processing			
		Total	9	8	9				

(iv)	Disposal of inert and non-recyclable wastes: Sanitary Landfill	Does the agency still disposing waste in dumpsites? Whether sanitary landfill available? / Plan for constructing sanitary landfill or arrangement with ULBs.				<p>Action plan (i) to construct sanitary land fill If required</p> <p>(ii)Action plan to minimize landfilling</p> <ol style="list-style-type: none"> 1. ULB's shall ensure maximum recovery of recyclable materials from the solid waste in the Material Recovery facilities and channelize the same to respective recyclers or utilizers in order to reduce the land fillable material quantity. 2. The existing Sanitary landfill shall be made functional immediately for disposing the inert and non-recyclable wastes. 3. Since TP Yelandur is not having SLF site at present SW generated is managed in the existing SWM site of CMC Kollegal. 	ULB's	31-3-2023		
		SL. No	ULB's	No. of existing Dumpsite	Required Nos. of SLF				Available No. of SLF	Gap Analysis
		1	CM Council Chamaraja nagar	1 within the sanitary landfill site	1				1	Non-functional
		2	CM Council Kollegal	1 within the sanitary landfill site	1				1	Non-functional
		3	TMC Gundlupet	1	1				0	Need to establish SLF
		4	TP Hanur	1 within the sanitary landfill site	1				1	Non-functional
		5	TP Yelandur	1	1				0	No. SLF available in Yelandur
	Total	5	5	3						

(v)	Remediation of historic/ legacy dumpsite	Whether existing old dumpsite if any required remediation as per rules?				Action plan for remediation of legacy / historic dumpsite.	ULB's	31-3-2023	
		SL. No	ULB's	No. of existing old dump site	Total Quantity of legacy waste dumped at dump site in Tonnes				Gap Analysis
		1	CM Council Chamarajanagar	1	20332				DPR for legacy waste management prepared but not yet started
		2	CM Council Kollegal	1	20000				DPR for legacy waste management not prepared and not yet started
		3	TMC Gundlupet	1	14725				DPR for legacy waste management not prepared and not yet started
		4	TP Hanur	1	2000				--
		5	TP Yelandur	0	0				--
	Total	3	57,057						

(vi)	Involvement of NGOs	Whether involvement of NGOs envisaged.				NGOs can be involved for management of solid waste Campaign 1. Identification of NGO's shall be made in the District. The tie-up shall be made with NGO's to create more and more mass awareness among the publics in order to implement the SWM Rules, 2016 in the District.	ULB's	31-3-2022	
		SL.No	ULB's	Required	Available				Gap Analysis
		1	CM Council Chamarajanagar	1	1				
		2	CM Council Kollegal	1	0				Need NGO
		3	TMC Gundlupet	1	0				Need NGO
		4	TP Hanur	1	0				Need NGO
		5	TP Yelandur	1	0				Need NGO
	Total	5	1						
(vii)	EPR of Producers: Linkage with Producers /Brand Owners	As per rules, producers and brand-owners should facilitate in collection of packaging waste There are no producers and brand owners in RO, Chamarajanagar jurisdiction				Action plan for linkage of all producers/brand owners or their PROs for collection of plastic waste. Not Applicable.	Not Applicable.	Not Applicable.	
(viii)	Authorization of Waste Pickers	Yes/No No at present the District as not issued authorization for Waste pickers from ULB's.				List of authorized waste pickers should be available. 1. Identification of waste pickers in the district shall be made and register with the respective Ulbs. 2. Issuance of ID cards for registered waste pickers	ULB's	31-3-2022	

(ix)	Preparation of own by-laws to comply with SWM Rules 2016	Yes/No Yes. DMA has prepared State Level Bye law and the same is revised in 09-10-2019 and same is implemented in the district.	If not prepared action plan for preparation of by-laws which may be applicable in cantonment Board jurisdiction. Not Applicable	ULB's	Not Applicable
------	---	---	---	-------	----------------

(ii). Plastic Waste Management

(a) Current status related to Plastic Waste Management

	Urban Local bodies	Estimated quantity of Plastic Waste Generated per day	
1	Municipal corporations(Nagar Nigam or Mahanagar Palika)	Nil	
2	Municipalities(Nagar Palikas)	CMC Chamarajanagar	2.3 TPD
		CMC Kollegal	1.5 TPD
3	Nagar panchayats(Town area Councils)	TMC Gundlupet	1.4 TPD
		TP Hanur	0.67 TPD
		TP Yelandur	0.35 TPD
		Total	6.22 TPD

	Local Bodies	Plastic Waste Generated per day
1	Block/Taluk/ Mandal Tehsils	Not Applicable.
2	Village/Gram Panchayats	Details not available

Note: Inventorisation in Block/Taluk/ Mandal Tehsils/ Village/Grama Panchayats estimation of plastic waste generated per day needs to be carried out by the concerned Local panchayats.

b. Identification of gaps and action plan

S.No.	Action points For village panchayats/blocks/municipalities/corporations	Identification						Action plan	Agencies Responsible	Target time for Compliance																																										
		SL. No	ULB's	No. of wards	100 % door to door collection	Achieved	Gap Analysis																																													
1.	Door to Door collection of dry waste including	<table border="1"> <thead> <tr> <th>SL. No</th> <th>ULB's</th> <th>No. of wards</th> <th>100 % door to door collection</th> <th>Achieved</th> <th>Gap Analysis</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>CM Council Chamarajanagar</td> <td>31</td> <td>31</td> <td>100%</td> <td>Nil</td> </tr> <tr> <td>2</td> <td>CM Council Kollegal</td> <td>31</td> <td>31</td> <td>100%</td> <td>Nil</td> </tr> <tr> <td>3</td> <td>TMC Gundlupet</td> <td>23</td> <td>23</td> <td>100%</td> <td>Nil</td> </tr> <tr> <td>4</td> <td>TP Hanur</td> <td>13</td> <td>13</td> <td>100%</td> <td>Nil</td> </tr> <tr> <td>5</td> <td>TP Yelandur</td> <td>11</td> <td>11</td> <td>100%</td> <td>Nil</td> </tr> <tr> <td colspan="2">Total</td> <td>109</td> <td>109</td> <td></td> <td></td> </tr> </tbody> </table>						SL. No	ULB's	No. of wards	100 % door to door collection	Achieved	Gap Analysis	1	CM Council Chamarajanagar	31	31	100%	Nil	2	CM Council Kollegal	31	31	100%	Nil	3	TMC Gundlupet	23	23	100%	Nil	4	TP Hanur	13	13	100%	Nil	5	TP Yelandur	11	11	100%	Nil	Total		109	109			Not Applicable	LB's	Not Applicable as already achieved.
SL. No	ULB's	No. of wards	100 % door to door collection	Achieved	Gap Analysis																																															
1	CM Council Chamarajanagar	31	31	100%	Nil																																															
2	CM Council Kollegal	31	31	100%	Nil																																															
3	TMC Gundlupet	23	23	100%	Nil																																															
4	TP Hanur	13	13	100%	Nil																																															
5	TP Yelandur	11	11	100%	Nil																																															
Total		109	109																																																	
2.	Facilitate organization of collection of PW at Wastetransfer point for Material Recovery Facility	<table border="1"> <thead> <tr> <th>Present Status</th> <th>Gap Analysis</th> </tr> </thead> <tbody> <tr> <td>At present all ULB's are segregating the plastic waste at Decentralised Dry Waste Collection centres involving pourakarmikas and informal sectors and NGO's.</td> <td>Identification and establishment of plastic waste collection centers at each village panchayat/block/municipality/Nagarpanchayat.</td> </tr> </tbody> </table>						Present Status	Gap Analysis	At present all ULB's are segregating the plastic waste at Decentralised Dry Waste Collection centres involving pourakarmikas and informal sectors and NGO's.	Identification and establishment of plastic waste collection centers at each village panchayat/block/municipality/Nagarpanchayat.	1. Identification of prominent places where more public gatherings are observed. 2. Sufficient number of dustbins shall be provided at the identified prominent places.	ULB's	31-12-2021																																						
Present Status	Gap Analysis																																																			
At present all ULB's are segregating the plastic waste at Decentralised Dry Waste Collection centres involving pourakarmikas and informal sectors and NGO's.	Identification and establishment of plastic waste collection centers at each village panchayat/block/municipality/Nagarpanchayat.																																																			

				<p>3. Establishment of collection centres for collection of waste from identified prominent places.</p> <p>3. The waste from collected centre shall be handed over to authorized recyclers for further processing and recycling.</p> <p>4. Records shall be maintained in digital as well as in logbook on daily basis. The same needs to be submit to KSPCB regularly.</p>										
3.	PW collectionCentres	<table border="1"> <thead> <tr> <th>Present Status</th> <th>Gap Analysis</th> </tr> </thead> <tbody> <tr> <td>At present all ULB's are segregating the plastic waste at Decentralised Dry Waste Collection centres involving pourakarmikas and informal sectors and NGO's.</td> <td>Identification and establishment of plastic waste collection centers at each villagepanchayat/block/municipal ity/ Nagar panchayat</td> </tr> <tr> <td>Linkage with KSPCB authorised Plastic waste recyclers is not yet executed by ULB's.</td> <td>Linkage with PW recyclers must be executed by respective ULB's.</td> </tr> <tr> <td>There are no producers and brand</td> <td>Inventorisation of plastic waste</td> </tr> </tbody> </table>	Present Status	Gap Analysis	At present all ULB's are segregating the plastic waste at Decentralised Dry Waste Collection centres involving pourakarmikas and informal sectors and NGO's.	Identification and establishment of plastic waste collection centers at each villagepanchayat/block/municipal ity/ Nagar panchayat	Linkage with KSPCB authorised Plastic waste recyclers is not yet executed by ULB's.	Linkage with PW recyclers must be executed by respective ULB's.	There are no producers and brand	Inventorisation of plastic waste		<p>1. Establishment of adequate number of Plastic waste collection centre in the identified places in the District.</p> <p>2. ULB's shall execute MOU with Plastic recyclers in the adjacent</p>	ULB's + 31-12-2021	
Present Status	Gap Analysis													
At present all ULB's are segregating the plastic waste at Decentralised Dry Waste Collection centres involving pourakarmikas and informal sectors and NGO's.	Identification and establishment of plastic waste collection centers at each villagepanchayat/block/municipal ity/ Nagar panchayat													
Linkage with KSPCB authorised Plastic waste recyclers is not yet executed by ULB's.	Linkage with PW recyclers must be executed by respective ULB's.													
There are no producers and brand	Inventorisation of plastic waste													

		owners in the jurisdiction of RO ChamaraJanagar	estimation at Each village panchayat/block/municipality/ Nagar panchayat	<p>district to hand over the plastic waste collected in collection centres</p> <p>3. ULB's shall explore to utilise plastic waste in road construction consulting the PWD department or in Coordination with State Urban Department.</p> <p>4. ULB's and village panchayaths must quantity and collect the plastic waste generated in their jurisdiction.</p>		
4.	Awareness and education programs implementation	<p>Review existing gaps in creating awareness among public for minimizing and recycling PW.</p> <p>ULB's are carrying out the awareness programmes in their jurisdiction about plastic waste management and to not to use the plastic banned items in the District by street plays, announcements, in schools and among other departments.</p> <p>KSPCB is carrying our regular awareness programmes in schools and colleges, to ULBs and in Temples of the District to not to use Banned Plastic items specified in GOK dated 11-3-2016 in the state.</p>		<p>Education through mass media, schools, Producer / brand owner campaigns and other channels.</p> <p>1. ULB's shall organize series of mass awareness and education programmes in their jurisdiction through mass</p>	ULB's + concer ned Gram Pancha yath + KSPCB	31-3-2021

			<p>media like TV programmes, through radio, by local announcement means once in 6 months.</p> <p>2. ULB's shall maintain records of the awareness programmes and submit the same to KSPCB once in 6 months.</p> <p>3. ULB's shall explore to establish a plastic recycling units in their respective jurisdiction for recycling of plastic waste.</p> <p>4. KSPCB shall monitor the effective implementation of Plastic Waste Management Rules in the District and also to carry out awareness programmes in</p>		
--	--	--	--	--	--

			<p>the District.</p> <p>5. Ban on Carry bags and other single use plastics as notified by State Government.</p> <p>6. Ensuring no open burning and littering.</p> <p>7. Preventing plastic waste entering into water bodies – installation of bar mesh in Nallahs& Drains.</p> <p>8. Recycling facilities must be developed at district levels by ULB's.</p>		
5.	Access to Plastic Waste Disposal Facilities	<p>Check if District has access to PW recycling /utilization or disposal facilities.</p> <ul style="list-style-type: none"> • At present there are no Plastic waste recyclers/ utilisation or disposal facilities in the District. • The plastic waste collected is stored in the decentralized dry waste collection centres in each ULB's. • The ULB's as not made MOU with authorised Plastic waste recyclers to hand over the collected Plastic waste. 	<p>Check if PW recycling facilities available at reasonable distance; Channel for sending PW collected to cement plants for processing;</p>	ULB's	31-3-2021

			<p>Availability of waste plastic oil producing facilities; Linkage with PWD for usage of PW in road making. Action plan at District should involve Urban and Rural Local bodies.</p> <ol style="list-style-type: none"> 1. ULB's shall identify the availability of Plastic waste recyclers in the adjacent Districts. 2. The MOU shall be executed with plastic waste recyclers to handover the plastic wastes that gets generated in District. 3. ULB's shall explore to utilize the plastic wastes in road making in the District by linkage with 		
--	--	--	--	--	--

			<p>PWD.</p> <p>4. ULB's shall identify nearby cement industries for disposal of segregated plastic waste for coprocessing.</p> <p>5. ULB's shall submit the records of Plastic waste management carried out in the District to KSPCB for every 6 months.</p>		
--	--	--	--	--	--

(iii). C & D Waste Management Rules

(a) Current status related to C & D Waste

Details of Data Requirement	Present Status
-----------------------------	----------------

Total C & D waste generation in MT per day (As per data from Municipal Corporations/Municipalities):	As per the information furnished by the ULB's	
	ULB's	Quantity of C&D waste generated in TPD
	City Municipal Council Chamarajanagar	5.59
	City Municipal Council Kollegal	1.50
	Town Municipal Council Gundlupet	0.84
	Town Panchayath Hanur	0.5
	Town Panchayath Yelandur	0.3
Total	8.73	
Does the District has access to C&D waste recycling facility?	No.	

b. Identification of gaps and action plan:

SL. No.	Action points for blocks / town municipalities/ City corporations	Identification of Gaps			Action Plan	Responsible agency	Timeline for completion of action plan						
1.	Arrangement for separate collection of C&D waste to C&D waste deposition point.	<table border="1"> <thead> <tr> <th>Existing Practice</th> <th>Required</th> <th>Gap Analysis</th> </tr> </thead> <tbody> <tr> <td>ULB's are currently collecting the C& D waste and dumping into Low lying areas in the District</td> <td>Separate collection points of C & D</td> <td>Separate collection points of C & D must be established in each ULB's</td> </tr> </tbody> </table>	Existing Practice	Required	Gap Analysis	ULB's are currently collecting the C& D waste and dumping into Low lying areas in the District	Separate collection points of C & D	Separate collection points of C & D must be established in each ULB's			<ol style="list-style-type: none"> 1. Identification of bulk generators shall be carried out in the district. 2. Designated C & D waste collection points shall be established in each Taluk. 3. Designated deposition points for C & D waste shall be established in the District head quarters. 4. Approval of Waste Management 	ULB's + District administration	31-3-2022
Existing Practice	Required	Gap Analysis											
ULB's are currently collecting the C& D waste and dumping into Low lying areas in the District	Separate collection points of C & D	Separate collection points of C & D must be established in each ULB's											

		<p>ULB's earmarked the area within the existing Solid Waste Management site for storage and deposition of C & D waste.</p>	<p>A common C & D waste deposition points</p>	<p>A common C & D waste deposition points needs to be identified in each ULB's.</p>	<p>Plan submitted by Waste Generators before Construction starts records shall be maintained by ULBs.</p> <p>5. Proper collection, transportation, processing and disposal of C&D Waste shall be ensured in the district.</p> <p>6. Adequate Air pollution control measures shall be taken as per the CPCB guidelines.</p>							
2.	<p>Whether local authority have fixed user fee on C&D waste and introduced permission system for bulk waste generators who generate more than 20 tons or more in one day or 300 tons per project in a month?</p>	<table border="1"> <thead> <tr> <th>Existing Practice</th> <th>Gap Analysis</th> </tr> </thead> <tbody> <tr> <td>ULB's have no Local by-laws to pay user fee</td> <td>Local by-laws to pay user fee needs to be framed and implemented in the District</td> </tr> <tr> <td>ULB's have no permission system for bulk waste generators</td> <td>Permission system for bulk waste generators need to be framed and implemented in the District</td> </tr> </tbody> </table>	Existing Practice	Gap Analysis	ULB's have no Local by-laws to pay user fee	Local by-laws to pay user fee needs to be framed and implemented in the District	ULB's have no permission system for bulk waste generators	Permission system for bulk waste generators need to be framed and implemented in the District		<p>1. Fix rates to be paid by Waste Generators for Collection, Storage & Transportation of Waste shall be incorporated in the building approval plan.</p> <p>2. Public notices shall be issued that construction and demolition waste should only be disposed at pre-identified/notified sites and must be displayed in newspaper notification and same must be informed in the approval of plan to hand over the C & D waste.</p>	ULB's	31-3-2022
Existing Practice	Gap Analysis											
ULB's have no Local by-laws to pay user fee	Local by-laws to pay user fee needs to be framed and implemented in the District											
ULB's have no permission system for bulk waste generators	Permission system for bulk waste generators need to be framed and implemented in the District											

3.	C & D recycling Facility	There is no C & D Recycling facility in the District	<ol style="list-style-type: none"> 1. Land identification for setting up of common C &D waste recycling facility. 2. Installation of required infrastructure facility. 3. Adequate green belt development in the common C &D waste recycling plant 4. As per the guidelines of CPCB compliance needs to be done. 	ULB's +District administration + Town Planning Department	31-3-2022
4.	Usage of recycled C&D waste in non-structural concrete, paving blocks, lower layers of road pavements,colony and rural roads	There is no policy for usage or promotion on usage of C&D waste in non-structural concrete, paving blocks, lower layers of road pavements, colony and rural roads.	<ol style="list-style-type: none"> 1. District administration shall frame a Policy for management of C&D waste. 2. Provisions for using materials made by C&D Waste in Construction Activity like paving blocks, lower layers of road pavements, colony and rural roads etc by executing an agreement with PWD and industries engaged in manufacturing of cement blocks 	ULB's + District administration + PWD	31-3-2022
5.	ICE on C&D waste management	There is no sustained system of creating awareness created among local communities	<ol style="list-style-type: none"> 1. Training program's shall be organized through KSPCB to Ulbs once in 6 months. 2. Intensive mass awareness to publics by local means viz., making hand outs/ Newspaper notifications/ through media advertisement and announcements through loudspeakers. 	ULB's + KSPCB	31-3-2022

(iv). Bio – Medical Waste Management

(a). Current status related to Bio- Medical Waste

Inventory of BMW in the District	Quantity
Total no. of Bedded Healthcare Facilities	[Nos]: 93
Total no. of non-bedded HCF	[Nos]: 257
No. of HCFs authorized by SPCBs/PCCs	[Nos]: 223
No. of Common Bio medical Waste Treatment and Disposal Facilities(CBWTFs)	[Nos]: None
Capacity of CBWTFs	[inKg/day]: Not Applicable
No. of Deep burials for BMW if any	[Nos]: 162
Quantity of biomedical waste generated per day	[inKg/day]: 146.34
Quantity of biomedical waste treated per day	[inKg/day]: 146.34

b. Identification of gaps and action plans

SL. No.	Action points	Gaps	Action Plan	Responsible agency	Timeline for completion of action plan
1	Inventory and Identification of Health care Facilities	<p>Check whether all HCFs including, clinics, hospitals, Veterinary hospitals, Ayush hospitals, animal houses, etc generating biomedical waste area identified and authorized by SPCBs/PCCs:</p> <p>As per the Bio medical Waste Management Annual Report 2019-2020, the district is having following HCE's:</p> <ul style="list-style-type: none"> i. Bedded hospitals and nursing homes (bedded) : 93 ii. Clinics, dispensaries : 158 iii. Veterinary institutions : 80 iv. Animal houses : Nil 	<p>1. Maintenance of List of Registered HCFs in the district</p>	<p>Health Department + KSPCB</p>	<p>31-3-2022</p>

		<ul style="list-style-type: none"> v. Pathological laboratories : 25 vi. Blood banks : Nil vii. Clinical establishment : Nil viii. Research institutions : Nil ix. AYUSH : 15 <ul style="list-style-type: none"> • Nearly 350 Nos. of Health care establishments are identified in the District. Out off which 223 Nos. of HCE as authorized HCE and 127 HCE as not applied for renewal of the same for which notices is issued. • There is no gap as all HCE is identified in the District and in future the HCE that gets established in the District also gets authorized from KSPCB. 											
2.	Adequacy of facilities to treat biomedical waste	<p>Check if there is any gap between Quantity of Biomedical Waste generated per day and quantity of Biomedical waste treated and disposed in the District? In case of no access to CBWTFs, adequacy of existing disposal of BMW.</p> <table border="1"> <thead> <tr> <th>Existing No of HCE in the District as per Annual report 2019</th> <th>Total BMW waste generated in kg/day in the District as per Annual report 2019</th> <th>Total BMW waste disposed in the District as per Annual report 2019</th> <th>Remarks</th> </tr> </thead> <tbody> <tr> <td>350</td> <td>146 TPD</td> <td>146 kg/day</td> <td>The Total waste disposed to CBMWTF is 67.657Kg/d and deep buried in rural remote areas is 78.68kg/day.</td> </tr> </tbody> </table>	Existing No of HCE in the District as per Annual report 2019	Total BMW waste generated in kg/day in the District as per Annual report 2019	Total BMW waste disposed in the District as per Annual report 2019	Remarks	350	146 TPD	146 kg/day	The Total waste disposed to CBMWTF is 67.657Kg/d and deep buried in rural remote areas is 78.68kg/day.	<p>Action plan for setting-up CBWTF or providing access to CBWTF with 75 Km from places waste generation. Including identification of site for setting up such facility. Action plan for management of BMW through captive facilities in case of no access to CBWTF:</p> <p>1. HCE's shall be mandated to execute MOU with</p>	District Health Officer	Not Applicable
Existing No of HCE in the District as per Annual report 2019	Total BMW waste generated in kg/day in the District as per Annual report 2019	Total BMW waste disposed in the District as per Annual report 2019	Remarks										
350	146 TPD	146 kg/day	The Total waste disposed to CBMWTF is 67.657Kg/d and deep buried in rural remote areas is 78.68kg/day.										

			<p>Thus the generated waste is disposed in the present existing system and is adequate.</p>	<p>CBMWTF</p> <ol style="list-style-type: none"> In Remote areas of the district deep burial is practiced. Districts having adequate facility to handle waste. 		
		<p>*Covid 19 waste generated in the District is handed over to CBMWTF and same is uploaded in app and treated as per CPCB guidelines.</p>				
<p>3.</p>	<p>Tracking of BMW</p>	<p>Check whether bar code system is implemented by all HCFs and CBWTFs.</p> <ul style="list-style-type: none"> BMW generated in the District is disposed to the two CBMWTF which is located in the Mysuru District within 75 kms distance and BMW generated in remote area is deep buried. At present 14 Nos. of HCE's as bar coding done by M/s. GIP's Biotech and remaining HCE's covered by M/s. Shree Consultant is under the Process of implementation of bar coding system in the District. 	<p>Plan for implementation of bar code system by all HCFs and CBWTFs in the District.</p> <ol style="list-style-type: none"> Implementation of 100% bar coding system shall be ensured. KSPCB shall effectively monitor the implementation of bar coding within timeline. 	<p>District Health Officer + CBMWTF + HCE's + KSPCB</p>	<p>31-12-2021</p>	

4.	Awareness and education of health care staff	<p>More awareness programmes and training to HCE staff and ULB's staff taken by KSPCB once in 3 months.</p> <p>Awareness programmes is being conducted regularly to HCE's & already in 2020-21 total 6 programmes has been conducted.</p>	<p>Action plan for awareness program sand training to healthcare staff and ULB officials. Action plan for ensuring adequate.</p> <p>1. More awareness programmes and training to HCE staff and ulbs staff shall be taken by Health department and CBMWTF and KSPCB once in 6 months .</p>	District Health Officer + CBMWTF + KSPCB + HCF +ULB	31-12-2021
5.	Adequacy of funds	Funds is allocated to Government healthcare facilities for bio-medical waste management by State Govt.?	Yes Funds to Government health care facilities for bio-medical waste management by State Govt is sufficient.	District Health Officer	Not Applicable.
6.	Compliance to Rules by HCFs and CBWTFs	<p>Most of the HCF are complying as per the BMW rules 2016.</p> <p>District level Monitoring Committee as been constitute to monitor the compliance by Hospitals/HCFs.</p>	<p>Draw action plan to monitor compliance Of HCFs and CBWTFs through SPCBs/PCCs.</p> <p>Although the HCF is complying with</p>	District Health Officer + District level monitoring committee	31-12-2021

			BMW Rules 2016, DHO and KSPCB shall ensure 100% compliance as per rules by regular inspections .			
7.	District Monitoring Committee	Level	Yes, District Level Monitoring Committee has been constitute under the chairmanship of District Commissioner and regular meetings are being organized.	Not Applicable	Not Applicable	Not Applicable
8.	Waste water Treatment		<p>Check if HCFS are required to install ETPs for waste water generated.</p> <ul style="list-style-type: none"> • LETP's are installed in all HCF's which are having more than 30 beds. • The HCE having 30 beds and above are covered under Water(Prevention and Control of Pollution)Act 1974 and condition is stipulated in consent order to treat the Liquid infectious effluent in ETP as a terminal treatment unit. • In HCE with less than 30 beds, source disinfectant Sodium Hypochlorite is used before discharge into UGD and ST &SP. 	<p>1 It shall be ensured that no untreated wastewater is discharged into the drains/water bodies by round the clock vigilance of District Health Officer.</p> <p>2. DHO shall ensure that all HCE shall treat the Liquid infectious wastewater as per BMW Management Rules 2016.</p>	District Health Officer + HCEs+ KSPCB	Not Applicable

V. Hazardous Waste Management

(a). Current status related to Hazardous Waste Management

Details of Data Requirement	Present Status
No of Industries generating HW	[Nos.]: 07 Nos. as on 31-3-2021
Quantity of HW in the District	[MT/Annum]: 37.18 MT/Annum

(i) .Quantity of Incinerable HW	[MT/Annum]: 3.4 MT/Annum
(ii).Quantity of land-fillable HW	[MT/Annum]: 0 MT/Annum
(iii.)Quantity of Recyclable/ utilizable HW	[MT/Annum]: 33.78 MT/Annum
No of captive/common TSDF	[Nos of integrated TSDF]: Nil. [Nos of SLF]: Nil. [No of Standalone incinerators]: Nil.
Contaminated Sites or probable Contaminated sites	[Nos]: Nil.

b. Identification of gaps and action plans:

S. No.	Action points	Identification of Gaps	Action Plan	Responsible agency	Time line for completion of action plan
1.	Regulation of industries and facilities generating Hazardous Waste	Current Status: In the District there are 7 HW generating industries and all are authorized by KSPCB.	RO KSPCB is monitoring the HW industries and ensuring safe disposal of HW as per Rules in the District.	SPCB	Not Applicable
2.	Establishment of collection centres	<ul style="list-style-type: none"> As on date there are no specific Hazardous waste collection centers in the District. Presently, the Hazardous waste collected from households is segregated in Dry waste collection centers established by Ulb's 	As per the Rules and Annual inventory of HW guidelines of CPCB, the shall establish the collection centres in their respective jurisdiction	ULB's	31-12-2022

3.	Training of workers involved in handling/recycling/disposal of HW	There are no such industries engaged in the recycling/pre-processing/disposal of Hazardous waste in the District.	Not Applicable	Not Applicable	Not Applicable
4.	Availability/Linkage with common TSDF or disposal facility	<ul style="list-style-type: none"> • There is no landfillable HW generators in the District. • Whereas the recyclable and incinerable hazardous wastes generated by the generators is currently disposing the same by executing an MOU with authorized incinerators and recyclers in the state. 	Already all HW are tied up with authorized incinerators and recyclers and KSPCB is monitoring regularly.	KSPCB	Not Applicable
5.	Contaminated Sites	There are no any such sites where soils/sediments/ground water contaminated due to dumping of industrial wastes in the district	Not Applicable	Not Applicable	Not Applicable

(vi). E- Waste Management

(a) Current status related to E-Waste Management

Details of Data Requirement	PresentStatus
Inventory of E-Waste in MT/year	MT/Year : Nil
Collection centers established by ULBs in the District	[Nos]: Nil.
Collection centers established by Producers or their PROs	[Nos]: Nil.

No authorized E-Waste recyclers / Dismantler

[Nos]: Nil. There are no authorized E-waste recyclers or Dismantlers in the jurisdiction of RO- Chamarajanagar.

b. Identification of gaps and action plans

SL. No.	Action points	Gaps in implementation		Action Plan	Responsible agency	Timeline for completion of action plan
1	Inventory / Generation of E-Waste / Bulk-waste generators	Check whether SPCB/PCC has completed inventory of E-Waste in the District. Inventory of bulk waste generators		Completion of inventory Inventorisation of E-waste/bulk waste generators shall be carried out by ULB's and KSPCB	ULB + KSPCB	31-3-2022
		Current Status	Gap Analysis			
		<ul style="list-style-type: none"> As per ULBs the E waste generate in the District as per ULB's is Nil. 	keeping in future expansion of the District the inventorisation of e-waste generators can be carried out as an continuous process			

2	E-Waste collection points	<p>Availability of E-Waste collection points / call centres / kiosks in villages -Blocks//towns/ cities</p> <table border="1" data-bbox="544 228 1400 667"> <thead> <tr> <th data-bbox="544 228 1227 304">Current Status</th> <th data-bbox="1227 228 1400 304">Gap Analysis</th> </tr> </thead> <tbody> <tr> <td data-bbox="544 304 1227 667"> <p>There are no E-waste collection centres in the district either established by ULBs or Producers, as there are no producers in the district.</p> <p>Presently, the E- waste collected from households is segregated in Dry waste collection centers. Since there is no Producer in the Jurisdiction of RO-Chamarajanagar to establish collection centre as per the Extended Producers Responsibility.</p> </td> <td data-bbox="1227 304 1400 667"> <p>ULBs needs to establish the E-waste collection centres in their jurisdiction.</p> </td> </tr> </tbody> </table>	Current Status	Gap Analysis	<p>There are no E-waste collection centres in the district either established by ULBs or Producers, as there are no producers in the district.</p> <p>Presently, the E- waste collected from households is segregated in Dry waste collection centers. Since there is no Producer in the Jurisdiction of RO-Chamarajanagar to establish collection centre as per the Extended Producers Responsibility.</p>	<p>ULBs needs to establish the E-waste collection centres in their jurisdiction.</p>	<p>Identification /registering E-Waste collection centres in association with Producers - their PROs or Recyclers</p> <p>1. Establishment of e-waste collection centres in the District shall be ensured.</p> <p>2. ULB's shall give paper notification or announcements regarding the establishment of collection centres in the district to create awareness among public.</p>	ULB's	31-12-2021
Current Status	Gap Analysis								
<p>There are no E-waste collection centres in the district either established by ULBs or Producers, as there are no producers in the district.</p> <p>Presently, the E- waste collected from households is segregated in Dry waste collection centers. Since there is no Producer in the Jurisdiction of RO-Chamarajanagar to establish collection centre as per the Extended Producers Responsibility.</p>	<p>ULBs needs to establish the E-waste collection centres in their jurisdiction.</p>								
3	Linkage among Stakeholders to channelize E-Waste	<p>Check whether District administration has information on collection centres established by Producers/ PROs? Administration should also identify authorised E-Waste recyclers in the district or in State to channelize E-waste collected in District.</p> <table border="1" data-bbox="533 986 1384 1383"> <thead> <tr> <th data-bbox="533 986 1171 1062">Current Status</th> <th data-bbox="1171 986 1384 1062">Gap Analysis</th> </tr> </thead> <tbody> <tr> <td data-bbox="533 1062 1171 1383"> <p>ULB's have not made any Linkage with e-waste dismantlers or Recyclers for channelization of e-waste collected in the district.</p> <p>At present the District administration has no information on collection centres established by Producers/PRO's as there is no producers in the District.</p> </td> <td data-bbox="1171 1062 1384 1383"> <p>No linkage with e-waste dismantlers or Recyclers is carried out by ULB's</p> </td> </tr> </tbody> </table>	Current Status	Gap Analysis	<p>ULB's have not made any Linkage with e-waste dismantlers or Recyclers for channelization of e-waste collected in the district.</p> <p>At present the District administration has no information on collection centres established by Producers/PRO's as there is no producers in the District.</p>	<p>No linkage with e-waste dismantlers or Recyclers is carried out by ULB's</p>	<p>Action plan to establish linkages between ULBs /Collection Centres of Producers and PROs /SPCBs /Bulk waste generators /Recyclers / SPCBs / District Administration/Public</p> <p>1. Identification of authorized E-wasterecyclers/Dismantlers in the state to channelize the E-waste collected in the District by executing MOU with recyclers/dismantlers.</p>	ULB's	31-12-2021
Current Status	Gap Analysis								
<p>ULB's have not made any Linkage with e-waste dismantlers or Recyclers for channelization of e-waste collected in the district.</p> <p>At present the District administration has no information on collection centres established by Producers/PRO's as there is no producers in the District.</p>	<p>No linkage with e-waste dismantlers or Recyclers is carried out by ULB's</p>								

4	Regulation of Illegal E-Waste recycling /dismantling	<p>Prevalence of informal trading, dismantling, and recycling of E-waste is in District</p> <p>There are no records w.r.t Illegal E-Waste recycling /dismantling activity carried out in the District.</p>	<p>Action plan in coordination with SPCBs/PCCs and District Administration to check this activity.</p> <p>1. ULB's is required to hand over the e-waste collected in their jurisdiction to the KSPCB authorized e-waste recycler or dismantlers by executing an MOU with the recycler/ dismantlers in the nearby District.</p> <p>2. Inventorisation of trading activity/ recycling/dismantling in the district shall be carried out by ULB's</p>	ULB's	31-12-2021
5	Integration of informal sector	<p>Whether mechanism exists for bringing informal sector into main stream in collection and recycling of E-Waste</p> <ul style="list-style-type: none"> • There are no any such mechanism existing for bringing informal sector into main stream in collection and recycling of E-Waste. • There are no Producers/PRO's in the RO-Chamarajanagar jurisdiction. 	<p>Evolve mechanism by involving producers /PROs.</p> <p>1. Inventorisation of informal sectors engaged in collection and recycling activity of e-waste in the district.</p>	ULB's + KSPCB	31-12-2021

6	Awareness and Education	<p>Are there any programs at district level for awareness about E-waste management?</p> <p>Awareness cum meeting activities is carried out by KSPCB to ULB's w.r.t effective implementation of E-waste management Rules in the District.</p> <p>As on date there are no Producers/PRO's in the RO- Chamarajanagar jurisdiction to organize the awareness campaigns in the district.</p>	<p>Plan special workshops and awareness campaigns through Producers/PROs</p> <p>Serious of workshops and awareness programmes shall be organized through KSPCB /ULBs</p>	KSPCB	31-12-2021
---	-------------------------	---	--	-------	------------

Air Quality Management

(a). Current status relate to Air Quality Management

Details of Data Requirement	Present Status
<p>Number of Automatic Air Quality monitoring stations in the District.</p> <ul style="list-style-type: none"> - Operated by SPCB / State Govt / Central govt./PSU agency: - Operated by Industry: 	<ul style="list-style-type: none"> - At present Chamarajanagar District is having 01 No. of Continuous Ambient Air Quality Monitoring Station (CAAQM) installed at CA site no. 1, KHB Colony, near Ambedkar Stadium, Chamarajanagar and same is in operated by the KSPCB at District headquarters. - There are no other CAAQMS installed in Chamarajanagar District by either other agencies or by any industries.
<p>Number of manual monitoring States operated by SPCBs</p>	<p>There is an existing 01 No. Manual Air Quality monitoring station located at the terrace of existing Office Building, RO, Chamarajanagar. Weekly twice 24 hours. Parameters analysed are NO_x, SO₂, PM 2.5, PM 10 & NH₃.</p>
<p>Name of towns/cities which are failing to comply with national ambient air quality stations</p>	<p>[Names]: Nil.</p> <p>All towns and cities are complying with the AAQ standards.</p>
<p>No of air pollution industries</p>	<p>[Nos]: 58 Nos.</p>

Prominent air polluting sources [Large Industry] / [Small Industry] / [Unpaved Roads] / [Burning of Waste Stubble] / [Brick Kiln]/ [Industrial Estate]/[Others](Multiple selection)	[Hotspots of air pollution]: The prominent air polluting sources in the Chamarajanagar District is mainly due to the contribution of quarrying with blasting operations, stone crusher and m-sand manufacturing units, granite cutting and polishing activity, unpaved roads.
--	---

b. Identification of gaps and action plan:

S. No.	Action points	Indicative Action Plan	Responsible agency	Time line for completion of action plan
1.	Identification of prominent air polluting sources?	<p>Carry out inventory of airpollutionsourcesinDistrictincludinghotspotsorareasofconcernpertainingtoairpollutioninassociation with SPCBs/PCCsmay</p> <p>Current Status:</p> <ul style="list-style-type: none"> • The prominent air polluting sources in the Chamarajanagar District is mainly due to the contribution of quarrying with blasting operations, stone crusher and m-sand manufacturing units, granite cutting and polishing activity, unpaved roads. • District task force is already constituted to monitor and review the compliance made. • Once in 6 months District task force committee will monitor the AAQ in and around the mining areas to access the compliance to AAQ standards. • Unpaved roads must be converted to paved roads in the District by PWD. 	District task force, Department of Mines and Geology, KSPCB and PWD department	31-3-2022
2.	Ambient Air quality data?	<p>Plan to get access to available air quality monitoring stations in the District operated by both Public and private agencies.</p> <ul style="list-style-type: none"> • KSPCB is having both manual and CAAQM stations in the District which 	KSPCB	Not Applicable

		<p>is installed and operated by Board.</p> <ul style="list-style-type: none"> This is the only AAQM Stations data generated in the District which is well within satisfactory limit. The online AAQM station data is easily accessible in the KSPCB website and also in Sameer app developed by CPCB. 		
3.	Setting up of Continuous Ambient Air Quality Monitoring Station	<p>District authority in association with local office of SPCB/PCC should also ensure that at least one manual Air Quality monitoring station is available in each city. [District admin may set-up its own network of CAAQMS or manual stations].</p> <ul style="list-style-type: none"> KSPCB has installed one CAAQM Station in the district Head quarters at Chamarajanagar. The Data is easily accessible in the KSPCB website and also in Sameer app developed by CPCB. 	KSPCB	Already installed and is in operation. Hence Not applicable.
4.	District Level Action Plan for Air Pollution	<p>[Measures may include multi sectoral approach for air pollution control such as promotion of public transport, use of green fuels, E- mobility, LPG based cooking, carpeting open areas/kerbs, etc., Action plans envisaged in NCAP project initiated by MoEF& CC may be referred]:</p> <ul style="list-style-type: none"> KSPCB is having both manual and CAAQM stations in the District. This is the only AAQM data generated in the District which is well with satisfactory limit. However action plan will be prepared for controlling air pollution from prominent air pollution sources in the District. Adequate plantation along the road sides, industrial area, green belt development in mining areas surrounding. Unpaved roads must be converted to paved roads in the District by PWD. Phasing out of 15 years old vehicles in the District by RTO. 	District administration, Department of Urban Development + Social forestry+ Regional Transport Officer+ PWD.	31-3-2022

5.	Hot spots of air pollution in District	<p>Hotspot with respect to air pollution (such as stubble burning, illegal waste burning, authorize operations, cluster activities, forest fires etc.) should be identified and localized action plan for mitigation of the same should be prepared.</p> <p>1. Forest fire mitigation action plan prepared by Forest department. 2. The Dust emissions from blasting operating in quarrying activity and stone crushing and m-sand unit dust suppression measures shall be implemented. 3. Adequate green belt development area shall be developed by the (i) stone crushing and m-sand unit (ii) in SWM facilities. 4. Prohibition of open burning of waste burning and stubble burning in the district.</p>	Forest Department + ULB's + Agriculture department + Mines and Geology Department + KSPCB.	Not Applicable
6.	Awareness on Air Quality	<p>Plan for dissemination of information on local air quality in towns and cities located in District. May consider developing Mobile App / Online portal for dissemination of air quality as well as to take complaints on local air pollution.</p> <ul style="list-style-type: none"> • AAQ measured through CAAQM stations and same is displayed to the public. • AAQM Station data is available to public in KSPCB website and same is displayed in SAMEER App of CPCB as same is accessible through mobile. 	KSPCB	31-3-2022

Water Quality Management

Water Quality Monitoring

(a). Current status related to Water Quality Management

Details of Data Requirement	Present Status
Rivers	River Cauvery flows in Kollegal Taluk of Chamarajanagar District with its tributaries Palar and Suvarnavathi river with approximately 88 km stretch.
Length of Coastline(if any)	Not Applicable as the District as no coastal areas

Nalas/Drains/Creeks meeting Rivers	9 Nos of drains joining Cauvery river between from Mullur to Sattegala bridge.	
Lakes/Ponds	[Nos]and[AreainHectares]:1074 nos . (survey is under progress)	
Total Quantity of sewage from towns and cities in District	[MLD]:18.87 MLD	
	ULB's	Total Quantity of Sewage generated in MLD
	CMC Chamarajanagar	7.54
	CMC Kollegal	6.17
	TMC Gundlupet	3.03
	TP Hanur	1.19
	TP Yelanduru	0.94
	Total	18.87
Quantity of industrial waste water	[MLD]: 1.88 MLD as per the F-Reg as on 31-3-2021 is generated from the operation of 23 Nos. of industries and the same is treated in the existing ETP's operated within the premises of the unit and the treated effluent is disposal as per the terms and conditions of the Consent order either completely recycled or utilized for on land for irrigation within the premises.	
Percentage of untreated sewage	[%]:not quantified There are 05 Local bodies in the District. Out off which CMC Chamarajanagar, CMC Kollegal as provide STP of 9 MLD and TMC Gundlupet as provide 2 Nos of STP of capacity 2.1 MLD and 1.5 MLD and in these taluks individual houses are provided with septic tank and soak pit as the 100% underground Drainage system is not completed and same in progress. Whereas in other two local bodies i.e TP Hanur and Yelandur as no STP and individual households are connected to septic tank and soak pit. Hence untreated sewage is not quantified	
Details of bore wells and number of permissions given for extraction of groundwater	As per the information furnished by groundwater authority, for the year 2017-2021 – the permission given for drilling new bore wells in the District – 239 Nos. and NOC issued for extracting groundwater is 5 Nos.	
Ground water polluted areas if any	Nil	
Polluted river stretches if any	Yes, As per the NGT Order O.A. No. 673/2018, Ranganattitu to Sattegala bridge is classified as Priority –IV. The river Cauvery flows through Mullur to Sattegala bridge measuring about 18 km aerial distance from Mullur to Sattegala bridge in Kollegal.	

b. Identification of gaps and action plan for water quality monitoring:

SL.No	Action Points	Gaps and Action Plan	Responsible agency	Timeline for completion of action plan									
1	Inventory of water bodies	<p>An environmental monitoring cell shall maintain data of all water bodies (rivers / canals /natural drains / creeks /estuaries / groundwater /ponds / lakes / etc.) in district including its water quality</p> <table border="1" data-bbox="488 571 1473 1396"> <thead> <tr> <th data-bbox="488 571 757 608">Present Status</th> <th data-bbox="757 571 1077 608">Gaps</th> <th data-bbox="1077 571 1473 608">Action plan</th> </tr> </thead> <tbody> <tr> <td data-bbox="488 608 757 1182">At present there is no Environmental Monitoring cell existing in the District to maintain data of all water bodies (rivers / canals /natural drains / creeks /estuaries / groundwater /ponds / lakes / etc.) in District including its water quality.</td> <td data-bbox="757 608 1077 1182">No Environmental Monitoring Cell</td> <td data-bbox="1077 608 1473 1182">Environmental Monitoring cell shall be constituted involving all the stake holders by District administration. Inventorisation of the drains, canals, rivers, creeks, groundwater/pond/lakes need to be carried out by the concerned stake holders both at Rural and Urban area.</td> </tr> <tr> <td data-bbox="488 1182 757 1396">KSPCB is monitoring the Cauvery river water at 6 sampling points from Mullur to Barachukki every month under</td> <td data-bbox="757 1182 1077 1396">Increase the Number of sampling points along river stretch</td> <td data-bbox="1077 1182 1473 1396">KSPCB shall increase in the number of sampling points along river stretch by identification of wastewater joining river.</td> </tr> </tbody> </table>	Present Status	Gaps	Action plan	At present there is no Environmental Monitoring cell existing in the District to maintain data of all water bodies (rivers / canals /natural drains / creeks /estuaries / groundwater /ponds / lakes / etc.) in District including its water quality.	No Environmental Monitoring Cell	Environmental Monitoring cell shall be constituted involving all the stake holders by District administration. Inventorisation of the drains, canals, rivers, creeks, groundwater/pond/lakes need to be carried out by the concerned stake holders both at Rural and Urban area.	KSPCB is monitoring the Cauvery river water at 6 sampling points from Mullur to Barachukki every month under	Increase the Number of sampling points along river stretch	KSPCB shall increase in the number of sampling points along river stretch by identification of wastewater joining river.	Minor irrigation Department + Groundwater authority + Cauvery Niravari Nigamal imited + Zilla Panchayat + KSPCB	31-3-2022
Present Status	Gaps	Action plan											
At present there is no Environmental Monitoring cell existing in the District to maintain data of all water bodies (rivers / canals /natural drains / creeks /estuaries / groundwater /ponds / lakes / etc.) in District including its water quality.	No Environmental Monitoring Cell	Environmental Monitoring cell shall be constituted involving all the stake holders by District administration. Inventorisation of the drains, canals, rivers, creeks, groundwater/pond/lakes need to be carried out by the concerned stake holders both at Rural and Urban area.											
KSPCB is monitoring the Cauvery river water at 6 sampling points from Mullur to Barachukki every month under	Increase the Number of sampling points along river stretch	KSPCB shall increase in the number of sampling points along river stretch by identification of wastewater joining river.											

		Nation Water Quality Monitoring Programmes.				
		Groundwater department is monitoring the Groundwater quality from its observation wells in the District.	Monitoring frequency yearly twice.	Groundwater authorities shall fix the frequency of monitoring of borewells as per the CPCB guidelines and furnish the reports to District administration.		
		There is no details available in the District w.r.t Lake water quality	Lakes monitoring is not carried out. Monitoring frequency is not fixed.	The owners (ULB's/Grama/Taluk panchayath) of the lakes shall carry out the monitoring of lake water quality as per the frequency mentioned in CPCB guidelines and furnish the report to District administration once in 3 months.		
		ULBs is not identified the wastewater joining points into water bodies and drain sampling is not carried out.	Wastewater carrying drain identification.	ULB's shall ensure that the drains carrying wastewater shall not join the water bodies and measures need to be implemented, within 31-3-2022.		
2	Quality of water bodies in the District	<p>Check availability of data on water bodies. Create a district level monitoring cell for periodic monitoring of water bodies for specific parameters in association with SPCBs. It is also necessary to disseminate information pertaining to water quality in the form of hoardings on river banks, official websites, etc.</p> <p>At present the District as no District level monitoring cell for periodic monitoring of water bodies for specific parameters in association with SPCBs.</p>			<p>Minor irrigation Department + Groundwater authority + Cauvery Niravari Nigama Limited + Zilla Panchyat + KSPCB + District administration</p>	31-3-2022

		<table border="1"> <thead> <tr> <th data-bbox="488 188 907 225">Present status</th> <th data-bbox="907 188 1249 225">Gaps</th> <th data-bbox="1249 188 1512 225">Action Plans</th> </tr> </thead> <tbody> <tr> <td data-bbox="488 225 907 981"> <p>Karnataka State Pollution Control Board as installed the Continuous Real time water quality monitoring stations at Sattegala bridge across River Cauvery. The water quality parameters are continuously recorded and available in KSPCB website www.KSPCB.karnataka.gov.in and monthly monitoring of river water quality is carried out by KSPCB and the details are communicated to CPCB.</p> <p>KSPCB is monitoring the Cauvery river water at 6 sampling points from Mullur to Barachukki every month under Nation Water Quality Monitoring Programmes.</p> </td> <td data-bbox="907 225 1249 981"> <p>Increase the Number of sampling points along river stretch</p> </td> <td data-bbox="1249 225 1512 981"> <p>KSPCB is monitoring adequate number of sampling points along river stretch by reveal the water quality of the river.</p> </td> </tr> <tr> <td data-bbox="488 981 907 1375"> <p>There is no details available in the District w.r.t Lake water quality</p> </td> <td data-bbox="907 981 1249 1375"> <p>Lakes monitoring is not carried out. Monitoring frequency is not fixed.</p> </td> <td data-bbox="1249 981 1512 1375"> <p>The owners of the lakes shall carry out the monitoring of lake water quality as per the frequency mentioned in CPCB guidelines and furnish the report to District</p> </td> </tr> </tbody> </table>	Present status	Gaps	Action Plans	<p>Karnataka State Pollution Control Board as installed the Continuous Real time water quality monitoring stations at Sattegala bridge across River Cauvery. The water quality parameters are continuously recorded and available in KSPCB website www.KSPCB.karnataka.gov.in and monthly monitoring of river water quality is carried out by KSPCB and the details are communicated to CPCB.</p> <p>KSPCB is monitoring the Cauvery river water at 6 sampling points from Mullur to Barachukki every month under Nation Water Quality Monitoring Programmes.</p>	<p>Increase the Number of sampling points along river stretch</p>	<p>KSPCB is monitoring adequate number of sampling points along river stretch by reveal the water quality of the river.</p>	<p>There is no details available in the District w.r.t Lake water quality</p>	<p>Lakes monitoring is not carried out. Monitoring frequency is not fixed.</p>	<p>The owners of the lakes shall carry out the monitoring of lake water quality as per the frequency mentioned in CPCB guidelines and furnish the report to District</p>			
Present status	Gaps	Action Plans												
<p>Karnataka State Pollution Control Board as installed the Continuous Real time water quality monitoring stations at Sattegala bridge across River Cauvery. The water quality parameters are continuously recorded and available in KSPCB website www.KSPCB.karnataka.gov.in and monthly monitoring of river water quality is carried out by KSPCB and the details are communicated to CPCB.</p> <p>KSPCB is monitoring the Cauvery river water at 6 sampling points from Mullur to Barachukki every month under Nation Water Quality Monitoring Programmes.</p>	<p>Increase the Number of sampling points along river stretch</p>	<p>KSPCB is monitoring adequate number of sampling points along river stretch by reveal the water quality of the river.</p>												
<p>There is no details available in the District w.r.t Lake water quality</p>	<p>Lakes monitoring is not carried out. Monitoring frequency is not fixed.</p>	<p>The owners of the lakes shall carry out the monitoring of lake water quality as per the frequency mentioned in CPCB guidelines and furnish the report to District</p>												

				administration once in 3 months.		
		ULBs is not identified the wastewater joining points into water bodies and drain sampling is not carried out.	Drain wastewater sampling.	ULB's shall ensure Drain wastewater sampling for implementation of suitable treatment units at drain end points. Installation of Bar-meshes in the drains & regular cleaning & disposal of Solid Waste from them		
		Groundwater department is monitoring the Groundwater quality from its observation wells in the District.	Monitoring frequency Once in two years.	Groundwater authorities shall fix the frequency of monitoring of bore wells as per the CPCB guidelines and furnish the reports to District administration		
3	Hot spots of water contamination	<p>Check trends of water quality and identify hot spot of surface water and ground water. Establish a system or separate cell to monitor water quality. Implement action points for restoration of water quality in association with SPCBs and department to environment.</p> <p>KSPCB is monitoring the water quality of River stretch from Mullur to Sattegala bridge identified as polluted river stretch and action plan is prepared and implementation of same is in progress.</p>			Rural Water supply and sanitation Board + Groundwater authority+ Cauvery Niravari Nigama Limited +KSPCB	31-3-2022

		As per the information provided by Ground water authority there are no Hot spots of ground water contamination in the District. As per the prevailing norms the ground water quality is carried out by concerned stake holders.											
4	Protection of river/lake water front	<p>Action plan should be prepared for control river side open defecation, dumping of Solid waste on river banks, for idol immersion etc.</p> <ul style="list-style-type: none"> The District has already implemented ODF free scheme. There is no dumping of solid waste along the river banks. Temporary/artificial ponds/mobile immersion tanks arrangement are being made during Ganesha festival in the District. 	Minor irrigation department. LB's + Cauvery Niravari Nigama Limited + Zilla Panchayath	31-3-2022									
5.	Inventory of sources of water pollution	<p>Check whether inventory of all sewage and waste water discharge points into water bodies in the District. Action plan to complete inventory.</p> <table border="1"> <thead> <tr> <th>Present status</th> <th>Gaps</th> <th>Action plan</th> </tr> </thead> <tbody> <tr> <td>KSPCB has carried out inventorisation of drains carrying wastewater into river in Polluted river stretch from Mullur to Sattegala Bridge of Chamarajanagar District.</td> <td>The identification of drains in the entire stretch of the river flowing in the District needs to be carried out.</td> <td> 1. KSPCB shall ensure that Executive officers of each taluk and ULB's shall identify the drains and plug off the same to avoid the pollution of water bodies. 2. Inventory of domestic sewage drains, Storm water drains discharging wastewater to water boides shall be carried out through Ulbs/Grama panchayath/Taluk panchayath </td> </tr> <tr> <td>Groundwater and Lakes/ponds pollution sources is not inventorised</td> <td>Inventorisation of Groundwater and Lakes/ponds pollution sources.</td> <td>Groundwater authority and Lakes authorities shall ensure that the inventorisation is carried out continuously in the District and to maintain</td> </tr> </tbody> </table>	Present status	Gaps	Action plan	KSPCB has carried out inventorisation of drains carrying wastewater into river in Polluted river stretch from Mullur to Sattegala Bridge of Chamarajanagar District.	The identification of drains in the entire stretch of the river flowing in the District needs to be carried out.	1. KSPCB shall ensure that Executive officers of each taluk and ULB's shall identify the drains and plug off the same to avoid the pollution of water bodies. 2. Inventory of domestic sewage drains, Storm water drains discharging wastewater to water boides shall be carried out through Ulbs/Grama panchayath/Taluk panchayath	Groundwater and Lakes/ponds pollution sources is not inventorised	Inventorisation of Groundwater and Lakes/ponds pollution sources.	Groundwater authority and Lakes authorities shall ensure that the inventorisation is carried out continuously in the District and to maintain	Minor irrigation department. LB's + Cauvery Niravari Nigama Limited + CEO Zilla Panchayath + KSPCB	31-3-2022
Present status	Gaps	Action plan											
KSPCB has carried out inventorisation of drains carrying wastewater into river in Polluted river stretch from Mullur to Sattegala Bridge of Chamarajanagar District.	The identification of drains in the entire stretch of the river flowing in the District needs to be carried out.	1. KSPCB shall ensure that Executive officers of each taluk and ULB's shall identify the drains and plug off the same to avoid the pollution of water bodies. 2. Inventory of domestic sewage drains, Storm water drains discharging wastewater to water boides shall be carried out through Ulbs/Grama panchayath/Taluk panchayath											
Groundwater and Lakes/ponds pollution sources is not inventorised	Inventorisation of Groundwater and Lakes/ponds pollution sources.	Groundwater authority and Lakes authorities shall ensure that the inventorisation is carried out continuously in the District and to maintain											

		<table border="1"> <tr> <td></td> <td></td> <td>the records.</td> </tr> </table>			the records.		
		the records.					
6.	Oil spill disaster management (for coastal Districts)	<p>Whether District oil spill crisis management group and District Oil Spill Disaster Contingency Plan has been created? If not create District Oil spill crisis Management Group and District Oil Spill Disaster Contingency Plan for the District.</p> <p>Chamarajanagar is not an coastal Districts. Not Applicable</p>	Not Applicable	Not Applicable			
7.	Protection of flood plains	<p>Check whether there is regulation for protection of flood plain encroachment? Action plan should be prepared for protection flood plain and prevention of encroachment.</p> <p>Already District disaster management plan has been prepared and same is available.</p>	District administration	31-3-2022			
8.	Rejuvenation of groundwater	<p>Check availability of ground water and if required prepare action plan to rejuvenate ground water in selected areas. Action plan should be prepared for Rain water harvesting.</p> <p>Development of recharge structure programmeis carried out in the District by</p>	Groundwater authority	31-3-2022			

		groundwater authority. Development of recharge structure programme is carried out in the District.											
9	Complaints redressal system	<p>Check whether there is any complaint redressing system based on Mobile App/Online, is available? If not, a complaint redressing system based on Mobile App/Online should be available at District level.</p> <table border="1"> <thead> <tr> <th>Current status</th> <th>GAP</th> <th>Action Plan</th> </tr> </thead> <tbody> <tr> <td>KSPCB has developed a mobile app for receipt of complaints from all over the state.</td> <td>Development of helpdesk and mobile app in the District</td> <td>District administration shall ensure the development of mobile App for redressal of complaint by public .</td> </tr> <tr> <td>Phone in programme is carried out in the District for readdress of public complaints once in a month</td> <td></td> <td>For rural areas the helpline numbers needs to be notified.</td> </tr> </tbody> </table>	Current status	GAP	Action Plan	KSPCB has developed a mobile app for receipt of complaints from all over the state.	Development of helpdesk and mobile app in the District	District administration shall ensure the development of mobile App for redressal of complaint by public .	Phone in programme is carried out in the District for readdress of public complaints once in a month		For rural areas the helpline numbers needs to be notified.	District Administration	31-3-2022
Current status	GAP	Action Plan											
KSPCB has developed a mobile app for receipt of complaints from all over the state.	Development of helpdesk and mobile app in the District	District administration shall ensure the development of mobile App for redressal of complaint by public .											
Phone in programme is carried out in the District for readdress of public complaints once in a month		For rural areas the helpline numbers needs to be notified.											

Domestic Sewage

a. Identification of gaps and action plan for treatment of domestic sewage

Details of Data Requirement	Present Status
No of Class-II towns and above	[Nos]: 2 Nos: City Municipal Council Chamarajanagar City Municipal Council Kollegala

No of Class-I towns and above	[Nos]: Nil																			
No of Towns STPs installed	[Nos]:3 Nos. <table border="1" data-bbox="831 272 1966 496"> <thead> <tr> <th data-bbox="831 272 1417 312">ULB's</th> <th data-bbox="1417 272 1966 312">Existing STP Capacity</th> </tr> </thead> <tbody> <tr> <td data-bbox="831 312 1417 352">City Municipal Council Chamarajanagar</td> <td data-bbox="1417 312 1966 352">9MLD</td> </tr> <tr> <td data-bbox="831 352 1417 416">City Municipal Council Kollegala</td> <td data-bbox="1417 352 1966 416">9 MLD</td> </tr> <tr> <td data-bbox="831 416 1417 496">Town Municipal Council, Gundlupet</td> <td data-bbox="1417 416 1966 496">There are two STP's each capacity 2.1 MLD and 1.5 MLD.</td> </tr> </tbody> </table>			ULB's	Existing STP Capacity	City Municipal Council Chamarajanagar	9MLD	City Municipal Council Kollegala	9 MLD	Town Municipal Council, Gundlupet	There are two STP's each capacity 2.1 MLD and 1.5 MLD.									
ULB's	Existing STP Capacity																			
City Municipal Council Chamarajanagar	9MLD																			
City Municipal Council Kollegala	9 MLD																			
Town Municipal Council, Gundlupet	There are two STP's each capacity 2.1 MLD and 1.5 MLD.																			
No of Towns needing STPs	[Nos]: 2 Nos <table border="1" data-bbox="831 660 1680 783"> <thead> <tr> <th data-bbox="831 660 1265 700">ULB's</th> <th data-bbox="1265 660 1680 700">Requires STP</th> </tr> </thead> <tbody> <tr> <td data-bbox="831 700 1265 740">Taluk Panchayath, Hanur</td> <td data-bbox="1265 700 1680 740">No UGD and STP in the Taluk</td> </tr> <tr> <td data-bbox="831 740 1265 783">Taluk Panchayath, Yelandur</td> <td data-bbox="1265 740 1680 783">No UGD and STP in the Taluk</td> </tr> </tbody> </table>			ULB's	Requires STP	Taluk Panchayath, Hanur	No UGD and STP in the Taluk	Taluk Panchayath, Yelandur	No UGD and STP in the Taluk											
ULB's	Requires STP																			
Taluk Panchayath, Hanur	No UGD and STP in the Taluk																			
Taluk Panchayath, Yelandur	No UGD and STP in the Taluk																			
No of ULBs having partial under ground Sewerage network	[Nos]: 3 Nos. <table border="1" data-bbox="831 983 1850 1254"> <thead> <tr> <th data-bbox="831 983 1077 1058">ULB's</th> <th data-bbox="1077 983 1265 1058">Existing STP Capacity</th> <th data-bbox="1265 983 1626 1058">% Existing UGD area covered</th> <th data-bbox="1626 983 1850 1058">Gap Analysis</th> </tr> </thead> <tbody> <tr> <td data-bbox="831 1058 1077 1134">CMC Chamarajanagar</td> <td data-bbox="1077 1058 1265 1134">9MLD</td> <td data-bbox="1265 1058 1626 1134">70%</td> <td data-bbox="1626 1058 1850 1134">30%</td> </tr> <tr> <td data-bbox="831 1134 1077 1174">CMC Kollegala</td> <td data-bbox="1077 1134 1265 1174">9 MLD</td> <td data-bbox="1265 1134 1626 1174">75%</td> <td data-bbox="1626 1134 1850 1174">25%</td> </tr> <tr> <td data-bbox="831 1174 1077 1254" rowspan="2">TMC Gundlupet</td> <td data-bbox="1077 1174 1265 1214">2.1 MLD</td> <td data-bbox="1265 1174 1626 1214" rowspan="2">75%</td> <td data-bbox="1626 1174 1850 1214" rowspan="2">25%</td> </tr> <tr> <td data-bbox="1077 1214 1265 1254">1.5 MLD</td> </tr> </tbody> </table>			ULB's	Existing STP Capacity	% Existing UGD area covered	Gap Analysis	CMC Chamarajanagar	9MLD	70%	30%	CMC Kollegala	9 MLD	75%	25%	TMC Gundlupet	2.1 MLD	75%	25%	1.5 MLD
ULB's	Existing STP Capacity	% Existing UGD area covered	Gap Analysis																	
CMC Chamarajanagar	9MLD	70%	30%																	
CMC Kollegala	9 MLD	75%	25%																	
TMC Gundlupet	2.1 MLD	75%	25%																	
	1.5 MLD																			

No of towns not having sewerage network	<p>[Nos]: 2 Nos.</p> <table border="1" data-bbox="826 229 1868 351"> <thead> <tr> <th data-bbox="826 229 1283 268">ULB's</th> <th data-bbox="1283 229 1868 268">Requires STP</th> </tr> </thead> <tbody> <tr> <td data-bbox="826 268 1283 306">Taluk Panchayath, Hanur</td> <td data-bbox="1283 268 1868 306">No UGD and STP in the Taluk</td> </tr> <tr> <td data-bbox="826 306 1283 351">Taluk Panchayath, Yelandur</td> <td data-bbox="1283 306 1868 351">No UGD and STP in the Taluk</td> </tr> </tbody> </table>	ULB's	Requires STP	Taluk Panchayath, Hanur	No UGD and STP in the Taluk	Taluk Panchayath, Yelandur	No UGD and STP in the Taluk										
ULB's	Requires STP																
Taluk Panchayath, Hanur	No UGD and STP in the Taluk																
Taluk Panchayath, Yelandur	No UGD and STP in the Taluk																
Total Quantity of Sewage generated in District From Class II cities and above	<p>[MLD]: 13.71 MLD</p> <table border="1" data-bbox="963 432 1906 624"> <thead> <tr> <th data-bbox="963 432 1245 507">ULB's</th> <th data-bbox="1245 432 1456 507">Existing STP Capacity</th> <th data-bbox="1456 432 1906 507">Total Quantity of sewage generated in MLD</th> </tr> </thead> <tbody> <tr> <td data-bbox="963 507 1245 582">CMC Chamarajanagar</td> <td data-bbox="1245 507 1456 582">9MLD</td> <td data-bbox="1456 507 1906 582">7.54</td> </tr> <tr> <td data-bbox="963 582 1245 624">CMC Kollegala</td> <td data-bbox="1245 582 1456 624">9 MLD</td> <td data-bbox="1456 582 1906 624">6.17</td> </tr> </tbody> </table>	ULB's	Existing STP Capacity	Total Quantity of sewage generated in MLD	CMC Chamarajanagar	9MLD	7.54	CMC Kollegala	9 MLD	6.17							
ULB's	Existing STP Capacity	Total Quantity of sewage generated in MLD															
CMC Chamarajanagar	9MLD	7.54															
CMC Kollegala	9 MLD	6.17															
Quantity of treated sewage flowing into Rivers(directly or indirectly)	<p>[MLD]: Not Estimated. As the treated sewage from STP of 9MLD from CMC Kollegal taluk is presently discharging to canal and which in turn joins Cauvery river.</p>																
Quantity of untreated or partially treated sewage(directly or indirectly)	<p>[MLD]: Not Estimated. The untreated sewage effluent through missing links from Kollegal CMC limit, is indirectly discharged to river.</p>																
Quantity of sewage flowing into lakes	<p>[MLD]: Not Estimated. The quantity of sewage flowing into lakes is not yet estimated.</p>																
Total available Treatment Capacity	<p>[MLD]: 21.6 MLD.</p> <table border="1" data-bbox="826 1018 1753 1335"> <thead> <tr> <th data-bbox="826 1018 1189 1056">ULB's</th> <th data-bbox="1189 1018 1753 1056">Existing STP Capacity</th> </tr> </thead> <tbody> <tr> <td data-bbox="826 1056 1189 1094">CMC Chamarajanagar</td> <td data-bbox="1189 1056 1753 1094">9MLD</td> </tr> <tr> <td data-bbox="826 1094 1189 1133">CMC Kollegal</td> <td data-bbox="1189 1094 1753 1133">9 MLD</td> </tr> <tr> <td data-bbox="826 1133 1189 1171">TMC Gundlupet</td> <td data-bbox="1189 1133 1753 1171">2.1 MLD</td> </tr> <tr> <td data-bbox="826 1171 1189 1209"></td> <td data-bbox="1189 1171 1753 1209">1.5 MLD</td> </tr> <tr> <td data-bbox="826 1209 1189 1248">TP Hanur</td> <td data-bbox="1189 1209 1753 1248">Nil (No STP only Septic tank and Soak Pit)</td> </tr> <tr> <td data-bbox="826 1248 1189 1286">TP Yelanduru</td> <td data-bbox="1189 1248 1753 1286">Nil (No STP only Septic tank and Soak Pit)</td> </tr> <tr> <td data-bbox="826 1286 1189 1335">Total</td> <td data-bbox="1189 1286 1753 1335">21.6 MLD</td> </tr> </tbody> </table>	ULB's	Existing STP Capacity	CMC Chamarajanagar	9MLD	CMC Kollegal	9 MLD	TMC Gundlupet	2.1 MLD		1.5 MLD	TP Hanur	Nil (No STP only Septic tank and Soak Pit)	TP Yelanduru	Nil (No STP only Septic tank and Soak Pit)	Total	21.6 MLD
ULB's	Existing STP Capacity																
CMC Chamarajanagar	9MLD																
CMC Kollegal	9 MLD																
TMC Gundlupet	2.1 MLD																
	1.5 MLD																
TP Hanur	Nil (No STP only Septic tank and Soak Pit)																
TP Yelanduru	Nil (No STP only Septic tank and Soak Pit)																
Total	21.6 MLD																

b. Identification of gaps and action plan for treatment of domestic sewage:

SL. No	Action Points	Gaps and Action Plan	Responsible agency	Timeline for completion of action plan															
1	Sewage Treatment Plants (STPs)	<p>Check whether existing capacity of STPs is adequate for treatment of sewage? If no, action plan for additional treatment capacity required should be prepared in association with ULBs /department of UD,</p> <table border="1" data-bbox="566 448 1424 1393"> <thead> <tr> <th data-bbox="566 448 725 627">ULB's</th> <th data-bbox="725 448 864 627">Quantity of wastewater generated in MLD</th> <th data-bbox="864 448 1030 627">Existing STP Capacity in MLD</th> <th data-bbox="1030 448 1184 627">Present Sewage in Flow rate in MLD</th> <th data-bbox="1184 448 1424 627">Gap Analysis</th> </tr> </thead> <tbody> <tr> <td data-bbox="566 627 725 1038">ty Municipal Council Chamarajanagar</td> <td data-bbox="725 627 864 1038">7.54</td> <td data-bbox="864 627 1030 1038">9 MLD</td> <td data-bbox="1030 627 1184 1038">5.0 MLD</td> <td data-bbox="1184 627 1424 1038">Due to incomplete UGD network connected to STP there is a missing links bypassing the STP. Thus these missing links must be intercepted and diverted to existing STP for treatment and Disposal. The existing STP is adequate for existing sewage generation.</td> </tr> <tr> <td data-bbox="566 1038 725 1393">City Municipal Council, Kollegal</td> <td data-bbox="725 1038 864 1393">6.1</td> <td data-bbox="864 1038 1030 1393">9MLD</td> <td data-bbox="1030 1038 1184 1393">4.5 MLD</td> <td data-bbox="1184 1038 1424 1393">Due to incomplete UGD network connected to STP there is a missing links bypassing the STP. Thus these missing links must be intercepted and diverted to existing STP for treatment and Disposal. The existing STP is</td> </tr> </tbody> </table>	ULB's	Quantity of wastewater generated in MLD	Existing STP Capacity in MLD	Present Sewage in Flow rate in MLD	Gap Analysis	ty Municipal Council Chamarajanagar	7.54	9 MLD	5.0 MLD	Due to incomplete UGD network connected to STP there is a missing links bypassing the STP. Thus these missing links must be intercepted and diverted to existing STP for treatment and Disposal. The existing STP is adequate for existing sewage generation.	City Municipal Council, Kollegal	6.1	9MLD	4.5 MLD	Due to incomplete UGD network connected to STP there is a missing links bypassing the STP. Thus these missing links must be intercepted and diverted to existing STP for treatment and Disposal. The existing STP is	LB's + KUWS&DB + Karnataka Urban Infrastructure Development and Finance Corporation + Grama Panchyath+ Taluk Panchyath.	31-3-2023
ULB's	Quantity of wastewater generated in MLD	Existing STP Capacity in MLD	Present Sewage in Flow rate in MLD	Gap Analysis															
ty Municipal Council Chamarajanagar	7.54	9 MLD	5.0 MLD	Due to incomplete UGD network connected to STP there is a missing links bypassing the STP. Thus these missing links must be intercepted and diverted to existing STP for treatment and Disposal. The existing STP is adequate for existing sewage generation.															
City Municipal Council, Kollegal	6.1	9MLD	4.5 MLD	Due to incomplete UGD network connected to STP there is a missing links bypassing the STP. Thus these missing links must be intercepted and diverted to existing STP for treatment and Disposal. The existing STP is															

					adequate.
Town Municipal Council, Gundlupet	3.03	2.1 MLD and 1.5 MLD	1.0 MLD		Due to incomplete UGD network connected to STP there is a missing links bypassing the STP. Thus these missing links must be intercepted and diverted to existing STP for treatment and Disposal. The existing STP is adequate.
Town Panchayath , Hanur	1.19	Houses are provided with Individual Septic tank and Soak pit.	Houses are provided with Individual Septic tank and Soak pit.		Need to provide UGD system connected to STP
Town Panchayth, Yelandur	0.94	Houses are provided with Individual Septic tank and Soak pit.	Houses are provided with Individual Septic tank and Soak pit.		Need to provide UGD system connected to STP
Total	18.8	21.6	10.5		

Action Plan:

1. The existing STP is adequate to treat the generated sewage
2. Due to incomplete UGD connection, missing link exists. The completion of UGD work and connection shall be made.
3. Preparation of DPR for channelization including diversion of sewage generated from household / township / villages to sewer lines and interception of all drains (excluding drains carrying industrial wastewater) for ensuring proper treatment through upcoming STPs viz., TP Hanur and TP Yelandur.
4. Septage Management in the areas where sewerage network does not exist
5. Installation of Web Cams & OCEEMS in STPs
6. Installation of Bar-meshes in the drains & regular cleaning & disposal of Solid Waste from them
7. Untapped drains to be provided with modular treatment facilities/ In-Situ bio-remediation.
8. Formulation of Action Plan for long term use of treated water discharged from STPs

2	Underground sewerage network	<p>Check seweragenetworkandprepareActionplanforlayingofseweragenetworkintownandcities.TheprojectmaybeexecutedthroughULBsandDepartment of UD. available</p> <table border="1" data-bbox="456 512 1364 1257"> <thead> <tr> <th>ULB's</th> <th>Status of Sewerage Network</th> <th>% Sewerage network provided</th> <th>% Sewerage network yet to be completed</th> <th>Gap Analysis</th> </tr> </thead> <tbody> <tr> <td>City Municipal Council Chamarajanagar</td> <td>Provided with UGD System</td> <td>70%</td> <td>30%</td> <td>30% of the UGD work needs to be completed</td> </tr> <tr> <td>City Municipal Council, Kollegal</td> <td>Provided with UGD System</td> <td>75%</td> <td>25%</td> <td>25% of the UGD work needs to be completed</td> </tr> <tr> <td>Town Municipal Council, Gundlupet</td> <td>Provided with UGD System</td> <td>75%</td> <td>25%</td> <td>25% of the UGD work needs to be completed</td> </tr> <tr> <td>Town Panchayath, Hanur</td> <td>There is no UGD System implemented</td> <td>Not Applicable</td> <td>Not Applicable</td> <td>Need to provide UGD system</td> </tr> <tr> <td>Town Panchayth, Yelandur</td> <td>There is no UGD System implemented</td> <td>Not Applicable</td> <td>Not Applicable</td> <td>Need to provide UGD system</td> </tr> </tbody> </table> <p>Action Plan: 1. Laying of Sewerage Network & Connection of households to the sewer line in order to utilize the installed capacity of existing STPs</p>	ULB's	Status of Sewerage Network	% Sewerage network provided	% Sewerage network yet to be completed	Gap Analysis	City Municipal Council Chamarajanagar	Provided with UGD System	70%	30%	30% of the UGD work needs to be completed	City Municipal Council, Kollegal	Provided with UGD System	75%	25%	25% of the UGD work needs to be completed	Town Municipal Council, Gundlupet	Provided with UGD System	75%	25%	25% of the UGD work needs to be completed	Town Panchayath, Hanur	There is no UGD System implemented	Not Applicable	Not Applicable	Need to provide UGD system	Town Panchayth, Yelandur	There is no UGD System implemented	Not Applicable	Not Applicable	Need to provide UGD system	LB's + KUWS&DB+ Urban Development	31-3-2022
ULB's	Status of Sewerage Network	% Sewerage network provided	% Sewerage network yet to be completed	Gap Analysis																														
City Municipal Council Chamarajanagar	Provided with UGD System	70%	30%	30% of the UGD work needs to be completed																														
City Municipal Council, Kollegal	Provided with UGD System	75%	25%	25% of the UGD work needs to be completed																														
Town Municipal Council, Gundlupet	Provided with UGD System	75%	25%	25% of the UGD work needs to be completed																														
Town Panchayath, Hanur	There is no UGD System implemented	Not Applicable	Not Applicable	Need to provide UGD system																														
Town Panchayth, Yelandur	There is no UGD System implemented	Not Applicable	Not Applicable	Need to provide UGD system																														

- | | | | | |
|--|--|--|--|--|
| | | <ol style="list-style-type: none">2. Treatment of waste water in Rural areas flowing into the river by Bio-remediation/Phyto-remediation/Oxidation Pond etc3. Tapping & diversion of the drains having high sewage load to STPs to be constructed on I&D model4. Establishment of Sewage Treatment Plants of adequate capacity | | |
|--|--|--|--|--|

Industrial waste water management

a. Current Status related to Industrial Waste water Management

Number of Red, Orange, Green and White industries in the District	As per the F-Reg maintained in the Regional office –Chamarajanagar, KSPCB as on 31-03-2021 the list of number of operating industries is as below: [Nos. of Red industries]: 4 (out off 4 Nos. of red industry , No of 17 category industries is 1No.) [Nos. of Orange industries]: 28 [Nos. of Green industries]:57 [Nos. of White industries]:2
No of Industries discharging waste water	[Nos]: 23 Nos
Total Quantity of industrial waste water generated	[MLD]:1.88 MLD
Quantity of treated industrial waste water discharged in to Nalas/ Rivers	[MLD]: Nil. None of the industries are permitted to discharge either treated industrial wastewater into water bodies like Nalas /Rivers by KSPCB
Common Effluent Treatment Facilities	[Nos]: Nil. There are no CETP's in the Chamarajanagar District.
No of Industries meeting Standards	[Nos]: 23 Nos
No of Industries not meeting discharge Standards	[Nos]: Nil As per the CPCB inspection policy the industries were inspected and sampling is carried out. If the samples are not confirming, the Show cause notice is served.

b. Identification of gaps and action plan for industrial waste water:

SL.No	Action Points	Gaps and Action Plan	Responsible agency	Timeline for completion of action plan
-------	---------------	----------------------	--------------------	--

1	Compliance to discharge norms by Industries	Identify gaps w.r.t industries not meeting the standards. Necessary action be initiated through SPCBs against the industries not meeting the standards.		KPCB	Already it is implemented by KSPCB as it is a continuous process and KSPCB will be acting as per the provisions of Water and Air Act for the compliance of discharge norms.
		Current Status	Gap Analysis		
		<ul style="list-style-type: none"> Regional office Chamarajanagar, KSPCB is inspecting the industries as per the CPCB inspection policy. As per the CPCB frequency the sampling and monitoring of effluent and stack emissions are carried out by KSPCB Based on the Lab Analyst Analysis report the non-confirming industries is served with Show cause notices as per the provisions of the Water (Prevention and Control of Pollution) Act 1974 and Air(Prevention and Control of Pollution) Act 1981 to make compliance and implementation is in progress for compliance. If Non-compliance still continued Closure directions are issued as per the provisions of the Water (Prevention and Control of Pollution) Act 1974 and Air (Prevention and Control of Pollution) Act 1981. 	Nil		

2	Complaint redressal system	Check if there is any complaint redressing system based on Mobile App/Online, is available? If not, a complaint redressing system based on Mobile App/Online portal may be prepared at district level.	<table border="1"> <thead> <tr> <th>Current Status</th> <th>Gap Analysis</th> <th>Action Plan</th> </tr> </thead> <tbody> <tr> <td>Presently, KSPCB has established online Integrated Command Centre at Head office to receive complaints from public throughout the state and same is accessible through both mobile app and through online. and some are directly received at Regional office.</td> <td>Nil</td> <td>Not Applicable</td> </tr> <tr> <td>All District level public complaints is addressed through Phone in Programme conducted by District administration</td> <td>Nil</td> <td>Not Applicable</td> </tr> </tbody> </table>			Current Status	Gap Analysis	Action Plan	Presently, KSPCB has established online Integrated Command Centre at Head office to receive complaints from public throughout the state and same is accessible through both mobile app and through online. and some are directly received at Regional office.	Nil	Not Applicable	All District level public complaints is addressed through Phone in Programme conducted by District administration	Nil	Not Applicable	KSPCB + District administration	District is already having a means of Complaint redressal system . Not Applicable
			Current Status	Gap Analysis	Action Plan											
			Presently, KSPCB has established online Integrated Command Centre at Head office to receive complaints from public throughout the state and same is accessible through both mobile app and through online. and some are directly received at Regional office.	Nil	Not Applicable											
All District level public complaints is addressed through Phone in Programme conducted by District administration	Nil	Not Applicable														

Mining Management Plan

a. Current Status related to Mining Activity Management

Details of Data Requirement	Existing Mining operations
Type of Mining Activity	Sand mining- 1. Name of mines –Mullur Village There are no other mineral mines in the District. Other[specify]:black granite: quarrying lease -09 patta land-49;; Building stone: Quarry lease- 26, Patta land-7
No of licensed Mining operations in the District	[Nos]: 92 : Sand mining- 1. Black granite: Quarrying lease -09 , Patta land-49; Building stone: Quarry lease-26, Patta land-7
% Area covered under mining in the District	1.21 % (Sand mining- 0.048 Sq.Km; Black granite: Quarry lease-0.1507 Sq.Km; Patta Land- 0.701 Sq.Kms; Building stone: Quarry lease + Patta land-0.305 Sq.Km)
Area of Sand Mining	[SqKm]: 0.048 Sq.Km
Area of sand Mining	[Riverbed]: River bed mining is carried out in the District as per Rules (sand mining rules) [Estuary]: Not Applicable [Non - river deposit]:Not Applicable

b. Identification of gaps and action plan

SL.No	Action Points	Gaps and Action Plan	Responsible agency	Timeline for completion of action plan						
1.	Monitoring of Mining activity	<p>A district level task team may be identified to identify mining activity and to monitor status wither respect to environmental compliance</p> <p>District is engaged in only Sand mining activity across the River bed. Apart from this activity blasting is carried out in stone quarrying sites for extraction of black granite and building stone materials in the lease area. The permission is granted by licensing authority i.e. Mines and Geology Department.</p> <table border="1"> <thead> <tr> <th>Current Status</th> <th>Gap Analysis</th> <th>Action plan</th> </tr> </thead> <tbody> <tr> <td>District level task force committee is already constituted in the District and same in force.</td> <td>Nil</td> <td>Nil</td> </tr> </tbody> </table>	Current Status	Gap Analysis	Action plan	District level task force committee is already constituted in the District and same in force.	Nil	Nil	Mines and Geology Department	Not Applicable as District has already having District Level Task force Team.
Current Status	Gap Analysis	Action plan								
District level task force committee is already constituted in the District and same in force.	Nil	Nil								
2.	Inventory of illegal mining if any mining	<p>Action planto identify illegalsand and other mining activity in the District through surveillance, patrolling and enforcement. District Level task Force may be constituted for control of illegal mining activity</p> <p>No such illegal mining activities identified in the District.</p> <table border="1"> <thead> <tr> <th>Current Status</th> <th>Gap Analysis</th> <th>Action plan</th> </tr> </thead> <tbody> <tr> <td>District level task force committee is already constituted in the District and same in force.</td> <td>Nil</td> <td>Nil</td> </tr> </tbody> </table>	Current Status	Gap Analysis	Action plan	District level task force committee is already constituted in the District and same in force.	Nil	Nil	Mines and Geology Department	Not Applicable as District has already having District Level Task force Team.
Current Status	Gap Analysis	Action plan								
District level task force committee is already constituted in the District and same in force.	Nil	Nil								
3.	Environment compliance by Mining industry	<p>Action plan for periodic verification of compliance to environmental conditions stipulated by SPCBs/PCC, MoEF & CC department of mines etc. SPCBs/PCC may be Involved in this activity.</p> <table border="1"> <thead> <tr> <th>Current Status</th> <th>Gap Analysis</th> <th>Action plan</th> </tr> </thead> <tbody> <tr> <td>Dept. of Mines and Geology is regularly monitoring the Environmental conditions compliance status as per the EC granted. District level task force committee is already constituted in the District and reviewing the compliance.</td> <td>Not Applicable</td> <td>Not Applicable</td> </tr> </tbody> </table>	Current Status	Gap Analysis	Action plan	Dept. of Mines and Geology is regularly monitoring the Environmental conditions compliance status as per the EC granted. District level task force committee is already constituted in the District and reviewing the compliance.	Not Applicable	Not Applicable	Mines and Geology Department	Not Applicable
Current Status	Gap Analysis	Action plan								
Dept. of Mines and Geology is regularly monitoring the Environmental conditions compliance status as per the EC granted. District level task force committee is already constituted in the District and reviewing the compliance.	Not Applicable	Not Applicable								

Noise Pollution Management plan

a. Current Status related to Noise Pollution Management

Details of Data Requirement	Measurable Outcome
No. of noise measuring devices available with various agencies in District	<p>[Name of agency]: Regional Office - Chamarajanagar, Karnataka State Pollution Control Board.</p> <p>[No of analyzers available]: Presently KSPCB is having 2Nos. of Noise Monitoring devices.</p> <ol style="list-style-type: none"> 1. Quest Technologies-Sound pro SE/DL 2. S12 (SLM/Noise Dosimeter)

b. Identification of gaps and action plan:

SL. No.	Action points	Gaps and ActionPlan	Responsible Agency	Timeline for completion of action plan						
1.	Availability of Sound/Noise Level Meters.	<p>Need to check whether concerned agencies that are ULBs, SHOs, Traffic police and SPCB/PCC have noise level meters. District administration may ensure through an actionplanthatconcernedagenciesandenvironmentalcellunderdistrictadministration have adequate number of portable noise level meters.</p> <table border="1"> <thead> <tr> <th>Current Status</th> <th>Gap Analysis</th> <th>Action plan</th> </tr> </thead> <tbody> <tr> <td>In the District concerned agencies that are ULBs, SHOs, Traffic police has no noise measuring devices at present. KSPCB is presently having -2 Nos of Noise level meters</td> <td>Other than KSPCB no other agencies is having Portable Noise meter.</td> <td>All ULBs, SHOs, Traffic police shall procure the Portable noise level meters.</td> </tr> </tbody> </table>	Current Status	Gap Analysis	Action plan	In the District concerned agencies that are ULBs, SHOs, Traffic police has no noise measuring devices at present. KSPCB is presently having -2 Nos of Noise level meters	Other than KSPCB no other agencies is having Portable Noise meter.	All ULBs, SHOs, Traffic police shall procure the Portable noise level meters.	Concerned ULB's + SHO's + Deputy Superintendent of Police + Traffic Police + District administration + KSPCB	31-03-2022
Current Status	Gap Analysis	Action plan								
In the District concerned agencies that are ULBs, SHOs, Traffic police has no noise measuring devices at present. KSPCB is presently having -2 Nos of Noise level meters	Other than KSPCB no other agencies is having Portable Noise meter.	All ULBs, SHOs, Traffic police shall procure the Portable noise level meters.								

2.	Ambient Noise Level monitoring.	<p>ULBs shall ensure that ambient sound levels comply with notified standards for residential, sensitive zones. An action. Apart from portable analyzers, fixed ambient noise level monitoring stations may be installed in major cities and towns, such stations may be installed by ULBs and SPCB/PCC,</p> <table border="1" data-bbox="584 260 1585 515"> <thead> <tr> <th data-bbox="584 260 925 300">Current Status</th> <th data-bbox="925 260 1229 300">Gap Analysis</th> <th data-bbox="1229 260 1585 300">Action plan</th> </tr> </thead> <tbody> <tr> <td data-bbox="584 300 925 515">ULB's and KSPCB as not installed Fixed Ambient Noise level Monitoring Stations in the District.</td> <td data-bbox="925 300 1229 515">District has no Fixed Ambient Noise level Monitoring Stations.</td> <td data-bbox="1229 300 1585 515">ULB's and KSPCB may install or retrofit the Fixed Ambient Noise level Monitoring Stations with the existing CAAQM.</td> </tr> </tbody> </table>	Current Status	Gap Analysis	Action plan	ULB's and KSPCB as not installed Fixed Ambient Noise level Monitoring Stations in the District.	District has no Fixed Ambient Noise level Monitoring Stations.	ULB's and KSPCB may install or retrofit the Fixed Ambient Noise level Monitoring Stations with the existing CAAQM.	District Administration KSPCB + ULB's	31-12-2023
Current Status	Gap Analysis	Action plan								
ULB's and KSPCB as not installed Fixed Ambient Noise level Monitoring Stations in the District.	District has no Fixed Ambient Noise level Monitoring Stations.	ULB's and KSPCB may install or retrofit the Fixed Ambient Noise level Monitoring Stations with the existing CAAQM.								
3.	Sign boards in Noise zones	<p>District administration may ensure that adequate number of sign boards installed at sensitive zones in towns / cities in towns and cities. An action plan may be prepared by district authority.</p> <table border="1" data-bbox="584 655 1585 874"> <thead> <tr> <th data-bbox="584 655 925 695">Current Status</th> <th data-bbox="925 655 1229 695">Gap Analysis</th> <th data-bbox="1229 655 1585 695">Action plan</th> </tr> </thead> <tbody> <tr> <td data-bbox="584 695 925 874">Police Department has installed adequate number of sign Boards in each silent zone of respective ULB's</td> <td data-bbox="925 695 1229 874">Nil</td> <td data-bbox="1229 695 1585 874">Not Applicable.</td> </tr> </tbody> </table>	Current Status	Gap Analysis	Action plan	Police Department has installed adequate number of sign Boards in each silent zone of respective ULB's	Nil	Not Applicable.	Not Applicable	Not Applicable
Current Status	Gap Analysis	Action plan								
Police Department has installed adequate number of sign Boards in each silent zone of respective ULB's	Nil	Not Applicable.								
4.	Complaint redressing system	Action plan may envisage implementing a public complaint redressal system for noise pollution. Such application may be used by SHOs, Traffic police ULBs and SPCBs in the	Not Applicable	Not Applicable						

District:				
Current Status		Gap Analysis	Action plan	
<ol style="list-style-type: none"> 1. Complaint at present is received from public either directly to KSPCB or register in police station. 2. KSPCB has initiated an Integrated Command Control Centre in Head office Bangalore as an Complaint redressing system for whole state by online or mobile app. 3. In District administration complaints are also received through Phone in Programme. 		Not Applicable.	Not Applicable.	


Deputy Commissioner
Chamarajanagar District,
 **Chamarajanagar**
Deputy Commissioner
 Chamarajanagar Dist
 Chamarajanagar