



A/WG/584/2018
December 30, 2018

To
Regional Office
Ministry of Environment, Forest & Climate Change
Western Region
Kendriya Paryavaran Bhawan
Link Road No.3, Ravi Shankar Nagar
Bhopal- 462016

Kind Attn: Mr. Pamposh Mohan Koul, Technical Officer (Forestry)

Sub: Diversion of 11.268 Ha Protected/ Section-4 Forest land for 2504 meter long and 45 meter wide treated waste water pipeline of M/s. Tata Chemicals Limited in District Devbhumi Dwarka
Ref: MoEFCC, Regional Office, Bhopal letter No. 6-GJC 071/2018-BHO/967 dated 27.12.2018

Respected Sir,

With reference to the aforesaid subject and above cited reference; we would like to apprise your goodself that Ministry of Environment, Forest & Climate Change notified the revised Effluent standards for soda ash industry (S. No. 75, A. Solvay Process) under Environment (Protection) (Fourth Amendment) Rules, 2011 vide Govt. of India Gazette Notification G.S.R. 424(E) dated 1st June 2011.

To comply with the revised effluent discharge norms for Soda Ash Industry, study carried out by National Institutes of Oceanography (NIO) identified Marine outfall point in the Sea (Gulf of Kutchh) to release treated waste water through pipeline and diffuser system as required in revised effluent discharge standards.

TCL has already obtained CRZ, ESZ, Wildlife approvals and GMB/ GPCB NOCs for laying of pipelines and diffuser system as detailed below;

TATA CHEMICALS LIMITED

Mithapur 361 345 District Devbhoomi Dwarka Gujarat
Tel + 91 (02892) 665991 / 2 / 3 / 4 Fax + 91 (02892) 223361 www.tatachemicals.com
Registered Office Bombay House 24 Homi Mody Street Fort Mumbai 400 001
CIN : L24239MH1939PLC002893



1. CRZ CLEARANCE from Ministry of Environment, Forest & Climate Change vide letter No. F.No. 11-34/2016-IA-III dated 10 July, 2017 and recommendations of Gujarat Coastal Zone Management Authority (GCZMA) letter No. ENV- 10-2016-74-E (T cell) dated 28.06.2016
2. ESZ CLEARANCE from State Level Eco Sensitive Zone Monitoring Committee (SESZMC), Gujarat letter No. ENV- 10-2015-143-E dated 02.02.2016
3. WILDLIFE CLEARANCE from Standing Committee of National Board of Wildlife vide Gujarat Govt. letter No. WLP/32/B/1813-18/2017-18 dated 01.06.2017
4. No Objection Certificate from Gujarat Maritime Board (GMB); First NOC- GMB/N/PVT-1/1678/395/7124 dated 16/17 December, 2015 and Second NOC - GMB/N/PVT-1/1678/418/8046 dated 7 October, 2017
5. Consent to Establish from Gujarat Pollution Control Board (GPCB) vide CTE-Amendment Order No. 70701 dated 1 October, 2015

TCL submitted proposal for Forest Clearance (Online portal Proposal No.: FP/GJ/IND/33165/2018) under the Forest Conservation Act, 1980. The proposal has been recommended by the Govt. of Gujarat vide letter no. FCA-1018/4-07/18/S.F-157/F dated 29.10.2018. In this regard, we hereby submit the following point-wise response and clarifications for details sought by MoEFCC, Regional Office, Bhopal vide letter No. 6-GJC 071/2018-BHO/967 dated 27.12.2018:

1. **Comparative statement for alternatives shall be submitted.**
Response: The proposal is for upgradation of existing effluent management system by disposal of treated waste water through trestle mounted pipelines and diffuser system to Marine outfall point selected by National Institute of Oceanography. Proposed route of treated waste water pipeline system is considered based on least area (11.26 Ha) requirement in notified Marine Sanctuary/ Protected (Section-4) Forest area. Alternative route 1 (Area 15.57 Ha) and route 2 (Area 16.425 Ha) are not considered due to more area requirements in notified marine Sanctuary. Comparative statement showing proposed route and alternate routes are included in Checklist no 35 of the proposal document.

Proposed route: Length in marine sanctuary/ Reserve Forest- 2.504 Km (Area 11.268 Ha)

Alternate route 1: Length in marine sanctuary/ Reserve Forest- 3.46 Km (Area 15.57 Ha)

Alternate route 2: Length in marine sanctuary/ Reserve Forest- 3.65 Km (Area 16.425 Ha)

TATA CHEMICALS LIMITED

Mithapur 361 345 District Devbhoomi Dwarka Gujarat
Tel + 91 (02892) 665991 / 2 / 3 / 4 Fax + 91 (02892) 223361 www.tatachemicals.com
Registered Office Bombay House 24 Homi Mody Street Fort Mumbai 400 001
CIN : L24239MH1939PLC002893

N. Kamath



A justification note showing both alternate routes and proposed route is enclosed as Annexure-1.

2. FRA certificate shall be submitted and uploaded on webportal.

Response: Copy of FRA certificate issued in prescribed Format (Form-1 for linear projects) by Office of the District Collector Devbhumi Dwarka vide letter no. JMN/WS/1599/2018 dated 30.07.2018 is enclosed as Annexure-2.

3. Site Inspection report in prescribed format of concerned DFO shall be submitted and uploaded on webportal.

Response: Revised Site inspection report in prescribed format shall be submitted and uploaded on webportal by DFO, Marine National Park, Jamnagar.

4. Survey of India Toposheet Map of CA shall be submitted and uploaded on webportal.

Response: Toposheet for the subject area is restricted due to national security requirements. However, Map showing survey no. 114 of Vasai Village, Taluka Dwarka, District Devbhumi Dwarka along with corner coordinates is included in checklist no. 18 of proposal document. Copy of the Map showing CA land is enclosed as Annexure-3.

5. State Govt. Gujarat in its letter no. dated 29.10.2018 had mentioned CA on Forest land but CA scheme is for non-Forest land. This may be clarified whether CA is on Forest land or non-Forest land.:

Response: CA scheme is for non-forest land (11.268 Ha) identified in survey no. 114 of Vasai Village, Taluka Dwarka, District Devbhumi Dwarka. Map showing the CA land is enclosed as Annexure-3. We request DFO, MNP Jamnagar/ Govt. of Gujarat to confirm about the type of CA land.

6. Detailed CA scheme for 10 years shall be submitted and uploaded on webportal.

Response: We request DFO, Marine National Park, Jamnagar to submit detailed CA scheme for 10 years and upload the same on webportal.

7. Copy of Part-II and Part-III shall be uploaded on webportal.

Response: We request DFO, Marine National Park, Jamnagar to submit copy of Part-II and Part-III and upload the same on webportal.

8. The CWLW Clearance vide letter no. dated 1/6/17 is for Block no. 25 but proposal is submitted for Block no. 65. This variation in Block no. shall be clarified.

TATA CHEMICALS LIMITED

Mithapur 361 345 District Devbhoomi Dwarka Gujarat
Tel + 91 (02892) 665991 / 2 / 3 / 4 Fax + 91 (02892) 223361 www.tatachemicals.com
Registered Office Bombay House 24 Homi Mody Street Fort Mumbai 400 001
CIN : L24239MH1939PLC002893

Nkamath



Response: The same area of proposal is notified under the Wildlife Protection Act 1972 (Block No. 25 of Gulf of Kutchh Marine Sanctuary) and Indian Forest Act, 1927 (Block no. 65 of Protected/ Section-4 Forest). Hence, Wildlife Clearance granted by Standing Committee of National Board of Wildlife vide Gujarat Govt. letter No. WLP/32/B/1813-18/2017-18 dated 01.06.2017 is for Block no. 25 of notified Marine Sanctuary and the proposal submitted under FCA is for Block no. 65 of Protected/ Section-4 Forest. Copies of respective notifications are enclosed as Annexure-4.

9. **The DSS analysis shows that KML file proposed diversion is not marked properly. So, KML file of proposed diversion of 45 mtr. width shall be submitted with accurate proposed area.**

Response: KML file of proposed diversion of 45 mtr. width is submitted with accurate proposed area herewith as Annexure-5.

Considering the above, we request you to kindly include the subject proposal in Agenda of Regional Empowered Committee meeting to be held on 2nd January 2018.

Thanking you and with regards,
For Tata Chemicals Ltd.

N Kamath
Vice President- Manufacturing
(Authorized Signatory)

Encl: As above (Annexure- 1 to 5)

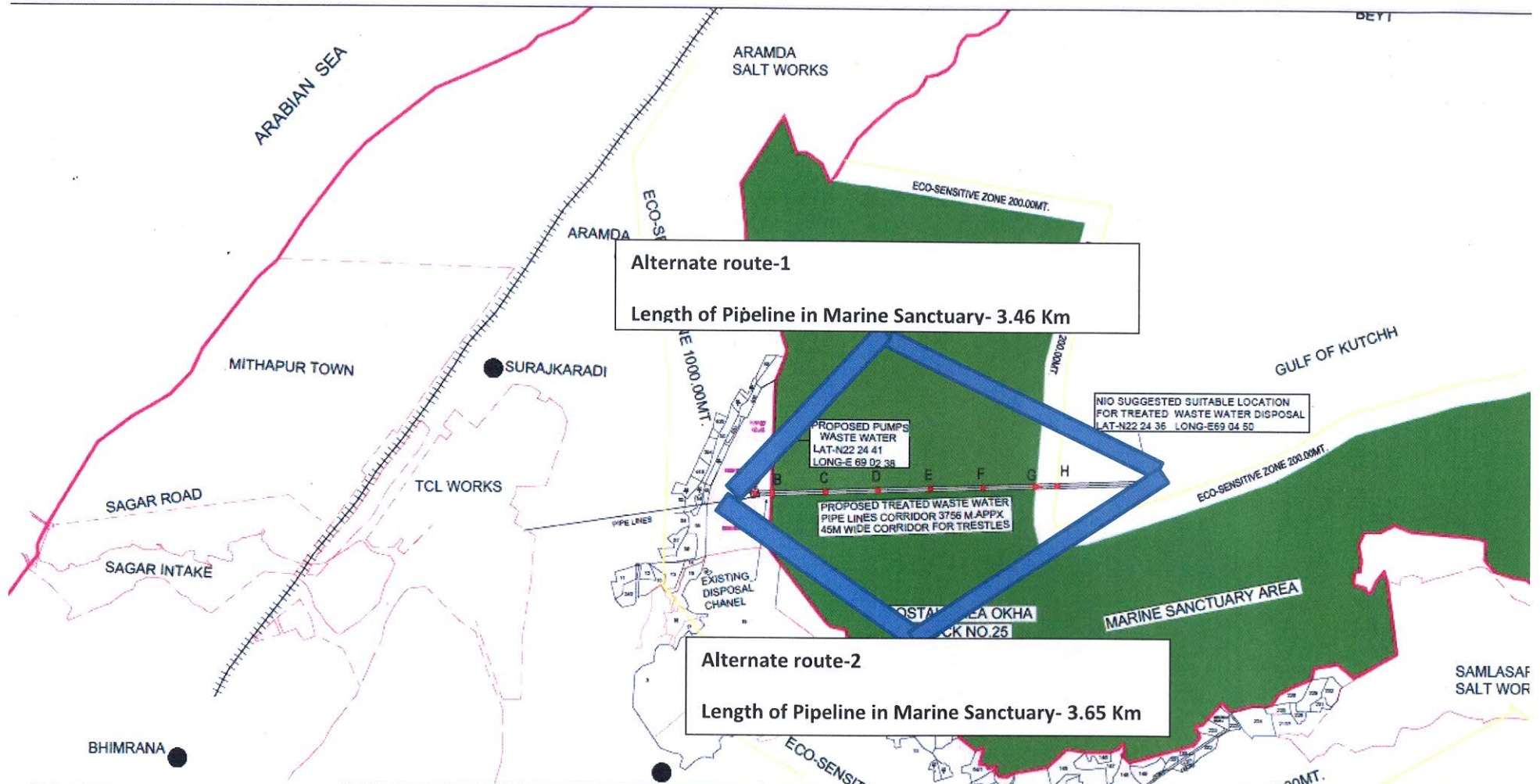
Copy to:

1. The APCCF and Nodal Officer (Forest Conservation), Gandhinagar (Gujarat)
2. The DCF, MNP, Jamnagar

TATA CHEMICALS LIMITED

Mithapur 361 345 District Devbhoomi Dwarka Gujarat
Tel + 91 (02892) 665991 / 2 / 3 / 4 Fax + 91 (02892) 223361 www.tatachemicals.com
Registered Office Bombay House 24 Homi Mody Street Fort Mumbai 400 001
CIN : L24239MH1939PLC002893

Alternate route:



Justification: Proposed route is considered based on minimum area requirement in notified Sanctuary. Alternate route-1 and 2 are not considered due to more area requirement in Sanctuary.

The proposal is for Up gradation of effluent management system by disposal of treated waste water through trestle mounted pipelines and diffuser system to Marine outfall point suggested by National Institute of Oceanography

FORM-1

(for linear projects)

Government of Gujarat

Office of the District Collector Devbhumi Dwarka

No.JMN/WS/1599/2018

Date 30/07/2018

TO WHOWSOEVER IT MAY CONCERN

In compliance of the Ministry of Environment and Forests (MoEF), Government of India's letter No.11-9/98-FC(pt.) dated 3rd. August 2009 wherein the MoEF issued guidelines on submission of evidences for having initiated and completed the process of settlement of rights under the Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 ('FRA', for short) on the forest land proposed to be diverted for non-forest purposes read with MoEF's letter dated 5th February 2013 wherein MoEF issued certain relaxation in respect of linear projects, it is certified that 11.2680 hectares of forest land proposed to be diverted in favour of Tata chemicals limited for treated waste water pipeline in Devbhoomi Dwarka District falls within jurisdiction of Block No. 25 in Marine Sanctuary, Arambhada village in Dwarka Tehsil.

It is further certified that:

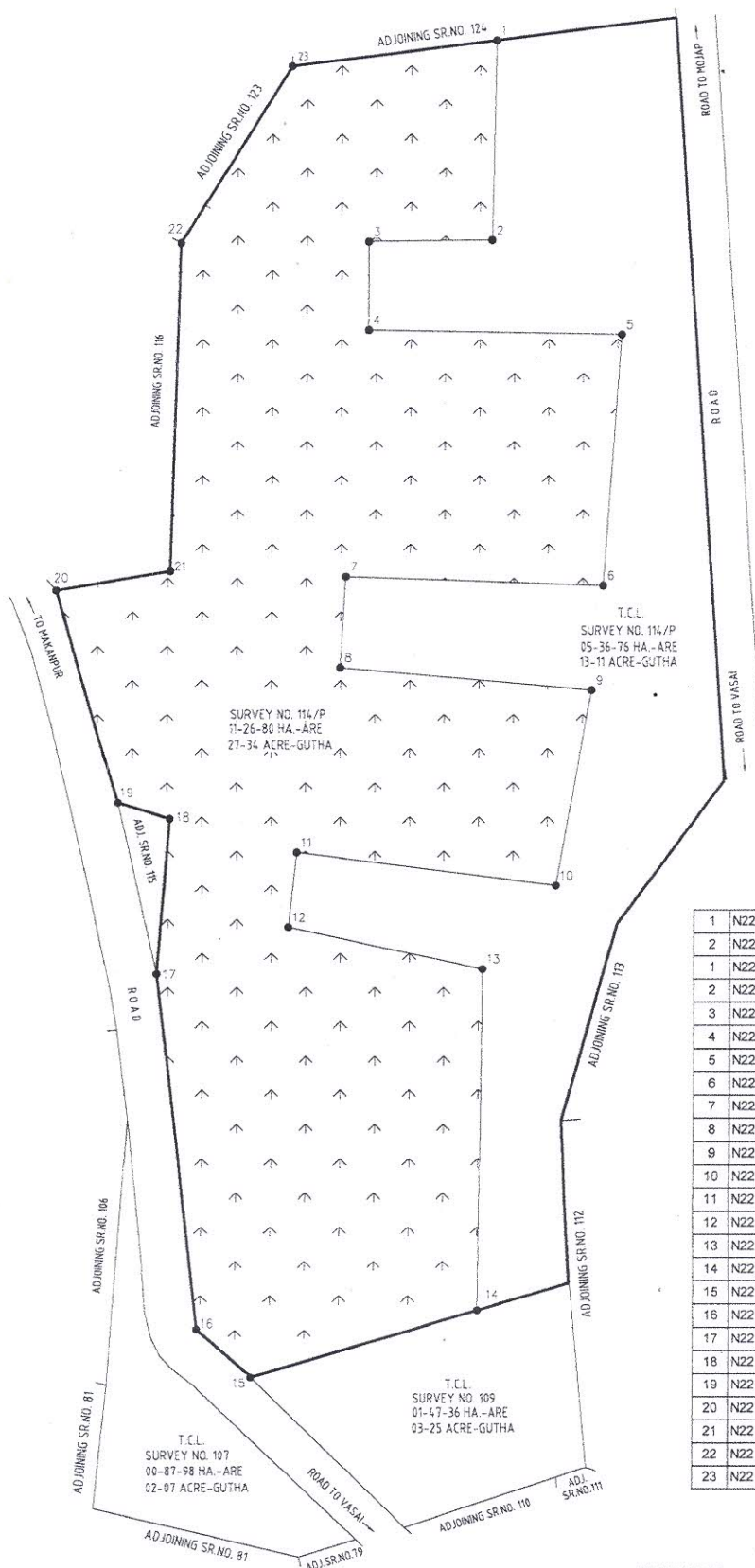
No	Particulars	Status
(a)	The complete process for identification and settlement of rights under the FRA has been carried out for the entire 11.2680 hectares of forest area proposed for diversion. A copy of records of all consultations and meetings of the Forest Rights Committee(s), Gram Sabha(s), Sub Division Level Committee(s) and the District Level Committee are enclosed as annexure.	It is not applicable because Arambhada village falls under Okha nagar palika so gram sabha and Forest Rights committee(s), are not constituted.
(b)	The diversion of forest land for facilities managed by the Government as required under section 3 (2) of the FRA have been completed and the Grama Sabhas have given their consent to it;	Not applicable because Arambhada village falls under Okha nagar palika so gram sabha is not constituted.
(c)	The proposal does not involve recognised rights of Primitive Tribal Groups and Pre-agricultural communities.	It is certified that proposal does not involve recognized rights of Primitive Tribal Groups and Pre-agricultural communities



(J. R. Dodiya)
Collector,
Devbhumi Dwarka

To.
Tata Chemicals Limited (RPAD)
Mithapur, Dist. Devbhumi Dwarka,

MAP SHOWING SURVEY NO.114 OF VASAI VILLAGE TA.DWARKA, DIST.DEVBHUMI DWARKA



1	N22 19 54.2	E68 59 53.9
2	N22 19 50.8	E68 59 53.9
1	N22 19 54.2	E68 59 53.9
2	N22 19 50.8	E68 59 53.9
3	N22 19 50.8	E68 59 51.6
4	N22 19 49.3	E68 59 51.6
5	N22 19 49.2	E68 59 56.2
6	N22 19 44.9	E68 59 55.8
7	N22 19 45.1	E68 59 51.2
8	N22 19 43.5	E68 59 51.1
9	N22 19 43.2	E68 59 55.6
10	N22 19 39.9	E68 59 55.0
11	N22 19 40.4	E68 59 50.3
12	N22 19 39.1	E68 59 50.2
13	N22 19 38.4	E68 59 53.7
14	N22 19 32.6	E68 59 53.9
15	N22 19 31.4	E68 59 49.7
16	N22 19 32.3	E68 59 48.6
17	N22 19 38.3	E68 59 47.8
18	N22 19 41.0	E68 59 48.1
19	N22 19 41.3	E68 59 47.1
20	N22 19 44.9	E68 59 46.0
21	N22 19 45.2	E68 59 48.1
22	N22 19 50.7	E68 59 48.2
23	N22 19 53.8	E68 59 50.23

TATA CHEMICALS LTD.

(D. B. SHUKLA)
Deputy General Manager
HR & Administration

Plotted
18/11/11

PROPOSED LAND FOR AFFORESTATION

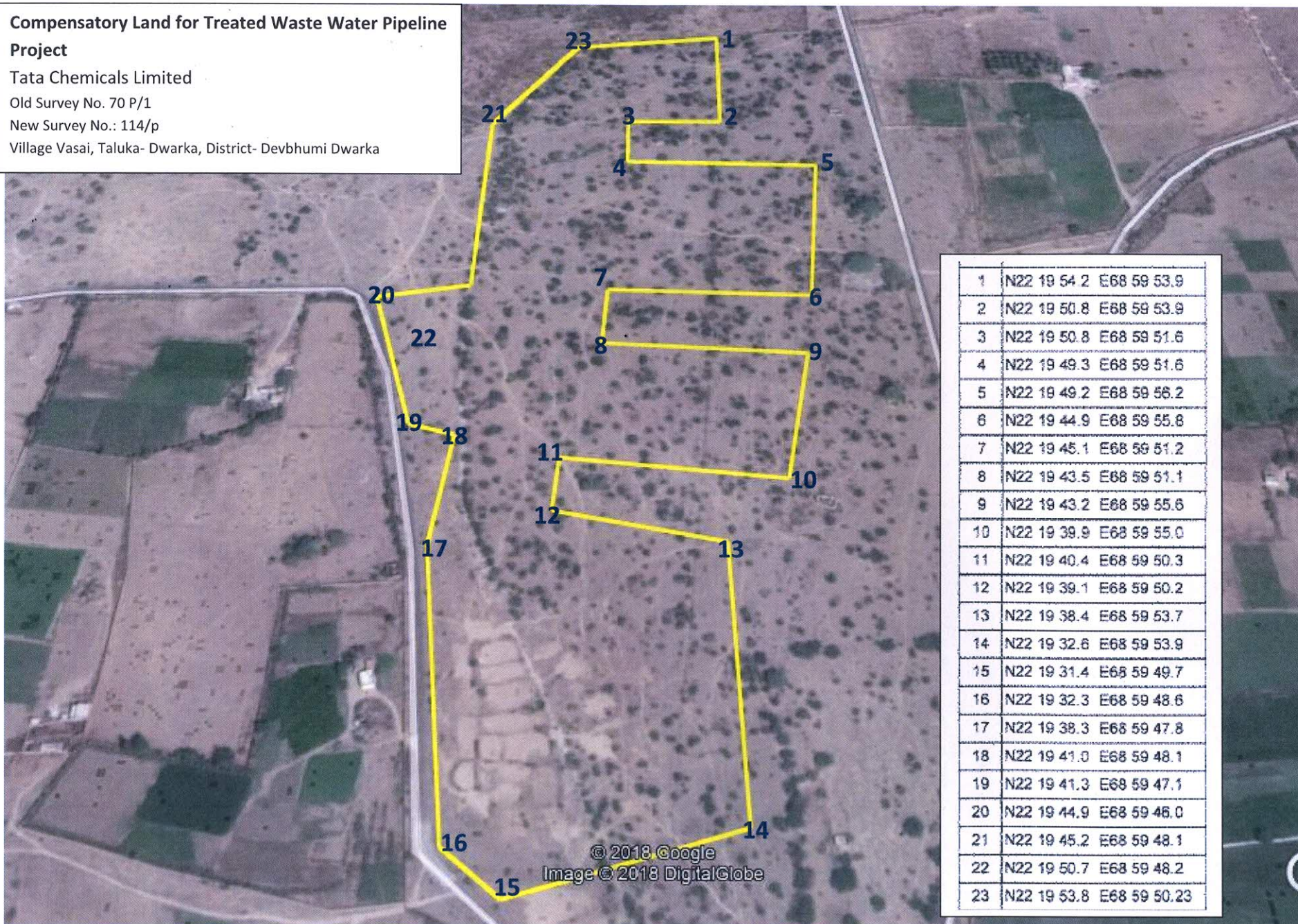
Compensatory Land for Treated Waste Water Pipeline Project

Tata Chemicals Limited

Old Survey No. 70 P/1

New Survey No.: 114/p

Village Vasai, Taluka- Dwarka, District- Devbhumi Dwarka



1	N22 19 54.2 E68 59 53.9
2	N22 19 50.8 E68 59 53.9
3	N22 19 50.8 E68 59 51.6
4	N22 19 49.3 E68 59 51.6
5	N22 19 49.2 E68 59 56.2
6	N22 19 44.9 E68 59 55.8
7	N22 19 45.1 E68 59 51.2
8	N22 19 43.5 E68 59 51.1
9	N22 19 43.2 E68 59 55.6
10	N22 19 39.9 E68 59 55.0
11	N22 19 40.4 E68 59 50.3
12	N22 19 39.1 E68 59 50.2
13	N22 19 38.4 E68 59 53.7
14	N22 19 32.6 E68 59 53.9
15	N22 19 31.4 E68 59 49.7
16	N22 19 32.3 E68 59 48.6
17	N22 19 38.3 E68 59 47.8
18	N22 19 41.0 E68 59 48.1
19	N22 19 41.3 E68 59 47.1
20	N22 19 44.9 E68 59 46.0
21	N22 19 45.2 E68 59 48.1
22	N22 19 50.7 E68 59 48.2
23	N22 19 53.8 E68 59 50.23

FOREST & ENVIRONMENT DEPARTMENT

SACHIVALAYA, GANDHINAGAR,

DATED, 19 MAY 1999.

NOTIFICATION

Indian Forest Act, 1927 (XVI of 1927)

No. CVN /1999/(8) /JJM/1692/1652/K; In exercise of the powers conferred by section-4 and 17 of the Indian Forest Act, 1927 (X VI of 1927) in its application to the State of Gujarat (hereinafter referred as the said Act) the Government of Gujarat hereby :-

- (1) (a) declares that it has been decided to constitute the cher jungles of Jamnagar district specified in the schedule appended hereto, as reserved forest and,
- (b) Appoints the Forest Settlement Officer, Junagadh (hereinafter referred to as the said Forest Settlement Officer) to be the Officer for the purpose of clause (c) of sub-section (1) of section 4 and,
- (2) Appoints the Collector of Jamnagar district to hear the appeals from any orders passed by the said Forest Settlement Officer, under section 11,12,15 and 16 of said act.

Notification No. AKH-134/76-FLD/1675/80208/P dt. 9.7.1976 in the schedule annexed to the areas already declared as "MANGROVES FOREST" under Section -4.

SCHEDULE

Mangrove Forests

District:- Jamnagar.

Sr	Name of the Area	Area in Ha.	Boundaries.
65	Coastal area near Okha.	5000-00	North :- Gulf of Pohshitra South :-Revenue boundary of Arambhda, Padli, Humusar, Samlasar and Poshitra village. East :-Bet shankhodwar Boria Reef, Marodi Bet, and Divdi Bet. West :-Revenue boundary Arambhada and Poshitra village.
66	Area of west side of (Bay of Pindhara)	700-00	North :- Revenue boundary of Poshitra Village and Divdi Bet. South :- Land of Tata Chemicals Ltd., revenue boundary of Khalumba village and boundary of Desert East :- Bay of Pindhara West :- Revenue boundary of Mulvel and Khatumba village.
67	Coral ara of Devdi and Dhabdhaba	100-00	North :- Gulf of Kutch towards boria Reef. South :- Gulf of Kutch East :- Gulf of Kutch towards lafa Marodi and Manmarodi Bet. West :- Gulf of Kutch

Agriculture and Forests Department.

NOTIFICATION

Sachivalaya, Gandhinagar, 20th July 1982.

The Wild Life (Protection) Act, 1972.

No. AKH-138(1)/82-WLP-1081-126827-V-2-Whereas the Government of Gujarat considers that the area, the limits of which are defined in the schedule annexed hereto is of adequate, ecological, faunal, floral, geomorphologic natural or zoological significance for the purpose of protecting, propagating and developing wild life and its environments Now, therefore, in exercise of the powers conferred by section 18(1) of the Wild Life (Protection) Act, 1972 (53 of 1972), the Government of Gujarat hereby declares the Forests Areas in the Gulf of Kutch falling in Jamnagar Forests Division, Jamnagar District, Jamnagar specified in the schedule annexed hereto as a Marine Sanctuary in addition to the areas already declared as "Marine sanctuary , in addition to the areas already declared as "Marine Sanctuary" vide notification No. AKH-140-80-WLP-1079-109483-P2 of 12-8-1980.

SCHEDULED

Limits of the areas hereby declared as "Marine Sanctuary"

Sr No.	Name of Jungle.	Area Ha.	Boundaries
1	Coral area near Mithapur Village.	56.00	N : Gulf of Kutch towards Arambhada S : Gulf of Kutch towards Mithapur village E : Revenue area of Mithapur village W : Gulf of Kutch
2	Coral area near Okkha Village	56.00	N : Gulf of Kutch towards Samiani Island E : Gulf of Kutch towards Shankhodwar Island S : Gulf of Kutch W : Gulf of Kutch towards Arambhada Reef
3	Coral area of Chandri Reef	266.00	N : Gulf of Kutch S : Gulf of Kutch E : Gulf of Kutch towards chunba reef. W : Gulf of Kutch
4	Coral area near Shankhodwar	70.00	N : Gulf of Kutch towards Chandri Reef S : Gulf of Kutch towards Shankhodwar Island E : Gulf of Kutch towards Paga Reef W : Gulf of Kutch towards Samiyani Island
5	Boria Reef	560.00	N : Gulf of Kutch towards Paga Reef S : Gulf of Kutch towards Lafa Marodi and Man Marodi Islands. E : Gulf of Kutch towards Chusna W : Gulf of Kutch

16	Coral area in the eastern part of goose reef	56.00	N : Gulf of Kutch S : Gulf of Kutch E : Munda reef W : Sikka creek
17	Coral ara near Pirotan Island.	140.00	North: Gulf of Kutch. South; Pirotan Island. East : Gulf of Kutch West : Gulf of Kutch
18	Additional area of Jindra bet.	770.00	North: Gulf of Kutch South: Kothanu Jungle. East : Gulf of Kutch West : Jindra cher forests.
19	Chhad Island	1063.00	N : Gulf of Kutch towards Pirotan Island S : Gulf of Kutch E : Jindra Cher forests W : Gulf of Kutch towards Bhesbid
20	Didika and Mudeka island	1344.00	North: Gulf of Kutch South: Desa Reef East : Gulf of Kutch towards Bhesbid. West : Mundra Reef.
21	Rozi Island.	332.00	North: Rozi cher forest. South: Gulf of Kutch. East : Gulf of Kutch. West : Gulf of Kutch.
22	Khimra khat and Guru Island.	56.00	North: Gulf of Kutch South: Garu cher forest. East : Gulf of Kutch West : Gulf of Kutch.
23	Sanbelia Island.	28.00	North; Gulf of Kutch South: Gulf of Kutch East : Gulf of Kutch West : Gulf of Kutch
24	Laa Marodi and Man marudi	5.00	N : Gulf of Kutch towards Boria reef S : Gulf of Kutch E : Gulf of Kutch towards Marodi Island W : Gulf of Kutch towards Dhabdhada island.
25	Gulf of Area near Okha	4648	North: Positra Bay South: Bamsur and Poshitra village boundary East : Boria reef, Marodi bet and Devdi island. West : Boundaries of Okha and Arambhada village.



Start_Top_Corner_A: 22°24'41.73"N; 69° 2'38.63"E
Start_Bottom_Corner_B: 22°24'40.27"N; 69° 2'38.57"E

End_Bottom_Corner_C: 22°24'35.47"N; 69° 4'50.47"E
End-Top_Corner_D: 22°24'36.92"N; 69° 4'50.53"E