

## MINUTES OF MEETING

- A. 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 National Green Tribunal, Pune.
- B. Fifth meeting was held at Surat Municipal Corporation on 11<sup>th</sup> December, 2019 at 12.00 pm.
- C. Following representatives of the relevant authorities were present in the meeting. (1) Collector Shri Surat was represented by Smt K.R.Chuadhari, Chitnish to the collector, Surat. (2) Narmada Water resources, Water Supply & Kalpsar Department, Gujarat was represented by Mr. H.D. Patel, Executive Engineer, Surat Irrigation Circle attended this meeting.(3) City Engineer, Surat Municipal Corporation was represented by Executive Engineer (TSP).

Sr. No.	Officer Name	Department
1	Mr. H.D. Patel, Executive Engineer, Surat Irrigation Circle	Narmada, Water resources, Water Supply & Kalpsar Department, Gujarat.
2	Mr. P.U. Dave, Regional officer GPCB, Surat	GPCB, Gujarat
3	Mr. H.I. Solanki, Superintending Engineer, Gujarat water supply and sewerage board	Gujarat water supply and sewerage board
4	Smt. K.R.Chuadhari, Chitnish to the collector, Surat	Surat Collectorate
5	Mr. Bhairav .B. Desai, Executive Engineer, Tapi Shuddhikaran Project	Surat Municipal Corporation
6	Mr. Dharmesh Mistry I/c. Town Planning Officer	Town Development Department, Surat Municipal Corporation
7	Mr. Vijay Desai, Deputy Town Development Officer	Town Development Department, Surat Municipal Corporation

No representative of Urban Development & Housing Department, Gujarat attended this meeting.

The following points are discussed during the meeting.

- D. **Executive Engineer, Surat Irrigation Circle** informed with reference to dredging of river Tapi in up stream of Singapore Weir, cross sections of river were taken and it is found that river bed of Tapi is deep and as such technically desilting is required in only certain pockets due to islands. Further dredging will put safety of existing flood embankments at risk. However in very limited area at certain places, islands are created for which

desilting work is under consideration and will be taken up in coordination with mining department.

- E. **Chitnish to the collector, Surat** submitted various different status of land to be availed for various SPS / STP. She also stated that, due to the strike of sub staff, the process of allotment of land is hindered.
- F. **Executive Engineer, Tapi Shuddhikaran Project, SMC** stated that he had attended last River Rejuvenation Committee (RRC) held on 5<sup>th</sup> December 2019, wherein Regional Officer, GPCB and Superintending Engineer, Gujarat Water Supply & Sewerage Board also present and river Tapi is among the various stretches of rivers identified in state of Gujarat.

It was informed in the RRC that time limit for completion of this project is very important and various departments from Government had submitted Bank Guarantee on behalf Chief Secretary, Government of Gujarat to Central Pollution Control Board(CPCB). In case of non-fulfillment, penal action may be taken; therefore all stake holders must do necessary work to adhere the time line.

**Executive Engineer (TSP)** urged representative of Collectorate, Surat that in order to adhere time limit, land availability is first and for most priority, therefore special mechanism may be derived in order to give advance possession of land to start over. He further stresses that If at all required, necessary proposal for speedy process may be mooted by collectorate to revenue department Government of Gujarat.

- G. **Superintending Engineer, Gujarat water supply and sewerage board** also stressed upon to provide land for SPS/STP at the earliest in order to start work.
- H. Regarding Red line and Blue line, **Executive Engineer, Surat Irrigation Circle, Surat** stated that necessary data with latitude and longitude as per NGT Order Dated 16/03/2016 in Original Application No. 1/2013 (Moola-Mootha River) was submitted to Surat Municipal Corporation vide their letter No. SIC/PB-5/Tapi river/NGT/App. No.50/2018(WZ)/Blue line & Red line marking/1 in 25 & 1 in 100/lat-long/WS/4974, Dtd.18/10/2019.

In this regard, **Executive Engineer (TSP)** stated that a communiqué was made from Commissioner, Surat Municipal Corporation to Secretary, Water Resource vide letter No. Com./111, dated 02/12/2019. Stating that.....

*From the submitted data, it stating that prima facie appears that following necessary flood protection mechanism are not considered while deciding 25-year flood line and 100-year flood line.*

1. *Ukai dam was constructed post flood year 1968*
2. *Earthen Embankment with Gabion / Stone were constructed/ strengthened post flood year 2006. Total length of Embankment is more than 40.00 km*
3. *In western side river bank of City, Protection work is being carried out by Irrigation department.*



4. *Intimation for obtaining necessary approval for proposed barrage and embankment for 100 year flood line as suggested by the Central Water and Power Research Station (CW&PRS), Expert agency of Government of India (The Letter regard above is Sent to Superintending Engineer, Surat Irrigation Circle on vide CE Sp. Cell/983, Dated 11.10.2019.)*

*It is important to note that as per Hon. NGT order in line with Moola - Mootha river, necessary steps are required to be taken. However, the data submitted by Irrigation Department contain only existing data of the flood without considering effect of point no. 1 to 4 and therefore may be come unimplementable. Thereby entire purpose may be defeated.*

*Surat Municipal Corporation therefore, kindly requested to Secretary, Water Resource to instruct concerned department/officer to demarcate the red line and blue line on drawing as well as on site along river Tapi, taking in to account effect of point No.1 to 4 mentioned in above para at the earliest.*

- I. **Executive Engineer, Surat Irrigation Circle** stated that maps are prepared by considering points 1 to 4 and submitted to Surat municipal corporation. Accordingly reply is given by Supritending Engineer, Surat Irrigation Circle vide letter dtd 10.12.2019 to The Commissioner, Surat Municipal Corporation w.r.t SMC letter dtd:2/12/2019 and to Executive Engineer (TSP) w.r.t S.M.C letter dtd:28/11/2019.

**Executive Engineer, Surat Irrigation Circle** stated that irrigation department is submitting corrected updated drawings in continuation of drawings submitted earlier vide their office letter dtd : 26/09/2019 and will submitted to Surat Municipal Corporation by today evening. More ever field work for fixing of boundary stone is in progress.

- J. **Executive Engineer, Tapi Shuddhikaran Project, SMC** stated that they are yet to received letter of dated 10.12.2019 and will examine.

- K. **Regional Officer, GPCB** stated that water quality in river Tapi is being checked regularly. The quality data for month from September to November is shared before the committee. These samples taken by GPCB official at different 10 location from Kakrapar weir to ONGC bridge stretch of River Tapi during the month of September to November 2019 are annexed herewith.

- L. **Executive Engineer, Tapi Shuddhikaran Project, Surat Municipal Corporation** informed that As per Hon. NGT Order Dated 19/09/2019 in the matter of Original Application No. 50/2018 (WZ), Point No.11, necessary compliance report was filed by Dy. Commissioner Shri (Planning and Development) of Surat Municipal Corporation vide Affidavit Dt 18/10/2019 before Hon. NGT.

- Executive Engineer, Tapi Shuddhikaran Project, Surat Municipal Corporation** stated that public awareness is inevitable for maintaining cleanliness in cities and Tapi River. Simultaneously for creating understanding about this program among the public, Public participation / public awareness will be ensuring by maximal use of voluntary organizations as well as publicity media.

he has suggested Following information Education Communication (IEC),

1. Banners, Hoardings and Kiosks at all approach roads leading to banks of River Tapi, Gardens of SMC, Bridges, Schools and Colleges, Temples on the banks of River Tapi
2. School level competition – Drawing, Short Plays, Poems and Essays on “Conservation of River Tapi”. Then-after District level completions
3. Dissemination by advertisements through FM radio, TV, and Cinema Halls
4. Awareness programs through Self help groups and NGOs
5. Planning of awarding incentive prizes /certificates to societies giving significant contribution in TSP Project. SMC / Other Stakeholders should reasonably fix the amount of prizes.
6. Short Plays by School Children / Other Students in SMC’s Public Parks and other public places where footfall is substantial and noteworthy
7. Effective campaign for Public awareness through invitation for opinions / suggestions of awakened persons form the public
8. Supporting “Clean Tapi Drives” through Self-help groups and NGOs
9. Supporting Plantation Programs on the banks of River Tapi

However, members expressed their views that modalities in detail can be decided after due deliberation.

Meeting was ended with vote of thanks.



Executive Engineer

Tapi Shuddhikaran Project  
Surat Municipal Corporation

DNG/OUT/No. 4064  
Date:- 16/12/19

**Annexure:-A  
Progress/Status Report**

**Table:-1 Progress/Status Report for the River/PRS water quality Monitoring**

River	Name of Location	Monthly sampling & Analysis done	Priority based on results of (Sep-19 to	PARAMETER						
				Samp ID & Dt	BOD	COD	DOX	FCO	pH	TCO
TAPI	MOTICHER LAKE	YES	September	04/09/2019	0.78	9	7.21	8	7.61	26
TAPI	MOTICHER LAKE	YES	October	03/10/2019	0.96	12	7.27	9	7.76	53
TAPI	MOTICHER LAKE	YES	November	06/11/2019	0.9	11	7.26	11	7.9	53

River	Name of Location	Monthly sampling & Analysis done	Priority based on results of (Sep-19 to	PARAMETER						
				Samp ID & Dt	BOD	COD	DOX	FCO	pH	TCO
TAPI	RIVER TAPI AT MANDVI,	YES	September	04/09/2019	0.7	9	7.33	6	7.69	33
TAPI	RIVER TAPI AT MANDVI,	YES	October	03/10/2019	0.82	10	7.29	9	7.6	41
TAPI	RIVER TAPI AT MANDVI,	YES	November	06/11/2019	0.76	9	7.31	6	7.99	41

River	Name of Location	Monthly sampling & Analysis done	Priority based on results of (Sep-19 to	PARAMETER						
				Samp ID & Dt	BOD	COD	DOX	FCO	pH	TCO
TAPI	RIVER TAPI AT NR.KAPP	YES	September	04/09/2019	0.79	8	7.14	6	7.64	21
TAPI	RIVER TAPI AT NR.KAPP	YES	October	03/10/2019	0.9	10	7.22	9	7.66	37
TAPI	RIVER TAPI AT NR.KAPP	YES	November	06/11/2019	0.72	9	7.27	6	7.31	41

River	Name of Loaction	Monthly sampling & Analysia done	Priority based on results of (Sep-19 to	PARAMETE R						
				Samp ID & Dt	BOD	COD	DOX	FCO	pH	TCO
TAPI	RIVER TAPI AT KATHOR N.H.8	YES	September	03/09/2019	0.78	8	7.32	6	8.03	23
TAPI	RIVER TAPI AT KATHOR N.H.8	YES	October	01/10/2019	0.88	10	7.26	9	7.59	41
TAPI	RIVER TAPI AT KATHOR N.H.8	YES	November	07/11/2019	0.92	12	7.24	6	7.35	41

River	Name of Loaction	Monthly sampling & Analysia done YES/NO	Priority based on results of (Sep-19 to Nov-19)	PARAMETE R						
				Samp ID & Dt	BOD	COD	DOX	FCO	pH	TCO
TAPI	RIVER TAPI AT VARACHHA BRIDGE,	YES	September	03/09/2019	0.94	8	7.19	8	7.91	27
TAPI	RIVER TAPI AT VARACHHA BRIDGE,	YES	October	01/10/2019	0.92	10	7.18	11	7.65	53
TAPI	RIVER TAPI AT VARACHHA BRIDGE,	YES	November	07/11/2019	0.88	12	7.21	11	7.74	53

River	Name of Loaction	Monthly sampling & Analysia done	Priority based on results of (Sep-19 to	PARAMETE R						
				Samp ID & Dt	BOD	COD	DOX	FCO	pH	TCO
TAPI	RIVER TAPI AT ONGC BRIDGE	YES	September	05/09/2019	1.7	14	6.61	9	7.48	39
TAPI	RIVER TAPI AT ONGC BRIDGE	YES	October	04/10/2019	2.6	32	6.28	27	7.86	83
TAPI	RIVER TAPI AT ONGC BRIDGE	YES	November	05/11/2019	2.1	26	6.94	11	7.65	78



River	Name of Location	Monthly sampling & Analysis done	Priority based on results of (Sep-19 to	PARAMETER							
					Samp ID & Dt	BOD	COD	DOX	FCO	pH	TCO
TAPI	RIVER TAPI AT RANDER BRIDGE(CAUSEWAY	YES	September		03/09/2019	0.99	9	7.1	9	7.9	33
TAPI	RIVER TAPI AT RANDER BRIDGE(CAUSEWAY	YES	October		01/10/2019	1.1	11	7.13	11	7.79	63
TAPI	RIVER TAPI AT RANDER BRIDGE(CAUSEWAY	YES	November		07/11/2019	1.12	12	7.2	6	7.36	41

River	Name of Location	Monthly sampling & Analysis done	Priority based on results of (Sep-19 to	PARAMETER							
					Samp ID & Dt	BOD	COD	DOX	FCO	pH	TCO
TAPI	RIVER TAPI AT SWAMIVIVEKANAND BRIDGE,	YES	September		05/09/2019	1.8	12	6.62	9	7.44	41
TAPI	RIVER TAPI AT SWAMIVIVEKANAND BRIDGE,	YES	October		04/10/2019	2.11	24	6.59	9	7.18	53
TAPI	RIVER TAPI AT SWAMIVIVEKANAND BRIDGE,	YES	November		05/11/2019	1.62	18	6.71	11	7.5	53

River	Name of Location	Monthly sampling & Analysis done	Priority based on results of (Sep-19 to	PARAMETER							
					Samp ID & Dt	BOD	COD	DOX	FCO	pH	TCO
TAPI	RIVER TAPI AT SARDAR BRIDGE	YES	September		05/09/2019	1.62	12	6.71	8	7.46	46
TAPI	RIVER TAPI AT SARDAR BRIDGE	YES	October		04/10/2019	2.18	23	6.49	11	7.37	63
TAPI	RIVER TAPI AT SARDAR BRIDGE	YES	November		05/11/2019	1.84	19	6.76	9	7.68	61

River	Name of Location	Monthly sampling & Analysis done	Priority based on results of (Sep-19 to	PARAMETER					
				Samp ID & Dt	BOD	DOX	FCO	pH	TCO
TAPI	UMARA TEMPLE	YES	September	05/09/2019	1.7	6.41	9	7.35	53
TAPI	UMARA TEMPLE	YES	October	04/10/2019	1.8	6.58	9	7.42	83
TAPI	UMARA TEMPLE	YES	November	05/11/2019	1.74	6.81	11	7.64	83

Sr. No	STP Name	PARAMETERS								
		Samp ID & Dt	samp_pt	BOD	COD	DOX	FCO	pH	SS	TMP
1	Sewage Treatment Plant-Signapore	Permissible Values		20					30	
		13/09/2019	~	12			9	7.19	28	32
2	Sewage Treatment Plant-gavier	Samp ID & Dt	samp_pt	BOD	FCO	pH	SS	TMP		
		05/11/2019	From final	7	6	7.49	26	30		
		23/10/2019	from final	31	4	7.12	28	27		
		266517-13/09/2019	Final Outlet of STP ~	11	9	7.2	30	32		