National Mission for Clean Ganga
Monthly Progress Report of Gujarat State for Jan-20
(Hon'ble NGT in the matter of OA No.673/2018 dated 06/12/2019)

Sl.No.	Activity to be monitored	Timeline	Submission of Progress by States/UT- Compliance Status
1	Ensure 100% treatment of sewage at least in-situ remediation	31.03.2020	Presently there is no any proposal for in-situ remediation. However, as per the suggestion given by Assessment team during meeting held on 04/02/2020, NEERI, UP Govt., Punjab Gov. etc may be approached by UDD/GUDM/Concerned for technical support in the matter
	Commencement of setting up of STPs and connecting all the drains and other sources of generation of sewage to the STPs must be ensured	31.03.2020	Ankleshwar STP (14 MLD):- may be completed by March-2021 PRH & RDD was informed to submit the action plan for the sewage generated from the villages
2	Timeline for completing all steps of action plans including completion of setting up of STPs and their commissioning	31.03.2021	14 MLD STP (Ankleshwar Nagar Palika):- March - 2021 PRH & RDD was informed to submit the action plan for the sewage generated from the villages
3	Chief Secretaries may set up appropriate monitoring mechanism at State level • Specifying accountability of nodal authorities not below the Secretary Level • Chief Secretaries may have an accountable person attached in their office for this purpose. • Monitoring at State level must take place	22.01.2020 22.01.2020 Fortnightly commencing 21.12.2019	Quarterly RRC meeting held at GPCB, Gandhinagar to review the progress & minutes of the same (having progress status) is regularly submitted to CPCB Reviews of all NGT matters are taken frequently under chairmanship of Hon'ble CS (Last meeting was conducted on 24/12/2019) in matter of O.A. No.:- 606/2018
4	Progress report may be furnished by the States/UTs to • Secretary, Ministry of Jal Shakti • Member Secretary, CPCB	Monthly (preferably before 20th of every month)	Noted & Complied
5	Progress Report may be comprised of details along with completion timelines on: (i) Identification of polluting sources including drains contributing to river pollution and action as per		Identification of polluting sources including drains contributing to river pollution is already completed and submitted in the PRS action plan which is already approved by CPCB w.r.t Priority

		NGT order on in-situ treatment		I and II. In-situ treatment:- Pl. refer point no:-1
	(ii)	Status of STPs, I&D and sewerage networks Details of existing infrastructure, gap analysis, proposed along with completion timeline		**Existing infrastructure:** 22.5 MLD (only 7.5 MLD capacity is utilized for the sewage generated from Notified area) **Gap:** 10.75 MLD (due to sewage generated from Nagarpalika and nearby villages) **Proposed :** 14 MLD **Completion Timeline :** March-2021
	(iii)	Status of CETPs Details of existing CETP and ETP infrastructure, gap analysis, proposed along with completion timeline, no. of industries and complying status		There is no any direct waste water discharge from any CETP in to Amlakhadi
	(iv)	Status of Solid Waste Management & Details of Processing Facilities Details of existing infrastructure, gap analysis, proposed along with completion timeline		5 (iv) Status is attached as **Annexure – I**
	(v)	Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river		5 (v) Status is attached as **Annexure –II**
	(vi)	Preventing dumping of waste and scientific waste management including bio-medical wastes, plastic wastes and decentralizing waste processing, including waste generated from hotels, ashrams etc.		**Bio-Medical Waste:-** There are total 321 # of HCUs (Health Care Units) located in the Ankleshwar taluka, treatment & disposal of Bio Medical Waste of which is being taken care of by a common facility M/s, Globe Bio Care located in GIDC Ankleshwar **Industrial Waste:-** Hazardous waste generating units are consented with the authorization under Haz. Waste Management Rules, amended time to time & they are disposing their waste to TSDF/CHWIF/registered recycler under Rule-9/Co-processing and as per consented conditions
	(vii)	Ground water regulation		GWRDC has given details about the recently framed draft bill titled "Conservation, Protection, Regulation and Management of

			Ground Water in Gujarat State" in the meeting held on 04/02/2020 at GPCB with PRS Assessment Team nominated by Ministry of Jal Shakti which is in process and within 3 months to be submitted to the Assembly.
	(viii) Adopting good irrigation practices		Details w.r.t point no. 5 (viii), (ix), (x), (xi) given by Irrigation Dept. as on date is attached as **Annexure – III.**
	(ix) Protection and management of Flood Plain Zones (FPZ)		
	(x) Rain water harvesting		
	(xi) Maintaining minimum environmental flow of river		
	(xii) Plantation on both sides of the river		Details w.r.t point no. 5 (xii) given by Forest Dept. /PCCF/ACCF/Concerned as on date is attached as **Annexure – IV**
	(xiii) Setting up biodiversity parks on flood plains by removing encroachment		GBB informed during the meeting held on 04/02/2020 at GPCB with PRS Assessment Team nominated by Ministry of Jal Shakti about proposal sent by them to CAMPA for funding of around Rs. 5 crore for the development of Biodiversity Park. Team suggested tying up with AMC as they already have some plan to develop Biodiversity park at Khari under NRCP.

Annexure- I

5 (iv) Status of Solid Waste Management & Details of Processing Facilities:

Types of Waste/ Characteristic of waste	Generated Quantity (MT/Day)	Collection/Storage facility with capacity (MT/Day)	Disposal/Treatment facility with capacity along with location	Total Gap with generation & existing treatment facilities if any	Proposed action plan /facility to cover gap	Time limit	Remarks	Present Status
Ankleshwar Notified Area MSW WASTE	23	10 MT/Day dry waste and 13 MT/Day Kitchen Waste	13 MT/day kitchen waste disposed to Bio gas plant of BEIL	10 MT/day	Installing MSW processing plant Of 10 MTD Capacity	Dec 2019	Earlier it was decided by Board of Management of Notified Area, GIDC. Ankleshwar to give O & M for MSW plot for five years and for the same estimate was prepared and DPR is almost ready for inviting tender. But there is problem with the disposal of existing dumped solid waste. And broadly discussed about this problem and Now Board has decided to prepare estimate considering disposal of existing dumped waste in the plot allotted for MSW purpose. So,	**Ankleshwar Notified area:** For MSW plot no 9207 admeasuring 14000 SQMT is allotted by GIDC. Kitchen waste of housing area is dumped to BEIL, Ankleshwar. Estimate work for development of MSW site as per MSW Rules 2016 is under process and same may approved and tender of the same will be done in 5 to 6 months. Door to door MSW collected from GIDC area is dumped to plot no 9207. GIDC, Ankleshwar.

							Earlier the time for tendering work was given up to Dec-2019 but now the same is to be revised and it will be published up to May-2020.	
Ankleshwar Nagar Palika MSW WASTE	23.54	23.54	14.64 TPD (Wet Waste being processed at Compost plant-25 TPD Amboli road, Ankleshwar) 08.50 TPD (Dry Waste being segregated & sold out to recyclers) 00.40 TPD (Mix Waste to be disposed at dump site)	0	-	-	**Ankleshwar Nagar Palika-** MSW collected from household of Ankleshwar town is segregated for converting 15 MT of inorganic fertilizer and plastic waste is used for making molds.	-
Total	**46.54**	**36.54**	**--**	**10 MT**	**--**	**--**		**--**

Annexure-II

5 (v) Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river

Progress/Status Report of the River/PRS water quality monitoring for the Month Jan-20:

Sr.no.	Location ID	Name of Location	Parameter					
			DO (mg/l)	pH	BOD (mg/l)	COD (mg/l)	Total coliform (MPN/ 100ml)	Fecal coliform (MPN/100 ml)
1434	33440	Low Level bridge	BDL	7.34	13	69	940	210
1980	32618	Pungam	BDL	7.44	18	99	210	110

Progress /Status Report for Ground water quality monitoring pertaining to PRS River (Jan - 2020):

Location ID	Name of Location	Parameter										
		pH	BOD (mg/l)	COD (mg/l)	Cu mg/l	T.Cr. mg/l	H.Cr. mg/l	Fe mg/l	Pb mg/l	Mn mg/l	Ni mg/l	Zn mg/l
32643	Gujarat Gas Office, Umervada	7.23	0.39	5	0.017	BDL	BDL	0.608	0.057	--	BDL	0.054
50635	Vill. Juna Pungam	7.81	0.35	5	0.009	BDL	BDL	0.137	0.001	--	BDL	0.015
	Vill. Bhadkodra	7.91	--	5	--	--	--	--	--	--	--	--
	Vill. Kosmadi	7.69	--	6	--	--	--	--	--	--	--	--
	Piraman Gram Panchayat	7.59	--	5	--	--	--	--	--	--	--	--
	Vill. Sakarporbhatha	7.52	--	5	--	--	--	--	--	--	--	--

Drains details with Flow:

Sr. No.	Location	Name of Inletting River/Drain	Discharge MLD	
			Max	**Min**
1	GIDC Ankleshwar Valia Chokdi	Ankleshwar GIDC STP w/w stream/Ankleshwar GIDC drain*	7.5	3
2	Ankleshwar Station side drain	Ankleshwar Station side drain nr Low level bridge	0.5	0.2
3	Piraman village	Domestic w/w stream of Piraman village	0.25	0.1
4	Ankleshwar Nagar Palika Oxidation pond overflow	Ankleshwar Town drain	6.45	2.01
5	Ankleshwar Nagar Palika Juna Diva	Juna Diva Drain	0.5	0
6	Ankleshwar Nagar Palika Surti Bhagor drain	Surti Bhagor drain	0.05	0

Annexure-III

Details w.r.t point no. 5 (viii), (ix), (x), (xi) given by Irrigation Dept. as on date

Sr.No	River name	Details/Status
1	Amlakhadi	1) Environmental flow – NA 2) Details of good irrigation practice- NA 3) Details of flood plain management zone - details mentioned below

1. Environmental Flow (E-Flow)

Stretch	Existing E-Flow	Proposed Plan to Achieve min. E-Flow	Time Limit	Remarks
1	2	3	4	5
Amala Khadi Stretch from Pungam to Bharuch.	N.A.	N.A.	N.A.	Amla Khadi is not a perennial river, but it is a drain/Khadi meeting to Narmada river. There is no existing storage Dam/Weir on this drain. Water gets polluted due to effluent released from the industrial units located in up stream of this khadi.

2. Details of good Irrigation Practices:

There is no Irrigation Project existing on Amla Khadi. So the question of Irrigation Practice does not arise.

3. Details on flood plain management zone:

No such heavy Flood is noticed in this drain, so question does not arise.

Annexure-IV

Details w.r.t point no. 5 (xii) given by Forest Dept. /PCCF/ACCF/Concerned as on date

Stretch/river	**Existing plantation/vegetation cover details**	**Proposed plan to cover remaining gap along river /river stretch**	**Time limit**	**Remarks**
Amlakhadi	Total plantation / trees along Amlakhadi: **8000**	--		
The details received from Social Forestry wing, Aranya Bhavan, Gandhinagar are as under				
Amla kahdi (Limed to Dadhal) 43.00 Km	About 11000 trees	Proposed achievable target submitted by APCCF is 25.77 lacs for all the Rivers of Gujarat as per attached details **as Annexure-A**		

Annexure-A

Status on Implementation of Action Plans for Restoration of Identified Polluted River Stretches for ensuring compliance to Hon'ble NGT Orders dated 20.09.2019, 19.12.2019 and 08.04.2019

S. No.	KEY COMPONENTS OF PROPOSED ACTION PLANS FOR RESTORATION OF IDENTIFIED POLLUTED RIVER STRETCHES IN STATEs/UTs	Proposed achievable Target	Proposed Time Targets for compliance	Present Status and or pendency in term of %	Concerned Agency
10	Greenery or plantation on both sides of the river	25.77 (lacs)	-	0%	**F&ED, Social Forestry, PCCF, GSWMA**

સને. ૨૦૧૯-૨૦માં નદી કાંઠે વૃક્ષ વાવેતર માટે જીલ્લાવાર ફાળવેલ લક્ષ્યાંક-સિધ્ધી (રોપા લાખમાં)					
અ.નં	જિલ્લો	વિભાગ	વર્તુળ	વાવેતર કરવાના થતા રોપા	સિધ્ધી (તા. ૩૧.૧૦.૨૦૧૯) અંતિત
૧	અમદાવાદ	અમદાવાદ	અમદાવાદ	૧.૨૫	૧.૨૫
૨	ખેડા	નડીયાદ	અમદાવાદ	૧.૫૦	૧.૫૦
૩	આણંદ	આણંદ	અમદાવાદ	૧.૫૦	૧.૫૦
૪	સુરેન્દ્રનગર	સુરેન્દ્રનગર	અમદાવાદ	૦.૭૫	૦.૪૫
	કુલ અમદાવાદ વર્તુળ			૫.૦૦	૫.૦૦
૫	અરવલ્લી	સાબરકાંઠા(ઉ)	મહેસાણા	૦.૬૦	૦.૩૬
૬	સાબરકાંઠા	સાબરકાંઠા(ઉ)	મહેસાણા	૦.૬૦	૦.૮૪
૭	બનાસકાંઠા	બનાસકાંઠા	મહેસાણા	૧.૦૦	૧.૨૩
૮	મહેસાણા	મહેસાણા	મહેસાણા	૦.૫૦	૦.૬૯
	કુલ મહેસાણા વર્તુળ			૨.૭૦	૩.૧૨
૯	નવસારી	નવસારી	ભરૂચ	૦.૯૦	૦.૯૦
૧૦	વલસાડ	વલસાડ	ભરૂચ	૧.૦૦	૧.૦૧
૧૧	સુરત	સુરત	ભરૂચ	૦.૩૦	૦.૩૦
૧૨	તાપી	સુરત	ભરૂચ	૦.૫૦	૦.૫૦
૧૩	નર્મદા	નર્મદા	ભરૂચ	૧.૦૦	૧.૦૦
૧૪	ભરૂચ	ભરૂચ	ભરૂચ	૧.૮૦	૧.૯૦
	કુલ ભરૂચ વર્તુળ			૫.૫૦	૫.૬૧
૧૫	ગીરસોમનાથ	ગીરસોમનાથ	રાજકોટ	૦.૫૦	૦.૨૯
૧૬	જુનાગઢ	ગીરસોમનાથ	રાજકોટ	૦.૫૦	૦.૨૯
૧૭	રાજકોટ	રાજકોટ	રાજકોટ	૦.૫૦	૦.૨૧
૧૮	મોરબી	રાજકોટ	રાજકોટ	૦.૫૦	૦.૧૧
૧૯	ભાવનગર	બોટાદ	રાજકોટ	૦.૫૦	૦.૩૩
૨૦	બોટાદ	બોટાદ	રાજકોટ	૦.૫૦	૦.૨૬
૨૧	દેવભૂમિ દ્વારકા	દેવભૂમિ દ્વારકા	રાજકોટ	૦.૫૦	૦.૫૦
૨૨	જામનગર	દેવભૂમિ દ્વારકા	રાજકોટ	૦.૫૦	૦.૭૫
૨૩	પોરબંદર	દેવભૂમિ દ્વારકા	રાજકોટ	૦.૫૦	૦.૨૫
૨૪	અમરેલી	અમરેલી	રાજકોટ	૦.૫૦	૦.૫૧
	કુલ રાજકોટ વર્તુળ			૫.૦૦	૫.૦૦
૨૫	વડોદરા	વડોદરા	ગોધરા	૧.૦૦	૦.૭૪
૨૬	છોટાઉદેપુર	વડોદરા	ગોધરા	૦.૫૦	૦.૭૬
૨૭	દાહોદ	દાહોદ	ગોધરા	૨.૦૦	૨.૦૦
૨૮	પંચમહાલ	ગોધરા	ગોધરા	૧.૦૦	૦.૬૨
૨૯	મહીસાગર	ગોધરા	ગોધરા	૧.૦૦	૧.૦૮
	કુલ ગોધરા વર્તુળ			૫.૫૦	૫.૫૦
૩૦	કચ્છ	કચ્છવિ.	કચ્છ	૦.૫૦	૦.૫૦
૩૧	પાટણ	પાટણ	કચ્છ	૦.૫૦	૦.૫૦
	કુલ કચ્છ વર્તુળ			૧.૦૦	૧.૦૦
૩૨	ગાંધીનગર	ગાંધીનગર	ગાંધીનગર	૦.૩૦	૦.૫૪
	કુલ કચ્છ વર્તુળ			૦.૩૦	૦.૫૪
	એકદરે કુલ			૨૫.૦૦	૨૫.૭૭

National Mission for Clean Ganga

Monthly Progress Report of Gujarat State for Jan-20

(Hon'ble NGT in the matter of OA No.673/2018 dated 06/12/2019)

Sl. No.	Activity to be monitored	Timeline	Submission of Progress by States/UT- Compliance Status
1	Ensure 100% treatment of sewage at least in-situ remediation	31.03.2020	Presently there is no any proposal for in-situ remediation. However, as per the suggestion given by Assessment team during meeting held on 04/02/2020, NEERI, UP Govt., Punjab Gov. etc may be approached by UDD/GUDM/Concerned for technical support in the matter
	Commencement of setting up of STPS and connecting all the drains and other sources of generation of sewage to the STPs must be ensured	31.03.2020	STP Jetpur - Navagadh Nagarpalika (23.5 MLD):- Trial run to be expected by April-2020
2	Timeline for completing all steps of action plans including completion of setting up of STPs and their commissioning	31.03.2021	STP Jetpur - Navagadh Nagarpalika (23.5 MLD):- Trial run to be expected by April-2020 **CETP:-** **CETP JDPA (Upgradation)** - may be completed Apr- 2020 **CETP Dhareshwar (Modification):-** work completed **New CETP JDPA: -** Dec- 2020
3	Chief Secretaries may set up appropriate monitoring mechanism at State level • Specifying accountability of nodal authorities not below the Secretary Level • Chief Secretaries may have an accountable person attached in their office for this purpose. • Monitoring at State level must take place	22.01.2020 22.01.2020 Fortnightly commencing 21.12.2019	Quarterly RRC meeting held at GPCB, Gandhinagar to review the progress & minutes of the same (having progress status) is regularly submitted to CPCB Reviews of all NGT matters are taken frequently under chairmanship of Hon'ble CS (Last meeting was conducted on 24/12/2019) in matter of O.A. No.:-606/2018
4	Progress report may be furnished by the States/UTs to • Secretary, Ministry of Jal Shakti • Member Secretary, CPCB	Monthly (preferably before 20th of every month)	Noted & Complied
5	Progress Report may be comprised of details along with completion timelines on: (i) Identification of polluting sources including drains contributing to river pollution and action as per NGT order on in-situ treatment		Identification of polluting sources including drains contributing to river pollution is already completed and submitted in the PRS action plan which is already approved by CPCB w.r.t Priority I and II

			In-situ treatment:- Pl. refer point no:-1
	(ii) Status of STPs, I&D and sewerage networks Details of existing infrastructure, gap analysis, proposed along with completion timeline		**Existing infrastructure:** 6 MLD **Gap analysis:** 8 MLD **Proposed :** 23.5 MLD **Completion Timeline :** April-2020
	(iii) Status of CETPs Details of existing CETP and ETP infrastructure, gap analysis, proposed along with completion timeline, no. of industries and complying status		**No. of industries and complying status: - Industries:-** 1430 Industrial Units are there in Jetpur Ind area & Dhareshwar GIDC and 2 CETPs i.e. CETP JDPA (Having domestic & Industrial mixed effluent) & CETP Dhareshwar are there which are disposing final treated effluent for irrigation & plantation. However due to consequences like overflows/broken/choke up /seepage in "C" etc., effluent leads to River Bhadar. CETP Dhareshwar GIDC has upgraded their treatment plant before timeline. To overcome this situation following action are proposed i) **CETP JDPA Modification by means of construction of the collection sump:-** CETP JDPA has constructed new collection sump for mercerizer units at CETP of JDPA for the conveyance of wastewater through road tankers and progress is going on for other collection sump for printing units. ii) **Setting up of New CETP (JDPA-20 MLD) at Derdi, Monpar:**- Design and engineering work in progress. Construction work started (Timeline-Dec-2020) iii) **Shifting of washing ghats:-** Still shifting of washing ghat not done due to treated waste water disposal problems. However, illegal washing Ghats are regularly demolished by joint drive of GPCB, Police dept., Revenue dept. etc. as per High court order iv) **CETP Dhareshwar Modification:**- work completed **v) Deep Sea disposal Pipeline:**- As permanent Solution to this & to eliminate Industrial Footprint from River Sabarmati and Bhadar, Deep sea

			disposal pipeline projects for the State of Gujarat worth Rs. 2147 Cr. have been given approval by State Government.(**Detail is attached as Annexure:- V)**
	(iv) <u>Status of Solid Waste Management & Details of Processing Facilities</u> Details of existing infrastructure, gap analysis, proposed along with completion timeline		5 (iv) Status is attached as **Annexure – I** Jetpur-navagadh Nagarpalika allocated SWM land fill site, DPR prepared and tendering is not done. MRF is installed and operational. (timeline as per RAP:- 31/12/2020)
	(v) Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river		5 (v) Status is attached as **Annexure – II**
	(vi) Preventing dumping of waste and scientific waste management including bio-medical wastes, plastic wastes and decentralizing waste processing, including waste generated from hotels, ashrams etc.		**Bio-Medical Waste:-** Total 101 Nos. of Health Care Unit's are operating in Jetpur and generated Bio Medical Waste is disposing their waste in to the CBWTF of M/s. Distromed Bio Clean Pvt. Ltd. **Industrial Waste:-** Hazardous waste generating units are consented with the authorization under Haz. Waste Management Rules, amended time to time & they are disposing their waste to TSDF/CHWIF/registered recycler under Rule-9/Co-processing and as per consented conditions
	(vii) Ground water regulation		GWRDC has given details about the recently framed draft bill titled "Conservation, Protection, Regulation and Management of Ground Water in Gujarat State" in the meeting held on 04/02/2020 at GPCB with PRS Assessment Team nominated by Ministry of Jal Shakti which is in process and within 3 months to be submitted to the Assembly
	(viii) Adopting good irrigation practices		Details w.r.t point no. 5 (viii), (ix), (x), (xi) given by Irrigation Dept. as on date is attached as **Annexure – III**
	(ix) Protection and management of Flood Plain Zones (FPZ)		
	(x) Rain water harvesting		
	(xi) Maintaining minimum environmental flow of river		

	(xii) Plantation on both sides of the river		Details w.r.t point no. 5 (xii) given by Forest Dept. /PCCF/ACCF/Concerned as on date is attached as **Annexure – IV**
	(xiii) Setting up biodiversity parks on flood plains by removing encroachment		GBB informed during the meeting held on 04/02/2020 at GPCB with PRS Assessment Team nominated by Ministry of Jal Shakti about proposal sent by them to CAMPA for funding of around Rs. 5 crore for the development of Biodiversity Park. Team suggested tying up with AMC as they already have some plan to develop Biodiversity park at Khari under NRCP.

Annexure- I

5 (iv) Status of Solid Waste Management & Details of Processing Facilities:

Type of Waste / Characteristic of Waste	Generated Quantity MTPD	Collection /Storage facility with capacity	Disposal/ Treatment facility with capacity along with location	Total gap with generation and existing treatment facility if any	Proposed action plan/ facility to cover gap	Time limit	Present Status
MSW	@39	Only collection and segregation facility.	At present @ 15 MTPD MSW recycling facility throughout sourcing agency setup. Scientifically landfill site is not developed	@24 MTPD	MSW and other waste dumping site will be developed at S.No. 972/3 derdi Road, Jetpur.	31/ 12/ 2020	Jetpur-navagadh Nagarpalika allocated SWM land fill site, DPR prepared and tendering is not done. MRF is installed and operational.
Total	@ 39	--	15 MTPD	24 MTPD	--	--	--

Annexure-II

5 (v) Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river

Progress/Status Report of the River/PRS water quality monitoring for the Month Jan-20:

Location ID	Name of Location	Parameter					
		DO (mg/l)	pH	BOD (mg/l)	COD (mg/l)	Total coliform (MPN/ 100ml)	Fecal coliform (MPN/100 ml)
31211	Dublipat	0	8.07	42	173	** TC & FC parameters not analyzed due to Renovation work of Rajkot Laboratory	

Progress /Status Report for Ground water quality monitoring pertaining to PRS River:

Location	Sampling date	BOD	COD	TDS	pH
Bore well of P.K.Patel	02/01/2020	1.6	06	550	7.47

Drains Details with Flow:

Sr. No.	Location (Latitude and longitude)	Discharge (MLD)	
		Max	Min
1	Opp. Bhadar Stone Crusher	1.8	0.2
2	Sarang Nallah	1.1	0.1
3	Behind Gondra area	3	1
4	Behind Kabrastan	4	1.5
5	Near railway bridge	0.4	0.05
6	Maghedi Vokda	3	1

Annexure-III

Details w.r.t point no. 5 (viii), (ix), (x), (xi) given by Irrigation Dept. as on date

Sr.No	River name	Details/Status
1	Bhadar	Data/details will be furnished soon

Annexure-IV

Details w.r.t point no. 5 (xii) given by Forest Dept. /PCCF/ACCF/Concerned as on date

Stretch/ River	Existing plantation / vegetation cover details	Proposed plan to cover remaining gap along river/river stretch	Time limit	Remarks
Bhadar	Vegetation Cover is scattered and scanty covered by Thorny trees with Dry deciduous vegetation Prosopios juliflora, Azadirachta aindica About 91% is covered with such scartly vegetation.	Proposed achievable target submitted by APCCF is 25.77 lacs for all the Rivers of Gujarat as per attached details **as Annexure-A**		

Annexure-A

Status on Implementation of Action Plans for Restoration of Identified Polluted River Stretches for ensuring compliance to Hon'ble NGT Orders dated 20.09.2019, 19.12.2019 and 08.04.2019

S. No.	KEY COMPONENTS OF PROPOSED ACTION PLANS FOR RESTORATION OF IDENTIFIED POLLUTED RIVER STRETCHES IN STATEs/UTs	Proposed achievable Target	Proposed Time Targets for compliance	Present Status and or pendency in term of %	Concerned Agency
10	Greenery or plantation on both sides of the river	25.77 (lacs)	-	0%	**F&ED, Social Forestry, PCCF, GSWMA**

સને. ૨૦૧૯-૨૦માં નદી કાંઠે વૃક્ષ વાવેતર માટે જીલ્લાવાર ફાળવેલ લક્ષ્યાંક-સિધ્ધી (રોપા લાખમાં)					
અ.નં	જિલ્લો	વિભાગ	વર્તુળ	વાવેતર કરવાના થતા રોપા	સિધ્ધી (તા. ૩૧.૧૦.૨૦૧૯) અંતિત
૧	અમદાવાદ	અમદાવાદ	અમદાવાદ	૧.૨૫	૧.૨૫
૨	ખેડા	નડીયાદ	અમદાવાદ	૧.૫૦	૧.૫૦
૩	આણંદ	આણંદ	અમદાવાદ	૧.૫૦	૧.૫૦
૪	સુરેન્દ્રનગર	સુરેન્દ્રનગર	અમદાવાદ	૦.૭૫	૦.૪૫
		કુલ અમદાવાદ વર્તુળ		૫.૦૦	૫.૦૦
૫	અરવલ્લી	સાબરકાંઠા(ઉ)	મહેસાણા	૦.૬૦	૦.૩૬
૬	સાબરકાંઠા	સાબરકાંઠા(ઉ)	મહેસાણા	૦.૬૦	૦.૮૪
૭	બનાસકાંઠા	બનાસકાંઠા	મહેસાણા	૧.૦૦	૧.૨૩
૮	મહેસાણા	મહેસાણા	મહેસાણા	૦.૫૦	૦.૬૯
		કુલ મહેસાણા વર્તુળ		૨.૭૦	૩.૧૨
૯	નવસારી	નવસારી	ભરૂચ	૦.૯૦	૦.૯૦
૧૦	વલસાડ	વલસાડ	ભરૂચ	૧.૦૦	૧.૦૧
૧૧	સુરત	સુરત	ભરૂચ	૦.૩૦	૦.૩૦
૧૨	તાપી	સુરત	ભરૂચ	૦.૫૦	૦.૫૦
૧૩	નર્મદા	નર્મદા	ભરૂચ	૧.૦૦	૧.૦૦
૧૪	ભરૂચ	ભરૂચ	ભરૂચ	૧.૮૦	૧.૯૦
		કુલ ભરૂચ વર્તુળ		૫.૫૦	૫.૬૧
૧૫	ગીરસોમનાથ	ગીરસોમનાથ	રાજકોટ	૦.૫૦	૦.૨૯
૧૬	જુનાગઢ	ગીરસોમનાથ	રાજકોટ	૦.૫૦	૦.૨૯
૧૭	રાજકોટ	રાજકોટ	રાજકોટ	૦.૫૦	૦.૨૧
૧૮	મોરબી	રાજકોટ	રાજકોટ	૦.૫૦	૦.૧૧
૧૯	ભાવનગર	બોટાદ	રાજકોટ	૦.૫૦	૦.૩૩
૨૦	બોટાદ	બોટાદ	રાજકોટ	૦.૫૦	૦.૨૬
૨૧	દેવભૂમિ દ્વારકા	દેવભૂમિ દ્વારકા	રાજકોટ	૦.૫૦	૦.૫૦
૨૨	જામનગર	દેવભૂમિ દ્વારકા	રાજકોટ	૦.૫૦	૦.૭૫
૨૩	પોરબંદર	દેવભૂમિ દ્વારકા	રાજકોટ	૦.૫૦	૦.૨૫
૨૪	અમરેલી	અમરેલી	રાજકોટ	૦.૫૦	૦.૫૧
		કુલ રાજકોટ વર્તુળ		૫.૦૦	૫.૦૦
૨૫	વડોદરા	વડોદરા	ગોધરા	૧.૦૦	૦.૭૪
૨૬	છોટાઉદેપુર	વડોદરા	ગોધરા	૦.૫૦	૦.૭૬
૨૭	દાહોદ	દાહોદ	ગોધરા	૨.૦૦	૨.૦૦
૨૮	પંચમહાલ	ગોધરા	ગોધરા	૧.૦૦	૦.૬૨
૨૯	મહીસાગર	ગોધરા	ગોધરા	૧.૦૦	૧.૦૮
		કુલ ગોધરા વર્તુળ		૫.૫૦	૫.૫૦
૩૦	કચ્છ	કચ્છવિ.	કચ્છ	૦.૫૦	૦.૫૦
૩૧	પાટણ	પાટણ	કચ્છ	૦.૫૦	૦.૫૦
		કુલ કચ્છ વર્તુળ		૧.૦૦	૧.૦૦
૩૨	ગાંધીનગર	ગાંધીનગર	ગાંધીનગર	૦.૩૦	૦.૫૪
		કુલ કચ્છ વર્તુળ		૦.૩૦	૦.૫૪
		એકદરે કુલ		૨૫.૦૦	૨૫.૭૭

Annexure-V

Deep Sea Disposal Pipeline for PRS Gujarat

- An unprecedented initiative, deep sea disposal pipeline projects to eliminate Industrial Footprint from River Sabarmati and Bhadar worth Rs. 2147 Crore as stated below have been given approval by State Government vide GR dated 26/11/2019.:
    1. Ahmedabad (Priority I) (300 MLD) (Rs. 1478 Cr.)
    2. Jetpur (Priority I) (80 MLD) (Rs. 669 Cr.)
- For Ahmedabad, 70% contribution of Capex will be from State Government and 30% from industries. For Jetpur, 80% contribution of Capex will be from State Government and 20% from industries. Opex will be entirely borne by the industries.
- State Government has allotted budget of Rs. 500 Cr. for the financial year 2019-2020 for the entire pipeline project.
- Industrial Associations have also deposited their first installment of 10 % of project cost towards capital cost contribution.
- State Government has allotted pipeline projects to Industries & Mines Department and execution of the project will be done by Gujarat Water Infrastructure Ltd (GWIL) as depository work.
- Gujarat Water Infrastructure Ltd (GWIL) has already invited tender for appointing Project management Consultant for execution of the projects.
- DPRs are prepared and are under vetting by Gujarat Water Infrastructure Ltd (GWIL).

National Mission for Clean Ganga

Monthly Progress Report of Gujarat State for Jan-20

(Hon'ble NGT in the matter of OA No.673/2018 dated 06/12/2019)

Sl.No.	Activity to be monitored	Timeline	Submission of Progress by States/UT-Compliance Status
1	Ensure 100% treatment of sewage at least in-situ remediation	31.03.2020	Presently there is no any proposal for in-situ remediation. However, as per the suggestion given by Assessment team during meeting held on 04/02/2020, NEERI, UP Govt., Punjab Gov. etc may be approached by UDD/GUDM/Concerned for technical support in the matter
	Commencement of setting up of STPS and connecting all the drains and other sources of generation of sewage to the STPs must be ensured	31.03.2020	(i)155 MLD STP:- May-2020 (ii) STP of Shankar Bhuvan 25 MLD:-Mar-2020 (iii) STP at Dafnala 25 MLD:- Mar-2021 (iv) STP at Kotarpur 60 MLD:- Mar-2021 (v) STP at Koteshwar 60 MLD by AUDA-Timeline not given. RRC instructed AUDA to submit the same with details action plan without any further delay
2	Timeline for completing all steps of action plans including completion of setting up of STPs and their commissioning	31.03.2021	**STPs:-** (i)155 MLD STP:- May-2020 (ii) STP of Shankar Bhuvan 25 MLD:-Mar-2020 (iii) STP at Dafnala 25 MLD:- Mar-2021 (iv) STP at Kotarpur 60 MLD:- Mar-2021 STP at Koteshwar 60 MLD by AUDA-Timeline not given. RRC instructed AUDA to submit the same with details action plan without any further delay **CETPs:-** **Green Environment Co-Operative So. Ltd., (GECSL)-** Exp^{n} :16 to 35 MLD **(**Dec-2020) **Naroda Enviro Projects Ltd.** **(NEPL)- Exp^{n}:-:-** 3 to 14 MLD (Feb-2020) **Odhav Enviro Projects Ltd.** **(OEPL)- Modification:** - Proposed Spray Dryer (Mar-2020). **Narol Dyestuff Enviro Society (NDES)- Exp^{n}:** - up to 0.45 MLD (Mar-2020) **Narol Textile Integrated Enviro Management (NTIEM)- Exp^{n}** :- 100 to 130 MLD (Mar-2020) **Ahmedabad Hand Screen Printing Association (AHSPA)- New CETP: -** (Dec-2021)

3	Chief Secretaries may set up appropriate monitoring mechanism at State level • Specifying accountability of nodal authorities not below the Secretary Level • Chief Secretaries may have an accountable person attached in their office for this purpose. • Monitoring at State level must take place	22.01.2020 22.01.2020 Fortnightly commencing 21.12.2019	Quarterly RRC meeting held at GPCB, Gandhinagar to review the progress & minutes of the same (having progress status) is regularly submitted to CPCB Reviews of all NGT matters are taken frequently under chairmanship of Hon'ble CS (Last meeting was conducted on 24/12/2019) in matter of O.A. No.:-606/2018
4	Progress report may be furnished by the States/UTs to • Secretary, Ministry of Jal Shakti • Member Secretary, CPCB	Monthly (preferably before 20th of every month)	Noted & Complied
5	Progress Report may be comprised of details along with completion timelines on: (i) Identification of polluting sources including drains contributing to river pollution and action as per NGT order on in-situ treatment		Identification of polluting sources including drains contributing to river pollution is already completed and submitted in the PRS action plan which is already approved by CPCB w.r.t Priority I and II In-situ treatment:- Pl. refer point no:-1
	(ii) <u>Status of STPs, I&D and sewerage networks</u> Details of existing infrastructure, gap analysis, proposed along with completion timeline		**Existing infrastructure:** 855 MLD **Gap analysis:** 25 MLD **Proposed :** 265 MLD as below (i)155 MLD STP, 50% construction completed, May-2020 (ii) STP of Shankar Bhuvan 25 MLD-Trial run started, Mar-2020 (iii) STP at Dafnala 25 MLD, Tender stage, Mar-2021 (iv) STP at Kotarpur 60 MLD, Tender stage, Mar-2021 (v) STP of 60 MLD at Koteshwar (AUDA) :- For the treatment of domestic sewage discharges of Bhat, Koteshwar & nearby other area. Timeline not given. RRC instructed AUDA to submit the same with details action plan without any further delay
	(iii) <u>Status of CETPs</u> Details of existing CETP and ETP infrastructure, gap analysis, proposed along with completion timeline, no. of industries and		**No. of industries:-** 1351. 1066 (CETP member units). Rest 285 (Danilimda-Behrampura) having individual ETPs. 1 New CETP is also proposed at danilimda as below.

	complying status		**Existing CETPs:-** 07 Nos. having Treatment capacity:- 120.88 MLD. Gap in terms of quality of treated effluents is there hence, Up gradation /expansion of CETPs & **Deep Sea disposal Pipeline** are proposed as below.**:-** **Deep Sea disposal Pipeline:-** As permanent Solution to eliminate Industrial Footprint from River Sabarmati and Bhadar, Deep sea disposal pipeline projects for the State of Gujarat worth Rs. 2147 Cr. have been given approval by State Government.(**Detail is attached as Annexure:- V)** **Proposed New/Expansion/upgradation/Modification of CETP:-** CETPs:- **1) New CETP proposed in Danilimda (AHSPA -30 MLD) -** Work order issued (Dec-2021) **2) GECSL Exp$^{n:}$ ^{16} to 35 MLD :-** Tendering for civil work completed. (Dec-2020) **3) NEPL Exp$^{n:-}$:-** 3 to 14 MLD**:-** Modification/up gradation work is completed (Feb-2020) **4) OEPL Modification:** - Proposed Spray Dryer completed by Mar-2020. **5) NDES Exp$^{n:-}$** up to 0.45 MLD :- Up-gradation of CETP units is in progress.(Mar-2020) **6) NTIEM- Exp^{n}** :- 100 to 130 MLD - Preliminary survey of present process is completed .(Mar-2020)
	(iv) <u>Status of Solid Waste Management & Details of Processing Facilities</u> Details of existing infrastructure, gap analysis, proposed along with completion timeline		5 (iv) Status is attached as **Annexure – I**

	(v)	Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river		5 (v) Status is attached **as Annexure – II**
	(vi)	Preventing dumping of waste and scientific waste management including bio-medical wastes, plastic wastes and decentralizing waste processing, including waste generated from hotels, ashrams etc.		**Bio-Medical Waste:-** Total 5083 Nos. of Health Care Unit's are operating in Ahmedabad City and generated Bio Medical Waste is disposed in to the CBWTF of M/s. Care Bio Medical Waste Incinerator, Gandhinagar M/s. E.Coil Waste Management System, Ahmedabad M/s. Pollucare Biomedical Management Pvt. Ltd., Ahmedabad and M/s. Medicare Environmental Management Pvt. Ltd., Ahmedabad. **Industrial Waste:-** Hazardous waste generating units are consented with the authorization under Haz. Waste Management Rules, amended time to time & they are disposing their waste to TSDF/CHWIF/registered recycler under Rule-9/Co-processing and as per consented conditions
	(vii)	Ground water regulation		GWRDC has given details about the recently framed draft bill titled "Conservation, Protection, Regulation and Management of Ground Water in Gujarat State" in the meeting held on 04/02/2020 at GPCB with PRS Assessment Team nominated by Ministry of Jal Shakti which is in process and within 3 months to be submitted to the Assembly
	(viii)	Adopting good irrigation practices		Details w.r.t point no. 5 (viii), (ix), (x), (xi) given by Irrigation Dept. as on date is attached as **Annexure – III**
	(ix)	Protection and management of Flood Plain Zones (FPZ)		
	(x)	Rain water harvesting		
	(xi)	Maintaining minimum environmental flow of river		
	(xii)	Plantation on both sides of the river		Details w.r.t point no. 5 (xii) given by Forest Dept. /PCCF/ACCF/Concerned as on date is attached as **Annexure – IV**

	(xiii) Setting up biodiversity parks on flood plains by removing encroachment		GBB informed during the meeting held on 04/02/2020 at GPCB with PRS Assessment Team nominated by Ministry of Jal Shakti about proposal sent by them to CAMPA for funding of around Rs. 5 crore for the development of Biodiversity Park. Team suggested tying up with AMC as they already have some plan to develop Biodiversity park at Khari under NRCP.

Annexure- I

5 (iv) Status of Solid Waste Management & Details of Processing Facilities:

Types of Waste/ Characteristic of waste	Generated Quantity/ day	Collection /Storage facility with capacity	Disposal/Treatment facility with capacity along with location	Total Gap with generation & existing treatment facilities if any	Proposed Action Plan/Facility to cover gap	Time limit & Budgetary provisions	Present Status
Solid Waste from Residential, commercial units of Ahmedabad	3500 TPD	3500 TPD	2500 TPD 1000 TPD Composting 1000 TPD C & D Waste 100 TPD Plastic waste • 400 TPD MRF	1000 TPD	Work of 2 Nos. Waste to Energy Plants of 1000 TPD each has been started	Power purchase agreement and Land lease agreement done by both the agencies. Plants are expected to commence functioning before end of 2020. **Budgetary provisions:-***	As per information given by representative during meeting held on 04/02/2020 at GPCB, Gandhinagar with PRS assessment team nominated by Ministry of Jalshakti , it will be completed by Dec 2020
Domestic sewage sludge	25 m^3/day	100 m^3/day	Sludge hygienisation plant at Pirana (100 TPD) and AMC gardens	0	Sludge shall be hygeinised at Sludge hygienisation plant and shall be marketed to farmers/nurseries	March 2019	Capacity to hygienise 100 tons of dry sewage sludge plant is operationalized and commercial production has commenced. The plant was inaugurated on March 2019.

* Budgetary Provision: - These plants are on PPP mode and all involved infrastructure shall be developed by agencies. AMC will give the differential amount as per below mentioned rate to GUVNL as approved by Standing Committee resolution.

For Mass - Incineration based plant	For RDF based plant
Rate as per GERC - Rs.7.03 kWh Tarrif given by GUVNL - Rs.6.31 kWh AMC will give - Rs. 0.72 kWh	Rate as per GERC - Rs.7.07 kWh Tarrif given by GUVNL - Rs.6.31 kWh AMC will give - Rs. 0.76 kWh

Annexure-II

5 (v) Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river

Progress/Status Report of the River/PRS water quality monitoring for Jan-20:

Sr No	River Sabarmati at	PH	COD (mg/l)	BOD (mg/l)	DO (mg/l)	TC (MPN)	FC (MPN)
1.	**Kheroj**	7.27	0	1.2	4.26	120	46
2.	**Mahudi**	Sample is not collected as no flow observed					
3.	**Chiloda**						
4.	**Hansol Bridge**	8.01	18	1.94	7.75	280	33
5.	**Railway Bridge**	8.13	20	2.5	7.6	280	33
6.	**V N Bridge**	7.04	360	145	BDL	1300	630
7.	**Miroli**	7.28	214	76	BDL	630	5400
8.	**Vautha**	7.49	106	20	BDL	1700	460

Progress /Status Report for Ground water quality monitoring pertaining to PRS River (Jan-20) :

Sr No	Bore wells	pH	BOD(mg/l)	COD(mg/l)	TDS(mg/l)
1.	**Gandhi Ashram**, Ahmedabad	8.54	0.71	6	868
2.	**Jain Temple**, Ahmedabad (Half yearly)	8.33	0.63	5	592
3.	**P T College**, Ahmedabad	8.07	0.67	--	326
4.	**Pirana Pumping Station**, Ahmedabad (Half Yearly)	7.58	0.6	10	1446
5.	**Gyaspur Nr.MSW Site**, Ahmedabad	7.41	0.64	9	2234
6.	**Ajmeri Farm**, Ahmedabad	7.61	0.53	11	1670
7.	**Excel Industries**, Ahmedabad	7.7	0.74	11	1492
8.	**UPL Djl**, Ahmedabad	7.17	0.89	10	2512
9.	**Miroli Pumping Station**, Ahmedabad	7.84	0.76	9	986
10.	**Naklang Mahadev**, Ahmedabad	7.75	0.90	6	1410
11.	**Paldi-Kankaj**, Ahmedabad	7.29	0.91	6	1210
12.	**GIDC Naroda**, Ahmedabad	7.33	0.96	11	806
13.	**GIDC-Vatva**, Ahmedabad	7.92	0.89	9	1196
14.	**GIDC-GVMM**, Ahmedabad	7.85	1.8	9	954
15.	**GIDC-Odhav**, Ahmedabad	7.38	0.88	7	968
16.	**Narol,** Ahmedabad (*closed)	-	-	-	-

Drains with flow details:
Total No of drains:- 11
Major Drains:

- Outfall of old city area, danilimda (D/S of Vasna Barrage)
- AMC storm water drain (Danilimda)-30 MLD
- Pumping Station 76 MLD (Old Vasna area)
- Pumping Station 182 MLD (Old Pirana area)
- Outfall of new city area, Vasna ((D/S of Vasna Barrage)
- Domestic waste water discharged at Wagha Kotar, Sukhadeshwar Pumping station, Pethapur Nagarpalika, flow-55.3 MLD
- Domestic waste water discharged through natural drain nala, Village – Koteshwar, flow- 0.73 MLD
- Domestic waste water discharged through through underground pipeline at Bank of River Sabarmati near Indira Bridge, Vill – Bhat, flow- 0.06 MLD
- Domestic waste water discharged through underground pipeline at Bank of River Sabarmati near Indira Bridge, Village – Bhat, flow-2.16 MLD
- Domestic waste water discharged from outfall of AUDA line, Village Nana Chiloda, flow-0.43 MLD
- Domestic waste water discharged from outfall of Village Nana Chiloda, Flow-6.48 MLD

Annexure-III

Details w.r.t point no. 5 (viii), (ix), (x), (xi) given by Irrigation Dept. as on date

Sr.No	River name	Details/Status
1	Sabarmati	Data/details will be furnished soon

Annexure-IV

Details w.r.t point no. 5 (xii) given by Forest Dept. /PCCF/ACCF/Concerned as on date

Stretch/ River	**Existing plantation / vegetation cover details**	**Proposed plan to cover remaining gap along river/river stretch**	**Time limit**	**Remarks**
Sabarmati , Khari	25,000 Plants were planted along the Sabarmati and Meshwo river in the areas available under the Vanmahotsav and other Schemes of the forest Department with the co-operation of local People.	Proposed achievable target submitted by APCCF is 25.77 lacs for all the Rivers of Gujarat as per attached details **as Annexure-A**		

Annexure-A

Status on Implementation of Action Plans for Restoration of Identified Polluted River Stretches for ensuring compliance to Hon'ble NGT Orders dated 20.09.2019, 19.12.2019 and 08.04.2019

S. No.	KEY COMPONENTS OF PROPOSED ACTION PLANS FOR RESTORATION OF IDENTIFIED POLLUTED RIVER STRETCHES IN STATEs/UTs	Proposed achievable Target	Proposed Time Targets for compliance	Present Status and or pendency in term of %	Concerned Agency
10	Greenery or plantation on both sides of the river	25.77 (lacs)	-	0%	**F&ED, Social Forestry, PCCF, GSWMA**

સને. ૨૦૧૯-૨૦માં નદી કાંઠે વૃક્ષ વાવેતર માટે જીલ્લાવાર ફાળવેલ લક્ષ્યાંક-સિધ્ધી (રોપા લાખમાં)					
અ.નં	જિલ્લો	વિભાગ	વર્તુળ	વાવેતર કરવાના થતા રોપા	સિધ્ધી (તા. ૩૧.૧૦.૨૦૧૯) અંતિત
૧	અમદાવાદ	અમદાવાદ	અમદાવાદ	૧.૨૫	૧.૨૫
૨	ખેડા	નડીયાદ	અમદાવાદ	૧.૫૦	૧.૫૦
૩	આણંદ	આણંદ	અમદાવાદ	૧.૫૦	૧.૫૦
૪	સુરેન્દ્રનગર	સુરેન્દ્રનગર	અમદાવાદ	૦.૭૫	૦.૪૫
	કુલ અમદાવાદ વર્તુળ			૫.૦૦	૫.૦૦
૫	અરવલ્લી	સાબરકાંઠા(ઉ)	મહેસાણા	૦.૬૦	૦.૩૬
૬	સાબરકાંઠા	સાબરકાંઠા(ઉ)	મહેસાણા	૦.૬૦	૦.૮૪
૭	બનાસકાંઠા	બનાસકાંઠા	મહેસાણા	૧.૦૦	૧.૨૩
૮	મહેસાણા	મહેસાણા	મહેસાણા	૦.૫૦	૦.૬૯
	કુલ મહેસાણા વર્તુળ			૨.૭૦	૩.૧૨
૯	નવસારી	નવસારી	ભરૂચ	૦.૯૦	૦.૯૦
૧૦	વલસાડ	વલસાડ	ભરૂચ	૧.૦૦	૧.૦૧
૧૧	સુરત	સુરત	ભરૂચ	૦.૩૦	૦.૩૦
૧૨	તાપી	સુરત	ભરૂચ	૦.૫૦	૦.૫૦
૧૩	નર્મદા	નર્મદા	ભરૂચ	૧.૦૦	૧.૦૦
૧૪	ભરૂચ	ભરૂચ	ભરૂચ	૧.૮૦	૧.૯૦
	કુલ ભરૂચ વર્તુળ			૫.૫૦	૫.૬૧
૧૫	ગીરસોમનાથ	ગીરસોમનાથ	રાજકોટ	૦.૫૦	૦.૨૯
૧૬	જુનાગઢ	ગીરસોમનાથ	રાજકોટ	૦.૫૦	૦.૨૯
૧૭	રાજકોટ	રાજકોટ	રાજકોટ	૦.૫૦	૦.૨૧
૧૮	મોરબી	રાજકોટ	રાજકોટ	૦.૫૦	૦.૧૧
૧૯	ભાવનગર	બોટાદ	રાજકોટ	૦.૫૦	૦.૩૩
૨૦	બોટાદ	બોટાદ	રાજકોટ	૦.૫૦	૦.૨૬
૨૧	દેવભૂમિ દ્વારકા	દેવભૂમિ દ્વારકા	રાજકોટ	૦.૫૦	૦.૫૦
૨૨	જામનગર	દેવભૂમિ દ્વારકા	રાજકોટ	૦.૫૦	૦.૭૫
૨૩	પોરબંદર	દેવભૂમિ દ્વારકા	રાજકોટ	૦.૫૦	૦.૨૫
૨૪	અમરેલી	અમરેલી	રાજકોટ	૦.૫૦	૦.૫૧
	કુલ રાજકોટ વર્તુળ			૫.૦૦	૫.૦૦
૨૫	વડોદરા	વડોદરા	ગોધરા	૧.૦૦	૦.૭૪
૨૬	છોટાઉદેપુર	વડોદરા	ગોધરા	૦.૫૦	૦.૭૬
૨૭	દાહોદ	દાહોદ	ગોધરા	૨.૦૦	૨.૦૦
૨૮	પંચમહાલ	ગોધરા	ગોધરા	૧.૦૦	૦.૬૨
૨૯	મહીસાગર	ગોધરા	ગોધરા	૧.૦૦	૧.૦૮
	કુલ ગોધરા વર્તુળ			૫.૫૦	૫.૫૦
૩૦	કચ્છ	કચ્છવિ.	કચ્છ	૦.૫૦	૦.૫૦
૩૧	પાટણ	પાટણ	કચ્છ	૦.૫૦	૦.૫૦
	કુલ કચ્છ વર્તુળ			૧.૦૦	૧.૦૦
૩૨	ગાંધીનગર	ગાંધીનગર	ગાંધીનગર	૦.૩૦	૦.૫૪
	કુલ કચ્છ વર્તુળ			૦.૩૦	૦.૫૪
	એકદરે કુલ			૨૫.૦૦	૨૫.૭૭

Annexure-V

Deep Sea Disposal Pipeline for PRS Gujarat

- An unprecedented initiative, deep sea disposal pipeline projects to eliminate Industrial Footprint from River Sabarmati and Bhadar worth Rs. 2147 Crore as stated below have been given approval by State Government vide GR dated 26/11/2019.:
    1. Ahmedabad (Priority I) (300 MLD) (Rs. 1478 Cr.)
    2. Jetpur (Priority I) (80 MLD) (Rs. 669 Cr.)
- For Ahmedabad, 70% contribution of Capex will be from State Government and 30% from industries. For Jetpur, 80% contribution of Capex will be from State Government and 20% from industries. Opex will be entirely borne by the industries.
- State Government has allotted budget of Rs. 500 Cr. for the financial year 2019-2020 for the entire pipeline project.
- Industrial Associations have also deposited their first installment of 10 % of project cost towards capital cost contribution.
- State Government has allotted pipeline projects to Industries & Mines Department and execution of the project will be done by Gujarat Water Infrastructure Ltd (GWIL) as depository work.
- Gujarat Water Infrastructure Ltd (GWIL) has already invited tender for appointing Project management Consultant for execution of the projects.
- DPRs are prepared and are under vetting by Gujarat Water Infrastructure Ltd (GWIL).

National Mission for Clean Ganga
Monthly Progress Report of Gujarat State for Jan-20
(Hon'ble NGT in the matter of OA No.673/2018 dated 06/12/2019)

Sl.No.	Activity to be monitored	Timeline	Submission of Progress by States/UT-Compliance Status
1	Ensure 100% treatment of sewage at least in-situ remediation	31.03.2020	Presently there is no any proposal for in-situ remediation. However, as per the suggestion given by Assessment team during meeting held on 04/02/2020, NEERI, UP Govt., Punjab Gov. etc may be approached by UDD/GUDM/Concerned for technical support in the matter
	Commencement of setting up of STPS and connecting all the drains and other sources of generation of sewage to the STPs must be ensured	31.03.2020	1. Kapurai (new) (STP + Network):- Dec-2020 2.Sayaji garden:- Mar-2021 3. Channi (new-50 MLD) (STP + Network)- Dec-21 4. Atladara (new 24 MLD)- Dec-22 5. Tarsali / GIDC (new 20 MLD) (STP + Network):- Dec-23
2	Timeline for completing all steps of action plans including completion of setting up of STPs and their commissioning	31.03.2021	
3	Chief Secretaries may set up appropriate monitoring mechanism at State level • Specifying accountability of nodal authorities not below the Secretary Level • Chief Secretaries may have an accountable person attached in their office for this purpose. • Monitoring at State level must take place	22.01.2020 22.01.2020 Fortnightly commencing 21.12.2019	Quarterly RRC meeting held at GPCB, Gandhinagar to review the progress & minutes of the same (having progress status) is regularly submitted to CPCB Reviews of all NGT matters are taken frequently under chairmanship of Hon'ble CS (Last meeting was conducted on 24/12/2019) in matter of O.A. No.:-606/2018
4	Progress report may be furnished by the States/UTs to • Secretary, Ministry of Jal Shakti • Member Secretary, CPCB	Monthly (preferably before 20th of every month)	Noted & Complied
5	Progress Report may be comprised of details along with completion timelines on: (i) Identification of polluting sources including drains contributing to river pollution and action as per NGT order on in-situ treatment		Identification of polluting sources including drains contributing to river pollution is already completed and submitted in the PRS action plan which is already approved by CPCB w.r.t Priority I and II In-situ treatment:- Pl. refer point no:-1

<table>
<tr>
<td></td>
<td>(ii) <u>Status of STPs, I&D and sewerage networks</u>
Details of existing infrastructure, gap analysis, proposed along with completion timeline</td>
<td></td>
<td>Existing infrastructure: 354.5 MLD
Gap analysis: 114 MLD
Proposed : 161.5 MLD
Completion Timeline: Dec-23 as mentioned below
<table>
<tr><th>STP</th><th>Present Status</th><th>TimeLine</th></tr>
<tr><td>Kapurai (new 60 MLD) (STP + Network)</td><td>90% work of STP is completed.</td><td>Dec-2020</td></tr>
<tr><td>Sayaji garden (7.5 MLD)</td><td>4%. Engineering work is completed</td><td>Mar-2021</td></tr>
<tr><td>Channi (new 50 MLD) (STP + Network)</td><td>5%</td><td>Dec-2021</td></tr>
<tr><td>Atladara (new 24 MLD)</td><td>DPR is under progress and tender</td><td>Dec-2022</td></tr>
<tr><td>Tarsali / GIDC (new 20 MLD) (STP + Network)</td><td>DPR under preparation.</td><td>Dec-2023</td></tr>
</table>
</td>
</tr>
<tr>
<td></td>
<td>(iii) <u>Status of CETPs</u>
Details of existing CETP and ETP infrastructure, gap analysis, proposed along with completion timeline, no. of industries and complying status</td>
<td></td>
<td>There is no direct discharge of industrial effluent into river Vishwamitri.</td>
</tr>
<tr>
<td></td>
<td>(iv) <u>Status of Solid Waste Management & Details of Processing Facilities</u>
Details of existing infrastructure, gap analysis, proposed along with completion timeline</td>
<td></td>
<td>5 (iv) Status is attached as Annexure – I</td>
</tr>
<tr>
<td></td>
<td>(v) Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river</td>
<td></td>
<td>5 (v) Status is attached as Annexure – II</td>
</tr>
</table>

	(vi) Preventing dumping of waste and scientific waste management including bio-medical wastes, plastic wastes and decentralizing waste processing, including waste generated from hotels, ashrams etc.		**Bio-Medical Waste:-** There are total 2318 # of HCUs (Health Care Units) located in the Vadodara. & disposal of Bio Medical Waste of which is being taken care of by a common facility Quantum Environment Engineers having capacity of 8 MT/Day. **Industrial Waste:-** Hazardous waste generating units are consented with the authorization under Haz. Waste Management Rules, amended time to time & they are disposing their waste to TSDF/CHWIF/registered recycler under Rule-9/Co-processing and as per consented conditions
	(vii) Ground water regulation		GWRDC has given details about the recently framed draft bill titled "Conservation, Protection, Regulation and Management of Ground Water in Gujarat State" in the meeting held on 04/02/2020 at GPCB with PRS Assessment Team nominated by Ministry of Jal Shakti which is in process and within 3 months to be submitted to the Assembly
	(viii) Adopting good irrigation practices		Details w.r.t point no. 5 (viii), (ix), (x), (xi) given by Irrigation Dept. as on date is attached as **Annexure – III**
	(ix) Protection and management of Flood Plain Zones (FPZ)		
	(x) Rain water harvesting		
	(xi) Maintaining minimum environmental flow of river		
	(xii) Plantation on both sides of the river		Details w.r.t point no. 5 (xii) given by Forest Dept. /PCCF/ACCF/Concerned as on date is attached as **Annexure – IV**
	(xiii) Setting up biodiversity parks on flood plains by removing encroachment		Attached as **Annexure – V**. GBB informed during the meeting held on 04/02/2020 at GPCB with PRS Assessment Team nominated by Ministry of Jal Shakti about proposal sent by them to CAMPA for funding of around Rs. 5 crore for the development of Biodiversity Park. Team suggested tying up with AMC as they already have some plan to develop Biodiversity park at Khari under NRCP.

Annexure- I

5 (iv) Status of Solid Waste Management & Details of Processing Facilities:

Types of Waste/ Characteristic of waste	Generated Quantity MT/day	Collection/ Storage facility with capacity	Disposal/Treatment facility with capacity along with location	Total Gap with generation & existing treatment facilities if any	Proposed action plan /facility to cover gap	Time limit
MSW						
Total	1050	100 % Door to Door Collection	As mentioned below	0	NA	NA
• 1050 TPD Waste to Energy Preprocessing plant at R.S.No.346, Makarpura, • Secured Scientific landfill Phase – 1, Capacity 4 lac MT operational since June 2010 at R. S. 346, Makarpura. • 15 TPD Biomethanation Plant Voragmadi, • 5 TPD Biomethanation plant Gajarwadi, • 100 KG OWC at Ratri Bajar & Sayajibag, (OWC : Organic Waste Converter) • 500 KG OWC at Khanderav Market, Akota atithigruh, indrapuri atithi gruh, Nizammpura Atithigruh & 22 Nos. of 100 ltr. Capacity mulching drum at Bulk waste generator & RWA (Residential Welfare Association) • MRF Facility : Atladara : 50 TPD, Near VUDA Office : 20 TPD, Gadheda Market : 10 TPD (MRF : Material Recovery Facility)						
(Source : VMC)						

EXISTING TREATMENT FACILITIES

S.No	Type of Project	Funded through SBM (U)	Waste Input Capacity (TPD)	Actual Waste processed (TPD)	Production Capacity (TPD/MW/M³)	Actual Production (TPD/MW/M³)	Remarks
1	Biomethanation-For Hotel Kitchen Waste Voragamadi	NO-PPP	15	15	Compost- 1.5 TPD Biogas- 1000 m3	Compost- 1.5 TPD Biogas- 1000 m3	Operational
2.	Biomethanation-For Carcass+ Organic Waste Gajarawadi	NO-BOOT	5	5	Biogas-300m3	Biogas-300m3	Operational
3.	Waste to Compost (Organic waste Converter Machine)	No-CSR	2.2	2.2	Compost-0.275 TPD	Compost-0.275 TPD	Operational
4	Dumpsite Bio-Remediation (Legacy Waste at Atladara)	SBM Capping & social Upliftment component	1000 TPD-Total 3.0 Lakh MT	Avg.1000	Compost- 600 TPD RDF-200 TPD	Compost- 600 TPD RDF-200 TPD	Operational from 16/7/2018,Total 3.00 lakh MT, legacy waste remediated and 17 acres of land was reclaimed
5	Waste to Energy as per SWM Rules 2016 and Gujarat W2E Policy-2016	PPP	1000	700	Compost- 100 TPD RDF-200 TPD	Compost- 100 TPD RDF-200 TPD	Pre Processing Operational from 2/11/2018
6	Plastic Waste Recycling	NO	50 TPD	50 TPD	50 TPD	Loi issued to M/s Eco vision pvt. Ltd., surat	Plastic Wast Collection & recycling strated from 5th june,2019 till date 59.83 MT Plastic recycled
7	Construction and Demolition Waste Processing	NO	50TPD	50 TPD	50 TPD	VMC published Notification for Construction & Demolition waste as per the Construction & Demolition waste Management Rules-2016. The sites : (1) R.S. No.346, Makarpura, (2)R.S. No.-585,586, Atladra	
8	Material Recovery Facility	NO	55 TPD	55 TPD	55 TPD	The Sites for MRF : (1) ATLADRA-30 TPD, (2)VUDA-15 TPD, (3) GHADHEDA MARKET-10 TPD	

Annexure-II

5 (v) Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river

Progress/Status Report of the River/PRS water quality Monitoring:

Sample ID and Date	Sampling Point	Type	pH	COD	BOD	DOX	FCO	TCO
273657-04/01/2020	RIVER VISHWAMITRI AT ASOD	ROU	7.96	4	0.71	6.9	12	63
273647-04/01/2020	RIVER VISHWAMITRI AT KHALIPUR	ROU	7.7	81	19	BDL	>1600	>1600

Progress /Status Report for Ground water quality monitoring pertaining to PRS River:

Sample ID and Date	Sampling Point	pH	COD	BOD	TDS
273620-06/01/2020	WATER PROJECT RAP BOREWELL AT HANUMAN TEMPLE ATLADRA	7.74	4	0.55	1246
273653-06/01/2020	WATER PROJECT RAP BOREWELL AT KAMATIBAUG	7.55	4	0.47	886

Drain details with flow:

Sr. No.	Location	Name of Inletting Drain	Flow in MLD
1	Nr. New Sama Bridge	Cygnus School – Krishna Party Plot Drain	0.972
2	Parth School	Bharwadwas	1.440
3	Behind VUDA Bldg.	-	1.500
4	Behind Sayaji Soc.	Sayaji Soc.Drain	1.944

5	Bahucharaji Kirti Tower	Various Tributaries at different Locations	11.127
6	Bhimnath Bridge	Parshuram Bhatta	1.35
7	B/H Jail Court	Jail & Court Compund Drain	0.305
8	Nr. Akota Dandia Barzar Bridge	-	0.00
9	Nr. Urmi School	Overflow of Sama Lake	2.333
10	Bharwadwas Sama	GIPCL Circle Drain	3.840
11	Nr. Narhari Bridge	-	2.092
12	Planatorium	Various Tributaries at different Locations in Bhukhi Kaans	14.959
13	Nr.Darshanam (Parshuram nagar Soc.)	Parshuram Bhatta	2.218
14	Nr. Akota Dandia Barzar Bridge	-	1.037
15	B/h. Akota Village	Akota Village	0.47
16	Nr. Ratri Bazar	VIP road drain	2.312
17	Urmi Bridge	Sama Lake Char Rasta	2.197
18	Bharwadwas	Kamatipura Area	2.00
19	Opp. Agora Mall	Navrachana School – GIPCL Circle	1.128
20	Opp. Ratri Bazar	EME Campus	0.00
21	Munjmahuda Bridge	Western part of Munjmahuda	8.156
22	Kalali B/H BSUP	Kalali Village	1.620
23	B/H Dental Colledge	-	1.00
TOTAL			**64**

Annexure – III

Details w.r.t point no. 5 (viii), (ix), (x), (xi) given by Irrigation Dept. as on date

Sr.No	River name	Details/Status
1	Vishwamitri	Data/details will be furnished soon

Annexure – IV

Details w.r.t point no. 5 (xii) given by Forest Dept. /PCCF/ACCF/Concerned as on date

Stretch/river	**Existing plantation/ vegetation cover details**	**Proposed plan to cover remaining gap along river /river stretch**	**Time limit**	**Remarks**
Vadodara city limit Vishwamitri river	80%	20%	Year 2022	Proposed achievable target submitted by APCCF is 25.77 lacs for all the Rivers of Gujarat as per attached details **as Annexure-A**
Remarks : Sayajibaug, M.S.U. Campus and Rajmahal (Palace) has a dense green cover along the bank of river vishwamitri. Largely the entire stretch of vishwamitri River is covered with natural vegetation. There is a rich biodivertsity along the river which includes wide variety of flora and fauna.				

Stretch/river	**Existing plantation/vegetation cover details**	**Proposed plan to cover remaining gap along river /river stretch**	**Time limit**	**Remarks**
Vishwamitri	Existing sparse vegetation covered by Propopis juliflora & Caparis aphylla and other shrubs.	Proposed achievable target submitted by APCCF is 25.77 lacs for all the Rivers of Gujarat as per attached details **as Annexure-A**		

Source:- Social Forestry wing., Aranya Bhavan, Gandhinagar

Annexure-A

Status on Implementation of Action Plans for Restoration of Identified Polluted River Stretches for ensuring compliance to Hon'ble NGT Orders dated 20.09.2019, 19.12.2019 and 08.04.2019

S. No.	KEY COMPONENTS OF PROPOSED ACTION PLANS FOR RESTORATION OF IDENTIFIED POLLUTED RIVER STRETCHES IN STATEs/UTs	Proposed achievable Target	Proposed Time Targets for compliance	Present Status and or pendency in term of %	Concerned Agency
10	Greenery or plantation on both sides of the river	25.77 (lacs)	-	0%	**F&ED, Social Forestry, PCCF, GSWMA**

સને. ૨૦૧૯-૨૦માં નદી કાંઠે વૃક્ષ વાવેતર માટે જીલ્લાવાર ફાળવેલ લક્ષ્યાંક-સિધ્ધી (રોપા લાખમાં)					
અ.નં	જિલ્લો	વિભાગ	વર્તુળ	વાવેતર કરવાના થતા રોપા	સિધ્ધી (તા. ૩૧.૧૦.૨૦૧૯) અંતિત
૧	અમદાવાદ	અમદાવાદ	અમદાવાદ	૧.૨૫	૧.૨૫
૨	ખેડા	નડીયાદ	અમદાવાદ	૧.૫૦	૧.૫૦
૩	આણંદ	આણંદ	અમદાવાદ	૧.૫૦	૧.૫૦
૪	સુરેન્દ્રનગર	સુરેન્દ્રનગર	અમદાવાદ	૦.૭૫	૦.૪૫
		કુલ અમદાવાદ વર્તુળ		૫.૦૦	૫.૦૦
૫	અરવલ્લી	સાબરકાંઠા(ઉ)	મહેસાણા	૦.૬૦	૦.૩૬
૬	સાબરકાંઠા	સાબરકાંઠા(ઉ)	મહેસાણા	૦.૬૦	૦.૮૪
૭	બનાસકાંઠા	બનાસકાંઠા	મહેસાણા	૧.૦૦	૧.૨૩
૮	મહેસાણા	મહેસાણા	મહેસાણા	૦.૫૦	૦.૬૯
		કુલ મહેસાણા વર્તુળ		૨.૭૦	૩.૧૨
૯	નવસારી	નવસારી	ભરૂચ	૦.૯૦	૦.૯૦
૧૦	વલસાડ	વલસાડ	ભરૂચ	૧.૦૦	૧.૦૧
૧૧	સુરત	સુરત	ભરૂચ	૦.૩૦	૦.૩૦
૧૨	તાપી	સુરત	ભરૂચ	૦.૫૦	૦.૫૦
૧૩	નર્મદા	નર્મદા	ભરૂચ	૧.૦૦	૧.૦૦
૧૪	ભરૂચ	ભરૂચ	ભરૂચ	૧.૮૦	૧.૯૦
		કુલ ભરૂચ વર્તુળ		૫.૫૦	૫.૬૧
૧૫	ગીરસોમનાથ	ગીરસોમનાથ	રાજકોટ	૦.૫૦	૦.૨૯
૧૬	જુનાગઢ	ગીરસોમનાથ	રાજકોટ	૦.૫૦	૦.૨૯
૧૭	રાજકોટ	રાજકોટ	રાજકોટ	૦.૫૦	૦.૨૧
૧૮	મોરબી	રાજકોટ	રાજકોટ	૦.૫૦	૦.૧૧
૧૯	ભાવનગર	બોટાદ	રાજકોટ	૦.૫૦	૦.૩૩
૨૦	બોટાદ	બોટાદ	રાજકોટ	૦.૫૦	૦.૨૬
૨૧	દેવભૂમિ દ્વારકા	દેવભૂમિ દ્વારકા	રાજકોટ	૦.૫૦	૦.૫૦
૨૨	જામનગર	દેવભૂમિ દ્વારકા	રાજકોટ	૦.૫૦	૦.૭૫
૨૩	પોરબંદર	દેવભૂમિ દ્વારકા	રાજકોટ	૦.૫૦	૦.૨૫
૨૪	અમરેલી	અમરેલી	રાજકોટ	૦.૫૦	૦.૫૧
		કુલ રાજકોટ વર્તુળ		૫.૦૦	૫.૦૦
૨૫	વડોદરા	વડોદરા	ગોધરા	૧.૦૦	૦.૭૪
૨૬	છોટાઉદેપુર	વડોદરા	ગોધરા	૦.૫૦	૦.૭૬
૨૭	દાહોદ	દાહોદ	ગોધરા	૨.૦૦	૨.૦૦
૨૮	પંચમહાલ	ગોધરા	ગોધરા	૧.૦૦	૦.૯૨
૨૯	મહીસાગર	ગોધરા	ગોધરા	૧.૦૦	૧.૦૮
		કુલ ગોધરા વર્તુળ		૫.૫૦	૫.૫૦
૩૦	કચ્છ	કચ્છવિ.	કચ્છ	૦.૫૦	૦.૫૦
૩૧	પાટણ	પાટણ	કચ્છ	૦.૫૦	૦.૫૦
		કુલ કચ્છ વર્તુળ		૧.૦૦	૧.૦૦
૩૨	ગાંધીનગર	ગાંધીનગર	ગાંધીનગર	૦.૩૦	૦.૫૪
		કુલ કચ્છ વર્તુળ		૦.૩૦	૦.૫૪
		એકદરે કુલ		૨૫.૦૦	૨૫.૭૭

Annexure – V

Biodiversity Park

District/Area Name	Existing Biodiversity park Name	Total area of Biodiversity park	Proposed Biodiversity park	Time Limit	Remarks
Vadodara city	Sayajibaug	100 Acre	Near Govindnagar	3 Years	
Vadodara city	Vadsar	7.4 Acre	-----	----	
Source : Parks & Garden Department – VMC					
	Nil				
Source:- Social Forestry wing., Aranya Bhavan, Gandhinagar					

National Mission for Clean Ganga

Monthly Progress Report of Gujarat State for Jan-20

(Hon'ble NGT in the matter of OA No.673/2018 dated 06/12/2019)

Sl.No.	Activity to be monitored	Timeline	Submission of Progress by States/UT-Compliance Status
1	Ensure 100% treatment of sewage at least in-situ remediation	31.03.2020	Presently there is no any proposal for in-situ remediation. However, as per the suggestion given by Assessment team during meeting held on 04/02/2020, NEERI, UP Govt., Punjab Gov. etc may be approached by UDD/GUDM/Concerned for technical support in the matter
	Commencement of setting up of STPS and connecting all the drains and other sources of generation of sewage to the STPs must be ensured	31.03.2020	Surendranagar (32.3 MLD STP) - Work completed (100%) Vadhwan 12.1 MLD STP :- Might be completed by March-2021
2	Timeline for completing all steps of action plans including completion of setting up of STPs and their commissioning	31.03.2021	Surendranagar (32.3 MLD STP) - Work completed (100%) Vadhwan 12.1 MLD STP - Might be completed by March-2021
3	Chief Secretaries may set up appropriate monitoring mechanism at State level • Specifying accountability of nodal authorities not below the Secretary Level • Chief Secretaries may have an accountable person attached in their office for this purpose. • Monitoring at State level must take place	22.01.2020 22.01.2020 Fortnightly commencing 21.12.2019	Quarterly RRC meeting held at GPCB, Gandhinagar to review the progress & minutes of the same (having progress status) is regularly submitted to CPCB Reviews of all NGT matters are taken frequently under chairmanship of Hon'ble CS (Last meeting was conducted on 24/12/2019) in matter of O.A. No.:-606/2018
4	Progress report may be furnished by the States/UTs to • Secretary, Ministry of Jal Shakti • Member Secretary, CPCB	Monthly (preferably before 20th of every month)	Noted & Complied
5	Progress Report may be comprised of details along with completion timelines on: (i) Identification of polluting sources including drains contributing to river pollution and action as per NGT order on in-situ treatment		Identification of polluting sources including drains contributing to river pollution is already completed and submitted in the PRS action plan which is already approved by CPCB w.r.t Priority I and II In-situ treatment:- Pl. refer point no:-1

	(ii) <u>Status of STPs, I&D and sewerage networks</u> Details of existing infrastructure, gap analysis, proposed along with completion timeline		**Existing infrastructure:** --- **Gap analysis:** 15 MLD **Proposed :** 44.4 MLD **Completion Timeline :** March-2021 **Surendranagar (32.3 MLD STP)** - Work completed (100%) **Wadhwan 12.1 MLD STP** - Work could not start due to land problem. It will be sorted out shortly as per the information given by UDD and might be completed by March-2021
	(iii) <u>Status of CETPs</u> Details of existing CETP and ETP infrastructure, gap analysis, proposed along with completion timeline, no. of industries and complying status		Not applicable as there is no any CETP in the region of Surendranagar and there is no industrial effluent discharge in the Bhogavo river
	(iv) <u>Status of Solid Waste Management & Details of Processing Facilities</u> Details of existing infrastructure, gap analysis, proposed along with completion timeline		5 (iv) Status is attached as **Annexure – I**
	(v) Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river		5 (v) Status is attached as **Annexure – II**
	(vi) Preventing dumping of waste and scientific waste management including bio-medical wastes, plastic wastes and decentralizing waste processing, including waste generated from hotels, ashrams etc.		**Bio-Medical Waste:-** In surendranagar region @ 381 HCU are registered and all are member of two CBMWTF i.e E coli Waste management Pvt. Ltd, Sanand, Dist. Ahmedabadand & Distromed Bio Clean Pvt. Ltd. Kuvadava GIDC, Dist. Rajkot and regularly sending their waste **Industrial Waste:-** Hazardous waste generating units are consented with the authorization under Haz. Waste Management Rules, amended time to time & they are disposing their waste to TSDF/CHWIF/registered recycler under Rule-9/Co-processing and as per consented conditions
	(vii) Ground water regulation		GWRDC has given details about the recently

			framed draft bill titled "Conservation, Protection, Regulation and Management of Ground Water in Gujarat State" in the meeting held on 04/02/2020 at GPCB with PRS Assessment Team nominated by Ministry of Jal Shakti which is in process and within 3 months to be submitted to the Assembly
	(viii) Adopting good irrigation practices		Details w.r.t point no. 5 (viii), (ix), (x), (xi) given by Irrigation Dept. as on date is attached as **Annexure – III**
	(ix) Protection and management of Flood Plain Zones (FPZ)		
	(x) Rain water harvesting		
	(xi) Maintaining minimum environmental flow of river		
	(xii) Plantation on both sides of the river		Details w.r.t point no. 5 (xii) given by Forest Dept. /PCCF/ACCF/Concerned as on date is attached as **Annexure – IV**
	(xiii) Setting up biodiversity parks on flood plains by removing encroachment		GBB informed during the meeting held on 04/02/2020 at GPCB with PRS Assessment Team nominated by Ministry of Jal Shakti about proposal sent by them to CAMPA for funding of around Rs. 5 crore for the development of Biodiversity Park. Team suggested tying up with AMC as they already have some plan to develop Biodiversity park at Khari under NRCP.

Annexure- I

5 (iv) Status of Solid Waste Management & Details of Processing Facilities:

Types of Waste/ Characteristic of waste	Generated Quantity/ day	Collection/ Storage facility with capacity	Disposal/ Treatment facility with capacity along with location	Total Gap with generation & existing treatment facilities if any	Proposed action plan / facility to cover gap	Time limit	Remarks	Present Status
Domestic waste from Surendranagar Municipality (Mixed type)	@ 50 MT/ Day	Not provided as per the Solid Waste Management Rules		50 MT/Day	--	NA	Vermi compost	There is no any solid waste management & Processing facilities provided by the Nagarpalika. Scientific landfill site is not developed by the Nagarpalika
Domestic Solid waste from Vadhwan Municipality (Mixed Type)	@ 10 MT/ Day	Not provided as per the Solid Waste Management Rules		10 MT/Day	--	NA	Vermi compost	

Annexure-II

5 (v) Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river

Progress/Status Report of the River/PRS water quality monitoring for Dec-19:

Date	Location	DO (mg/l)	pH	BOD (mg/l)	COD (mg/l)	Fecal Coliform (MPN/100 ml)	Total coliform (MPN/100 ml)
Dec-19	D/S of Surendranagar City, Near Wadhvan Bridge	5.9	8.45	1.8	5	N.A.	N.A.

Progress /Status Report for Ground water quality monitoring pertaining to PRS River:

Location of sample collected	WATER PROJECT NWQM HAND PUMP WATER SAMPLE NR. VINAY BAL MANDIR - HALF YEARLY	
Sample ID	268119	
Date of sample collection	05/10/2019	
Parameter	**Unit**	**Result**
Arsenic	mg/l	0.001
BOD	mg/l	1.5
COD	mg/l	7
Copper	mg/l	0.06
pH	pH units	8.47
TDS	mg/l	2362
Iron	mg/l	BDL
Lead	mg/l	BDL
Mercury	Ppb	N.A.
Nickel	mg/l	BDL
Zinc	mg/l	0.06

Drain details with flow:-

Total no. of drains = 05

Sr. No.	Location	Discharge (MLD)	
		Max.	Min.
1	Kumbharpara	0.80	0.10
2	Naklangpara	1.00	0.15
3	Near Shradhdha Hotel	0.50	0.10
4	Nr. Bari Darwaja	0.90	0.15
5	Vadhwan Bridge	0.40	0.05

Annexure-III

Details w.r.t point no. 5 (viii), (ix), (x), (xi) given by Irrigation Dept. as on date

Sr.No	River name	Details/Status
1	Bhogavo	Data/details will be furnished soon

Annexure-IV

Details w.r.t point no. 5 (xii) given by Forest Dept. /PCCF/ACCF/Concerned as on date

Stretch/ River	Existing plantation / vegetation cover details	Proposed plan to cover remaining gap along river/river stretch	Time limit	Remarks
Bhadar	Vegetation Cover is scattered and scanty covered by Thorny trees with Dry deciduous vegetation Prosopios juliflora, Azadirachta aindica About 91% is covered with such scartly vegetation.	Proposed achievable target submitted by APCCF is 25.77 lacs for all the Rivers of Gujarat as per attached details **as Annexure-A**		

Annexure-A

Status on Implementation of Action Plans for Restoration of Identified Polluted River Stretches for ensuring compliance to Hon'ble NGT Orders dated 20.09.2019, 19.12.2019 and 08.04.2019

S. No.	KEY COMPONENTS OF PROPOSED ACTION PLANS FOR RESTORATION OF IDENTIFIED POLLUTED RIVER STRETCHES IN STATEs/UTs	Proposed achievable Target	Proposed Time Targets for compliance	Present Status and or pendency in term of %	Concerned Agency
10	Greenery or plantation on both sides of the river	25.77 (lacs)	-	0%	**F&ED, Social Forestry, PCCF, GSWMA**

સને. ૨૦૧૯-૨૦માં નદી કાંઠે વૃક્ષ વાવેતર માટે જીલ્લાવાર ફાળવેલ લક્ષ્યાંક-સિધ્ધી (રોપા લાખમાં)					
અ.નં	જિલ્લો	વિભાગ	વર્તુળ	વાવેતર કરવાના થતા રોપા	સિધ્ધી (તા. ૩૧.૧૦.૨૦૧૯) અંતિત
૧	અમદાવાદ	અમદાવાદ	અમદાવાદ	૧.૨૫	૧.૨૫
૨	ખેડા	નડીયાદ	અમદાવાદ	૧.૫૦	૧.૫૦
૩	આણંદ	આણંદ	અમદાવાદ	૧.૫૦	૧.૫૦
૪	સુરેન્દ્રનગર	સુરેન્દ્રનગર	અમદાવાદ	૦.૭૫	૦.૪૫
	કુલ અમદાવાદ વર્તુળ			૫.૦૦	૫.૦૦
૫	અરવલ્લી	સાબરકાંઠા(ઉ)	મહેસાણા	૦.૬૦	૦.૩૬
૬	સાબરકાંઠા	સાબરકાંઠા(ઉ)	મહેસાણા	૦.૬૦	૦.૮૪
૭	બનાસકાંઠા	બનાસકાંઠા	મહેસાણા	૧.૦૦	૧.૨૩
૮	મહેસાણા	મહેસાણા	મહેસાણા	૦.૫૦	૦.૬૯
	કુલ મહેસાણા વર્તુળ			૨.૭૦	૩.૧૨
૯	નવસારી	નવસારી	ભરૂચ	૦.૯૦	૦.૯૦
૧૦	વલસાડ	વલસાડ	ભરૂચ	૧.૦૦	૧.૦૧
૧૧	સુરત	સુરત	ભરૂચ	૦.૩૦	૦.૩૦
૧૨	તાપી	સુરત	ભરૂચ	૦.૫૦	૦.૫૦
૧૩	નર્મદા	નર્મદા	ભરૂચ	૧.૦૦	૧.૦૦
૧૪	ભરૂચ	ભરૂચ	ભરૂચ	૧.૮૦	૧.૯૦
	કુલ ભરૂચ વર્તુળ			૫.૫૦	૫.૬૧
૧૫	ગીરસોમનાથ	ગીરસોમનાથ	રાજકોટ	૦.૫૦	૦.૨૯
૧૬	જુનાગઢ	ગીરસોમનાથ	રાજકોટ	૦.૫૦	૦.૨૯
૧૭	રાજકોટ	રાજકોટ	રાજકોટ	૦.૫૦	૦.૨૧
૧૮	મોરબી	રાજકોટ	રાજકોટ	૦.૫૦	૦.૧૧
૧૯	ભાવનગર	બોટાદ	રાજકોટ	૦.૫૦	૦.૩૩
૨૦	બોટાદ	બોટાદ	રાજકોટ	૦.૫૦	૦.૨૬
૨૧	દેવભૂમિ દ્વારકા	દેવભૂમિ દ્વારકા	રાજકોટ	૦.૫૦	૦.૫૦
૨૨	જામનગર	દેવભૂમિ દ્વારકા	રાજકોટ	૦.૫૦	૦.૭૫
૨૩	પોરબંદર	દેવભૂમિ દ્વારકા	રાજકોટ	૦.૫૦	૦.૨૫
૨૪	અમરેલી	અમરેલી	રાજકોટ	૦.૫૦	૦.૫૧
	કુલ રાજકોટ વર્તુળ			૫.૦૦	૫.૦૦
૨૫	વડોદરા	વડોદરા	ગોધરા	૧.૦૦	૦.૭૪
૨૬	છોટાઉદેપુર	વડોદરા	ગોધરા	૦.૫૦	૦.૭૬
૨૭	દાહોદ	દાહોદ	ગોધરા	૨.૦૦	૨.૦૦
૨૮	પંચમહાલ	ગોધરા	ગોધરા	૧.૦૦	૦.૯૨
૨૯	મહીસાગર	ગોધરા	ગોધરા	૧.૦૦	૧.૦૮
	કુલ ગોધરા વર્તુળ			૫.૫૦	૫.૫૦
૩૦	કચ્છ	કચ્છવિ.	કચ્છ	૦.૫૦	૦.૫૦
૩૧	પાટણ	પાટણ	કચ્છ	૦.૫૦	૦.૫૦
	કુલ કચ્છ વર્તુળ			૧.૦૦	૧.૦૦
૩૨	ગાંધીનગર	ગાંધીનગર	ગાંધીનગર	૦.૩૦	૦.૫૪
	કુલ કચ્છ વર્તુળ			૦.૩૦	૦.૫૪
	એકદરે કુલ			૨૫.૦૦	૨૫.૭૭

National Mission for Clean Ganga
Monthly Progress Report of Gujarat State for Jan-20
(Hon'ble NGT in the matter of OA No.673/2018 dated 06/12/2019)

Sl.No.	Activity to be monitored	Timeline	Submission of Progress by States/UT- Compliance Status
1	Ensure 100% treatment of sewage at least in-situ remediation	31.03.2020	Presently there is no any proposal for in-situ remediation. However, as per the suggestion given by Assessment team during meeting held on 04/02/2020, NEERI, UP Govt., Punjab Gov. etc will be approached by UDD/GUDM/Concerned for technical support in the matter
	Commencement of setting up of STPS and connecting all the drains and other sources of generation of sewage to the STPs must be ensured	31.03.2020	Vinzol (35 mld) AMC - December 2019 Vinzol (100 mld) AMC- Expected to be completed by Sep-2020 as per the information given by representative during the meeting held with PRS Assessment Team on 04/02/2020
2	Timeline for completing all steps of action plans including completion of setting up of STPs and their commissioning	31.03.2021	
3	Chief Secretaries may set up appropriate monitoring mechanism at State level • Specifying accountability of nodal authorities not below the Secretary Level • Chief Secretaries may have an accountable person attached in their office for this purpose. • Monitoring at State level must take place	22.01.2020 22.01.2020 Fortnightly commencing 21.12.2019	Quarterly RRC meeting held at GPCB, Gandhinagar to review the progress & minutes of the same (having progress status) is regularly submitted to CPCB Reviews of all NGT matters are taken frequently under chairmanship of Hon'ble CS (Last meeting was conducted on 24/12/2019) in matter of O.A. No.:- 606/2018
4	Progress report may be furnished by the States/UTs to • Secretary, Ministry of Jal Shakti • Member Secretary, CPCB	Monthly (preferably before 20th of every month)	Noted & Complied
5	Progress Report may be comprised of details along with completion timelines on: (i) Identification of polluting sources including drains contributing to river pollution and action as per NGT order on in-situ treatment		Identification of polluting sources including drains contributing to river pollution is already completed and submitted in the PRS action plan which is already approved by CPCB w.r.t Priority I and II In-situ treatment:- Pl. refer point no:-1

	(ii) <u>Status of STPs, I&D and sewerage networks</u> Details of existing infrastructure, gap analysis, proposed along with completion timeline		**Existing infrastructure: 70 MLD** **Gap analysis: 115 MLD** **Proposed : 135 MLD** **Completion Timeline : Sep-2020 as below** 1) 35 MLD STP – Commissioned and 2) 100 MLD STP – Expected to be completed by Sep-2020 as per the information given by representative during the meeting held with PRS Assessment Team on 04/02/2020
	(iii) <u>Status of CETPs</u> Details of existing CETP and ETP infrastructure, gap analysis, proposed along with completion timeline, no. of industries and complying status		Industrial waste water generation from the GIDCs of Naroda, Odhav, Vatva and GVMM are discharging their treated waste water from CETPs in to the MEGA Pipeline which is specifically dedicated for conveying of Effluent generated from the estates which ultimately discharging in River Sabarmati. Hence there is no industrial waste water discharge in to River Khari from these industrial estates.
	(iv) <u>Status of Solid Waste Management & Details of Processing Facilities</u> Details of existing infrastructure, gap analysis, proposed along with completion timeline		5 (iv) Status is attached as **Annexure – I**
	(v) Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river		5 (v) Status is attached as **Annexure – II**
	(vi) Preventing dumping of waste and scientific waste management including bio-medical wastes, plastic wastes and decentralizing waste processing, including waste generated from hotels, ashrams etc.		**Bio-Medical Waste:-** Total 333 Nos. of Health Care Unit's are operating in Ahmedabad (East) and generated Bio Medical Waste is disposed in to the CBWTF of – Care Bio Medical Waste Incinerator, Gandhinagar – E.Coil Waste

			Management System, Ahmedabad – Pollucare Biomedical Management Pvt. Ltd., Ahmedabad – Medicare Environmental Management Pvt. Ltd., Ahmedabad **Industrial Waste:-** Hazardous waste generating units are consented with the authorization under Haz. Waste Management Rules, amended time to time & they are disposing their waste to TSDF/CHWIF/registered recycler under Rule-9/Co-processing and as per consented conditions
	(vii) Ground water regulation		GWRDC has given details about the recently framed draft bill titled "Conservation, Protection, Regulation and Management of Ground Water in Gujarat State" in the meeting held on 04/02/2020 at GPCB with PRS Assessment Team nominated by Ministry of Jal Shakti which is in process and within 3 months to be submitted to the Assembly
	(viii) Adopting good irrigation practices		Details w.r.t point no. 5 (viii), (ix), (x), (xi) given by Irrigation Dept. as on date is attached as **Annexure – III**
	(ix) Protection and management of Flood Plain Zones (FPZ)		
	(x) Rain water harvesting		
	(xi) Maintaining minimum environmental flow of river		
	(xii) Plantation on both sides of the river		Details w.r.t point no. 5 (xii) given by Forest Dept. /PCCF/ACCF/Concerned as on date is attached as **Annexure – IV**
	(xiii) Setting up biodiversity parks on flood plains by removing encroachment		GBB informed during the meeting held on 04/02/2020 at GPCB with PRS Assessment Team nominated by Ministry of Jal Shakti about proposal sent by them to CAMPA for funding of around Rs. 5 crore for the development of Biodiversity Park. Team suggested

			tying up with AMC as they already have some plan to develop Biodiversity park at Khari under NRCP.

Annexure- I

5 (iv) Status of Solid Waste Management & Details of Processing Facilities:

Types of Waste/ Characteristic of waste	Generated Quantity/ Day (MT/day)	Collection/ Storage facility with capacity (MT/day)	Disposal/ Treatment facility with capacity along with location	Total Gap with generation & existing treatment facilities if any	Proposed action plan /facility to cover gap	Time limit	Present Status
Domestic sewage sludge	0.5	10	Sludge hygienisation plant at Pirana (100 TPD) and AMC gardens	Generated quantity is sent to the Sludge hygienisation plant at Pirana, hence there is no gap generation at present.	Sludge is hygeinised at Sludge hygienisation plant and marketed to farmers/ nurseries	--	Capacity to hygienise 100 tons of dry sewage sludge is operationalized and commercial production has commenced. The plant was inaugurated on March 2019.
Total	**0.5**	**10**	**100 TPD**	**--**	**--**	**--**	**--**

Annexure-II

5 (v) Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river

Table: 1 Progress/Status Report of the River/PRS water quality monitoring for Jan-20

River/PRS	Name of Location	Parameter					
		DO (mg/l)	pH	BOD (mg/l)	COD (mg/l)	Total coliform (MPN/ 100ml)	Fecal coliform (MPN/100 ml)
Khari	Lali village	BDL	7.21	164	360	17000	1700

Table:-2 Progress /Status Report for Ground water quality monitoring pertaining to PRS River

Location ID	Name of Location	Parameter									
		pH	BOD (mg/l)	COD (mg/l)	Cu mg/l	Fe mg/l	Pb mg/l	Cd mg/l	Ni mg/l	Zn mg/l	T. Cr.
10836	Borewell of Lali Gram Panchayat	7.56	1.4	12	BDL	BDL	BDL	BDL	BDL	BDL	BDL

Drain details with flow details:

Total no. of drains = 02

Sr.No.	Location	Name of Inletting River/Drain	Discharge (MLD)	
			Max.	Min.
1	Vinzol STP	STP discharge of AMC at Vinzol in to river Khari through Pipeline	185	165
2	Kharicut Canal at Railway Bridge	Railway Bridge near Vinzol	0.5	0.2

Annexure-III

Details w.r.t point no. 5 (viii), (ix), (x), (xi) given by Irrigation Dept. as on date

Sr.No	River name	Details/Status
1	Khari	Data/details will be furnished soon

Annexure-IV

Details w.r.t point no. 5 (xii) given by Forest Dept. /PCCF/ACCF/Concerned as on date

Stretch/ River	**Existing plantation / vegetation cover details**	**Proposed plan to cover remaining gap along river/river stretch**	**Time limit**	**Remarks**
Sabarmati, Khari	25,000 Plants were planted along the Sabarmati and Meshwo river in the areas available under the Vanmahotsav and other Schemes of the forest Department with the co-operation of local People.	Proposed achievable target submitted by APCCF is 25.77 lacs for all the Rivers of Gujarat as per attached details **as Annexure-A**		

Annexure-A

Status on Implementation of Action Plans for Restoration of Identified Polluted River Stretches for ensuring compliance to Hon'ble NGT Orders dated 20.09.2019, 19.12.2019 and 08.04.2019

S. No.	KEY COMPONENTS OF PROPOSED ACTION PLANS FOR RESTORATION OF IDENTIFIED POLLUTED RIVER STRETCHES IN STATEs/UTs	Proposed achievable Target	Proposed Time Targets for compliance	Present Status and or pendency in term of %	Concerned Agency
10	Greenery or plantation on both sides of the river	25.77 (lacs)	-	0%	F&ED, Social Forestry, PCCF, GSWMA

સને. ૨૦૧૯-૨૦માં નદી કાંઠે વૃક્ષ વાવેતર માટે જીલ્લાવાર ફાળવેલ લક્ષ્યાંક-સિધ્ધી (રોપા લાખમાં)					
અ.નં	જિલ્લો	વિભાગ	વર્તુળ	વાવેતર કરવાના થતા રોપા	સિધ્ધી (તા. ૩૧.૧૦.૨૦૧૯) અંતિત
૧	અમદાવાદ	અમદાવાદ	અમદાવાદ	૧.૨૫	૧.૨૫
૨	ખેડા	નડીયાદ	અમદાવાદ	૧.૫૦	૧.૫૦
૩	આણંદ	આણંદ	અમદાવાદ	૧.૫૦	૧.૫૦
૪	સુરેન્દ્રનગર	સુરેન્દ્રનગર	અમદાવાદ	૦.૭૫	૦.૪૫
	કુલ અમદાવાદ વર્તુળ			૫.૦૦	૫.૦૦
૫	અરવલ્લી	સાબરકાંઠા(ઉ)	મહેસાણા	૦.૬૦	૦.૩૬
૬	સાબરકાંઠા	સાબરકાંઠા(ઉ)	મહેસાણા	૦.૬૦	૦.૮૪
૭	બનાસકાંઠા	બનાસકાંઠા	મહેસાણા	૧.૦૦	૧.૨૩
૮	મહેસાણા	મહેસાણા	મહેસાણા	૦.૫૦	૦.૬૯
	કુલ મહેસાણા વર્તુળ			૨.૭૦	૩.૧૨
૯	નવસારી	નવસારી	ભરૂચ	૦.૯૦	૦.૯૦
૧૦	વલસાડ	વલસાડ	ભરૂચ	૧.૦૦	૧.૦૧
૧૧	સુરત	સુરત	ભરૂચ	૦.૩૦	૦.૩૦
૧૨	તાપી	સુરત	ભરૂચ	૦.૫૦	૦.૫૦
૧૩	નર્મદા	નર્મદા	ભરૂચ	૧.૦૦	૧.૦૦
૧૪	ભરૂચ	ભરૂચ	ભરૂચ	૧.૮૦	૧.૯૦
	કુલ ભરૂચ વર્તુળ			૫.૫૦	૫.૬૧
૧૫	ગીરસોમનાથ	ગીરસોમનાથ	રાજકોટ	૦.૫૦	૦.૨૯
૧૬	જુનાગઢ	ગીરસોમનાથ	રાજકોટ	૦.૫૦	૦.૨૯
૧૭	રાજકોટ	રાજકોટ	રાજકોટ	૦.૫૦	૦.૨૧
૧૮	મોરબી	રાજકોટ	રાજકોટ	૦.૫૦	૦.૧૧
૧૯	ભાવનગર	બોટાદ	રાજકોટ	૦.૫૦	૦.૩૩
૨૦	બોટાદ	બોટાદ	રાજકોટ	૦.૫૦	૦.૨૬
૨૧	દેવભૂમિ દ્વારકા	દેવભૂમિ દ્વારકા	રાજકોટ	૦.૫૦	૦.૫૦
૨૨	જામનગર	દેવભૂમિ દ્વારકા	રાજકોટ	૦.૫૦	૦.૭૫
૨૩	પોરબંદર	દેવભૂમિ દ્વારકા	રાજકોટ	૦.૫૦	૦.૨૫
૨૪	અમરેલી	અમરેલી	રાજકોટ	૦.૫૦	૦.૫૧
	કુલ રાજકોટ વર્તુળ			૫.૦૦	૫.૦૦
૨૫	વડોદરા	વડોદરા	ગોધરા	૧.૦૦	૦.૭૪
૨૬	છોટાઉદેપુર	વડોદરા	ગોધરા	૦.૫૦	૦.૭૬
૨૭	દાહોદ	દાહોદ	ગોધરા	૨.૦૦	૨.૦૦
૨૮	પંચમહાલ	ગોધરા	ગોધરા	૧.૦૦	૦.૬૨
૨૯	મહીસાગર	ગોધરા	ગોધરા	૧.૦૦	૧.૦૮
	કુલ ગોધરા વર્તુળ			૫.૫૦	૫.૫૦
૩૦	કચ્છ	કચ્છવિ.	કચ્છ	૦.૫૦	૦.૫૦
૩૧	પાટણ	પાટણ	કચ્છ	૦.૫૦	૦.૫૦
	કુલ કચ્છ વર્તુળ			૧.૦૦	૧.૦૦
૩૨	ગાંધીનગર	ગાંધીનગર	ગાંધીનગર	૦.૩૦	૦.૫૪
	કુલ કચ્છ વર્તુળ			૦.૩૦	૦.૫૪
	એકદરે કુલ			૨૫.૦૦	૨૫.૭૭