

MINUTES OF MEETING

- In matter of Tapi River pollution etc., Environment Interest Litigation (EIL) was filed by Nav Yuva Sangathan and others vide original application no. 50/2018 (WZ) at Hon. National Green Tribunal, Pune.
- Fourth meeting of the Committee was held at Surat Municipal Corporation on 16th September, 2019 at 12.30 pm.
- As per discussion with relevant authorities, following representatives of the relevant authorities were present in the meeting. (1) Shri N.H. Patel, Chief Engineer, GUDC was represented by Shri H.I. Solanki, Superintending Engineer, GWSSB (2) Collector Shri Surat was represented by Smt K.R.Chuadhari, Chitnish to the collector, Surat.

Sr. No.	Officer Name	Department
1	S. R. Mahakal, Superintending Engineer, Surat Irrigation Circle	Narmada Water resources, Water Supply & Kalpser Department, Gujarat.
2	P.U. Dave, Regional officer GPCB, Surat	GPCB, Gujarat
3	H.I. Solanki, Superintending Engineer, Gujarat water supply and sewerage board	Urban Development & Housing Department, Gujarat.
4	K.R.Chuadhari, Chitnish to the collector, Surat	Surat Collectorate
5	B. I. Dalal, City Engineer	Surat Municipal Corporation
6	J. M. Patel, Deputy Commissioner(P & D)	Town Development Department, Surat Municipal Corporation
7	K. S. Patel, Deputy Commissioner	Town Planning Department, Surat Municipal Corporation
8	S. T. Gamit, Executive Engineer,	Surat Irrigation Circle
9	Bhairav .B. Desai, Executive Engineer	Surat Municipal Corporation
10	Manish Doctor, Town Development Officer	Town Planning Department, Surat Municipal Corporation
11	Dharmesh Mistry I.C. Town Planning Officer	Town Development Department, Surat Municipal Corporation

The following points are discussed during the meeting

City Engineer, Surat Municipal Corporation informed that under the pollution abatement of River Tapi, The tenders of STP at Valak and Varachha area having capacity of 51.72 MLD and 43.24 MLD respectively have been sanctioned by competent authority and work orders are issued for the same.

- Interception and diversion works tenders for various outfalls at Left bank and Right bank of River Tapi within Surat Municipal Corporation limit are received and they are under scrutiny.
- Supply with comprehensive Operation, and maintenance contract for 5(Five) years of Aquatic dewatering machine's tender is sanctioned by competent authority and work order is issued for the same.
- The untreated sewage being disposed off from the area within jurisdiction of Surat Urban Development Authority have been intercepted and diverted from Valak, Gadhpur and Varachha creeks by Surat Municipal Corporation and as a result approximately 135 MLD of untreated sewage entering into river Tapi has been stopped. Due to this diversion of untreated water, consumption of chlorine had been reduced to 20.80 % and consumption P.A.C. had been reduced to 48.91 % at Water Treatment Plants.
- Surat Municipal Corporation has taken up works to clean river Tapi from entering untreated sewage on a war footing basis and accordingly in coordination with respective authorities, namely, Collector-Surat, Chief Executive Officer-Surat Urban Development Authority and District Development Officer-Surat, a series of meetings with all these authorities regarding availability of land were conducted under the Chairmanship of Municipal Commissioner-Surat Municipal Corporation even before the project worth Rs.971.25 crores was sanctioned by NRCP on 05-03-2019. City Engineer reiterated that despite of availability of fund, if the land

parcels are not available in time than, the success of the project and commitment given to Hon. NGT will not be fulfilled. Presentation regarding land requirement is also done before Respected Principle Secretary (UDD), Gujarat on 30th August, 2019. City Engineer once again requested for early availability of required land parcels for which Collectorate, Surat office is working sincerely and positively. Chitnish to Collector, Surat present in the meeting assured to work expeditiously on the matter.

- Requirement of land for area within Surat Urban Development Authority (SUDA) for Constructing of total 15 nos. Sewage pumping station and 12 nos. sewage treatment plant at 16 nos. Location is already submitted to Collector shri, Surat.

During Ganesh visarjan day on dated 12/09/2019,

- Total 21 nos of artificial ponds had been constructed by Surat Municipal Corporation for immersion of Ganesh idols.
- Total 53397 nos. Ganesh idols had been immersed in to artificial pond and 4858 Ganpati idols had been immersed into sea thus total 58255 nos of Ganesh Idols immersion directly in to River Tapi has been prevented.
- During the period 11/07/2019 to 13/09/2019, total 74250 Cubic meter Vegetation like Water hyacinths / Hydrila /Algae etc. had also been removed from river TAPI by Surat Municipal Corporation.

City Engineer, Surat Municipal Corporation further suggested that, for Information Education Communication(IEC) activities and for public participation, model of Sabarmati river may be adopted with suitable modification and various stake holders, NGO's and others will be invited for participation to improve public awareness for Surat Urban Development Authority(SUDA) and Gujarat Water Supply and Sewerage Board (GWS&SB) area.

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Superintending Engineer, Irrigation department stated that the final demarcation of Red line and Blue line Map with Latitude and longitude at site shall be completed by the end of December 2019 by them.

- The committee has taken note that in the order of Hon. National Green Tribunal dated.16/03/2016 for Original Application No.01/2013, Blue line and Red line map prepared for Mula-Mutha Rivers of Pune are based on 25 years and 100 years flood data respectively.
- Superintending Engineer said that Irrigation department has submitted dredging / desilting work proposal to state government for further approval.

Regional Officer, GPCB stated that water quality in river Tapi is being checked regularly. The quality data for last five months is shared before the committee. These Samples taken by GPCB official at different 10 Locations from Kakrapar weir to ONGC bridge stretch of river Tapi during the months of April, May, June, July and August 2019 are annexed herewith, the results shows the improvement in the Tapi river water quality except the required actions suggested at the outlet of Gavier STP for which City Engineer assured to initiate necessary actions to maintain discharge norms described by GPCB.

Superintending Engineer, Irrigation department stated that as a good practice, regularly potable water being discharged from Ukai Dam in order to fulfill minimum requirement of potable water in the downstream of Kakrapar weir. Approx. 1700 Cusecs water flow in Tapi river from Kakrapar weir to Surat from small tributories (khadi) and during January to May average 400 cusecs water is flown from Kakrapar weir to maintain potable water. Hence min. e-flow is maintained in Tapi river.

Meeting was ended with vote of thanks.

CE/OUT/NO. 81
DATE :- 17-09-2019

Null
17-09-2019
City Engineer
Surat Municipal Corporation



Gujarat Pollution Control Board

Regional Office-SURAT

ISO-9001 & ISO-14001 Certified

338, Belgium Square, Typical First Floor, Silver plaza complex, Opp. Linear Bus Stand,

Ring Road, Surat- 395003 Phone: (0261) 2442696, Website: www.gpcb.gov.in

XGN website : <http://gpcbgn.gujarat.gov.in> E-mail : ro-gpcb-sura@gujarat.gov.in

No.G.P.C.Borad/R.O./Surat/T-38(B)/ 3416 /2019

Date:16.09.2019

To,

City Engineer
Surat Municipal Corporation,
Muglisara,
Surat-395003

Sub: Compliance of Hon. National Green Tribunal, New Delhi order
Dated: 25.02.2019 for the original application No.50/2018(WZ).
Ref.: Your Letter No:- DNG/OUT/No2578/2 Date:.05.09.2019

Sir,

In compliance with above referred letter and subject, if into inform you that Gujarat Pollution Control Board has carried out samplings and analysis of River Tapi from Kakrapar barrage to ONGC Bridge. There are about 10 (Ten) sampling points located between Kakrapar barrages to ONGC Bridge, and two borewells and two STP outlets. Progress/Status report for the Tapi River water quality monitoring is attached here with your ready reference.

Thanking you

For and on behalf of
Gujarat Pollution Control Board

(P.U. Dave)
Regional Officer, Surat

Enc: As Above

Copy to:

1. Unit Head, Surat, Gujarat Pollution Control Board, Paryavran Bhavan, Sector 10 'A', Gandhinagar, as per letter no GPCB/SRT-C-599/514381, Date:22.07.2019
2. Shri.R.R.Panchal, Legal Officer, Gujarat Pollution Control Board, Paryavran Bhavan, Sector 10 'A', Gandhinagar.. as per letter no: ગુ.પ્ર.નિ.બોર્ડ/લીગલ-એનજીતી-સુરત/૧૦૬/૫૧૮૭૧૧

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XGushri (TSP) 17/09.

Status of wayer quality of River Tapi

River	Name of Loaction	Monthly sampling & Analysis done YES/NO (Apr-19 to Aug-19)	Results for Month of	PARAMETER						
				Samp ID & Dt	BOD	pH	COD	DO	FCO	TCO
TAPI	MOTICHER LAKE	YES	April	256263-02/04/2019	0.9	8.07	12	6.85	9	53
TAPI	MOTICHER LAKE	YES	May	258404-02/05/2019	1.57	7.74	12	6	9	93
TAPI	MOTICHER LAKE	YES	June	260297-04/06/2019	1.07	7.89	10	6.12	6	42
TAPI	MOTICHER LAKE	YES	July	262041-03/07/2019	0.81	7.79	8	7.14	9	41
TAPI	MOTICHER LAKE	YES	August	263688-01/08/2019	1.08	7.3	9	7.31	8	33
				Samp ID & Dt	BOD	pH	COD	DO	FCO	TCO
TAPI	RIVER TAPI AT MANDVI	YES	April	256259-02/04/2019	0.8	7.9	10	6.9	9	41
TAPI	RIVER TAPI AT MANDVI	YES	May	258402-02/05/2019	1.09	7.91	10	6.36	9	76
TAPI	RIVER TAPI AT MANDVI	YES	June	260296-04/06/2019	0.8	7.9	9	6.2	8	41
TAPI	RIVER TAPI AT MANDVI	YES	July	262036-03/07/2019	0.76	7.73	9	7.26	9	33
TAPI	RIVER TAPI AT MANDVI	YES	August	263687-01/08/2019	0.77	7.04	8	7.39	6	21
				Samp ID & Dt	BOD	pH	COD	DO	FCO	TCO
TAPI	RIVER TAPI AT NR.KAPP BRIDGE	YES	April	256265-02/04/2019	0.9	8.03	10	6.85	6	73
TAPI	RIVER TAPI AT NR.KAPP BRIDGE	YES	May	258403-02/05/2019	0.97	7.84	9	6.49	11	83
TAPI	RIVER TAPI AT NR.KAPP BRIDGE	YES	June	260298-04/06/2019	0.8	7.71	9	6.2	8	53
TAPI	RIVER TAPI AT NR.KAPP BRIDGE	YES	July	262043-03/07/2019	0.73	7.74	8	7.08	9	41
TAPI	RIVER TAPI AT NR.KAPP BRIDGE	YES	August	263694-01/08/2019	0.88	7.17	9	7.22	9	39
				Samp ID & Dt	BOD	pH	COD	DO	FCO	TCO
TAPI	RIVER TAPI AT KATHOR N.H.S.	YES	April	256518-04/04/2019	0.91	7.79	10	6.74	9	41
TAPI	RIVER TAPI AT KATHOR N.H.S.	YES	May	258389-01/05/2019	1.12	7.36	9	6.58	9	41
TAPI	RIVER TAPI AT KATHOR N.H.S.	YES	June	260056-03/06/2019	0.8	7.7	9	6.07	9	32
TAPI	RIVER TAPI AT KATHOR N.H.S.	YES	July	262089-04/07/2019	0.74	7.66	8	7.18	9	21
TAPI	RIVER TAPI AT KATHOR N.H.S.	YES	August	263963-03/08/2019	0.86	7.64	9	7.46	9	53
				Samp ID & Dt	BOD	pH	COD	DO	FCO	TCO
TAPI	RIVER TAPI AT VARACHHA BRIDGE,	YES	April	256515-04/04/2019	0.89	7.52	10	6.67	11	73
TAPI	RIVER TAPI AT VARACHHA BRIDGE,	YES	May	258390-01/05/2019	1.2	7.39	10	6.61	6	39
TAPI	RIVER TAPI AT VARACHHA	YES	June	263965-03/08/2019	0.9	7.56	9	6.4	13	58
TAPI	RIVER TAPI AT VARACHHA	YES	July	262085-04/07/2019	0.79	7.83	8	7.23	11	41
TAPI	RIVER TAPI AT VARACHHA	YES	August	263965-03/08/2019	0.84	7.36	9	7.38	11	41

				Samp ID & Dt	BOD	pH	COD	DO	FCO	TCO
TAPI	RIVER TAPI AT ONGC BRIDGE SURAT	YES	April	256494-03/04/2019	1.1	7.47	40	6.54	17	112
TAPI	RIVER TAPI AT ONGC BRIDGE SURAT	YES	May	258420-03/05/2019	0.94	7.09	26	6.71	17	126
TAPI	RIVER TAPI AT ONGC BRIDGE	YES	June	260314-06/06/2019	2.87	7.08	41	5.41	13	177
TAPI	RIVER TAPI AT ONGC BRIDGE	YES	July	261665-01/07/2019	2.6	7.34	30	5.91	11	141
TAPI	RIVER TAPI AT ONGC BRIDGE	YES	August	263851-02/08/2019	2.12	7.29	20	6.57	9	83

				Samp ID & Dt	BOD	pH	COD	DO	FCO	TCO
TAPI	RIVER TAPI AT RANDER		April	256534-04/04/2019	1.16	7.63	12	6.47	11	53
TAPI	RIVER TAPI AT RANDER		May	258391-01/05/2019	1.1	7.44	10	6.64	9	53
TAPI	RIVER TAPI AT RANDER	YES	June	260060-03/06/2019	1.1	7.16	10	6.72	9	41
TAPI	RIVER TAPI AT RANDER	YES	July	262105-04/07/2019	0.96	7.86	9	7.11	8	39
TAPI	RIVER TAPI AT RANDER	YES	August	263961-03/08/2019	0.64	7.39	8	7.18	11	49

				Samp ID & Dt	BOD	pH	COD	DO	FCO	TCO
TAPI	RIVER TAPI AT SWAMIVIVEKANAND BRIDGE,	YES	April	256483-03/04/2019	1.9	7.46	26	5.8	9	83
TAPI	RIVER TAPI AT SWAMIVIVEKANAND BRIDGE,	YES	May	258435-03/05/2019	1.32	7.04	26	5.94	9	77
TAPI	RIVER TAPI AT SWAMIVIVEKANAND BRIDGE,	YES	June	260057-03/06/2019	2.77	6.9	26	4.39	9	65
TAPI	RIVER TAPI AT SWAMIVIVEKANAND	YES	July	261662-01/07/2019	2.6	7.45	22	5.2	9	43
TAPI	RIVER TAPI AT SWAMIVIVEKANAND	YES	August	263977-02/08/2019	1.52	7.52	15	6.41	9	41

				Samp ID & Dt	BOD	pH	COD	DO	FCO	TCO
TAPI	RIVER TAPI AT SARDAR BRIDGE	YES	April	256482-03/04/2019	1.9	7.44	24	6	11	63
TAPI	RIVER TAPI AT SARDAR BRIDGE	YES	May	258434-03/05/2019	1.39	7.07	28	5.89	9	73
TAPI	RIVER TAPI AT SARDAR BRIDGE	YES	June	260058-03/06/2019	2.64	6.81	28	4.14	11	63
TAPI	RIVER TAPI AT SARDAR BRIDGE	YES	July	261663-01/07/2019	2.8	7.21	24	5.11	11	45
TAPI	RIVER TAPI AT SARDAR BRIDGE	YES	August	263856-02/08/2019	1.46	7.65	14	6.34	9	53

				Samp ID & Dt	BOD	pH	DO	FCO	TCO
TAPI	UMARA TEMPLE	YES	April	256484-03/04/2019	1.8	7.46	5.4	11	84
TAPI	UMARA TEMPLE	YES	May	258431-03/05/2019	1.37	7.25	6.06	11	94
TAPI	UMARA TEMPLE	YES	June	260059-06/06/2019	2.67	7.1	4.64	9	64
TAPI	UMARA TEMPLE	YES	July	261664-01/07/2019	2.4	7.24	6.01	11	63
TAPI	UMARA TEMPLE	YES	August	263858-02/08/2019	2.18	7.43	6.33	11	63

