

APPENDIX – I
(See paragraph – 6)
FORM 1

Basic Information:

S. No	Item	Details
1	Name of the project/s:	20 MLD Common Effluent Treatment Plant (ZLD) with recycling of treated waste water for textile processing industries
2	S. No. in the schedule	7(h) Common Effluent Treatment Plant
3.	Proposed capacity/area/length/tonnage to be handled/command area/lease area/number of Wells to be drilled.	20 MLD (ZLD)
4.	New/Expansion/Modernization	New
5.	Existing Capacity Area etc.	As mentioned in Point no. 3 above
6.	Category of Project i.e.' A' or 'B'	Category- "A" (As the term of State Level Committee in state of Gujarat has been ended and no committee is existent as on today, we are submitting this proposal as category A project.)
7.	Does it attract the general condition? If yes, Please specify.	No
8.	Does it attract the specific condition? If 'yes, Please specify.	No
9.	Location	Latitude: 21°21'48.06"N Longitude: 73°2'13.84"E
	Plot/Survey/Khasra No.	Block No. 1163/1, 1163/2, 1163/3, 1164, 1171, 1175/1, 1175/2, 1178
	Village	Tadkeshwar
	Tehsil	Mandavi
	District	Surat
	State	Gujarat
10.	Nearest railway station/airport along with Distance in kms.	Nearest Airport- Surat (approx. 45 Kms)
11.	Nearest Town, city, District Headquarters Along with distance in kms.	Nearest Village : Tadkeshwar (approx. 2 Kms) Nearest City : Surat (approx. 45 Kms)
12.	Village Panchayats, Zilla Parishad, Municipal Corporation, Local body (complete postal Address with telephone nos. to be given)	Tadkeshwar Village Panchayat Tehsil: Mandavi District: Surat, Gujarat.
13.	Name of the applicant	TDK Green Enviro Private Limited

14.	Registered Address	3rd Floor, Dawer Chambers, Besides Sub Jail, Ring Road, Surat
15.	Address for correspondence:	TDK Green Enviro Private Limited 3rd Floor, Dawer Chambers, Besides Sub Jail, Ring Road, Surat
	Name	Mr. Yogesh Mistry
	Designation (Owner/Partner/CEO)	Project Manager
	Address	TDK Green Enviro Private Limited 3rd Floor, Dawer Chambers, Besides Sub Jail, Ring Road, Surat
	Pin Code	395002
	E-mail	yogesh.mistry@shahlon.com
	Telephone No.	0261-4190200
	Fax No.	0261-2635550
16.	Details of Alternative Sites examined, if any. Location of these sites should be shown on a topo sheet.	N.A.
17.	Interlinked Projects	No
18.	Whether separate application of interlinked Project has been submitted?	N.A.
19.	If yes, date of submission	N.A.
20.	If no, reason	N.A.
21.	Whether the proposal involves approval / clearance under: if yes, Details of the same and their status to be given. The Forest (Conservation) Act, 1980 The Wildlife (Protection) Act, 1972 The C.R.Z. Notification, 1991	No
22.	Whether there is any Government Order/ Policy relevant/ relating to the site?	N.A.
23.	Forest land involved (hectares)	No
24.	Whether there is any litigation pending against the project and /or land in which the project is propose to be set up? Name of the Court Case No. Orders/directions of the Court, if any and its relevance with the proposed project.	No

Capacity corresponding to sectoral activity (such as production capacity for manufacturing, mining lease area and production capacity for mineral production, area for mineral exploration, length for linear transport infrastructure, generation capacity for power generation etc.,)

(II) Activity

1. Construction, operation or decommissioning of the Project involving actions, which will cause physical changes in the locality (topography, land use, changes in water bodies, etc.)

S.No.	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities /rates, wherever possible) with source of information data
1.1	Permanent or temporary change in land use, land cover or topography including increase in intensity of land use (with respect to local land use plan)	Yes	The proposed project shall be executed on N.A. Land. Leveling of the site for construction work shall be done. However, top soil shall be stored at separate place and reused for gardening purpose.
1.2	Clearance of existing land, vegetation and buildings?	Yes	The proposed project shall be executed on N.A. land.
1.3	Creation of new land uses?	No	There will be creation of no new land uses.
1.4	Pre-construction investigations e.g. bore houses, soil testing?	No	Not Applicable
1.5	Construction works?	Yes	The construction work for foundations and other structures for proposed CETP units will be done.
1.6	Demolition works?	No	Not Applicable
1.7	Temporary sites used for construction works or housing of construction workers?	No	Workers will be hired from nearby villages so no housing facility is required. However, temporary rest shelters will be provided at the site.
1.8	Above ground buildings, structures or earthworks including linear structures, cut and fill or excavations	Yes	The earthwork shall be required for lying foundations for different CETP units and other buildings.
1.9	Underground works including mining or tunneling?	No	Not applicable
1.10	Reclamation works?	No	Not applicable
1.11	Dredging?	No	Not applicable
1.12	Offshore structures?	No	Not applicable
1.13	Production and manufacturing processes?	No	Detailed Process Description for proposed facility of CETP is described in attached Prefeasibility Report (PFR) point No. 3.5

1.14	Facilities for storage of goods or materials?	No	Not applicable
1.15	Facilities for treatment or disposal of solid waste or liquid effluents?	Yes	The CETP itself is a treatment facility for effluent generated from the member industries. The CETP shall be based on ZLD system and treated effluent shall be recycled back to the member industries. Details are provided in PFR, point No. 3.5
1.16	Facilities for long term housing of operational workers?	No	Workers will be hired from nearby villages so no housing facility is required. However, temporary rest shelters will be provided at the site.
1.17	New road, rail or sea traffic during construction or operation?	No	N.A.
1.18	New road, rail, air waterborne or other transport infrastructure including new or altered routes and stations, ports, airports etc?	No	N.A.
1.19	Closure or diversion of existing transport routes or infrastructure leading to changes in traffic movements?	No	N.A.
1.20	New or diverted transmission lines or pipelines?	No	N.A.
1.21	Impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers?	No	N.A.
1.22	Stream crossings?	No	N.A.
1.23	Abstraction or transfers of water from ground or surface waters?	No	Recycled water shall be used for preparation of various treatment chemical solutions.
1.24	Changes in water bodies or the land surface affecting drainage or run-off?	No	N,A.
1.25	Transport of personnel or materials for construction, operation or decommissioning?	Yes	Laborers and raw material will be transported via the existing Infrastructure
1.26	Long-term dismantling or decommissioning or restoration works?	No	N.A.
1.27	Ongoing activity during decommissioning which could have	No	N.A.

	an impact on the environment?		
1.28	Influx of people to an area in either temporarily or permanently?	Yes	Priority will be given to local area people for preconstruction and post operation of the plant.
1.29	Introduction of alien species?	No	N.A.
1.30	Loss of native species or genetic diversity?	No	N.A.
1.31	Any other actions?	No	N.A.

2. Use of Natural resources for construction or operation of the Project (such as land, water, materials or energy, especially any resources which are non-renewable or in short supply):

S.No.	Information/checklist confirmation	Yes/No	Details thereof (with approximate quantities /rates, wherever possible) with source of information data
2.1	Land especially undeveloped or agricultural land (ha)	No	The proposed project shall be executed on non-agricultural (N.A.) Land.
2.2	Water (expected source & competing users) unit: KLD	Yes	Proposed Total : 1045 KL/day For details on water consumption please refer PFR, point No. 3.8
2.3	Minerals (MT)	No	Not applicable
2.4	Construction material – stone, aggregates, sand / soil (expected source – MT)	Yes	Construction materials, like steel, cement, crushed stones, sand, rubble, etc. required for the project shall be procured from the local market of the region.
2.5	Forests and timber (source – MT)	No	N.A.
2.6	Energy including electricity and fuels (source, competing users) Unit: fuel (MT), energy (MW)	Yes	Fuel Proposed total : LDO @ 300 Ltr./Hr. Coal @ 90 Tone /Day Energy : Proposed total: 2000 KVA
2.7	Any other natural resources (use appropriate standard units)	No	NA

3. Use, storage, transport, handling or production of substances or materials, which could be harmful to human health or the environment or raise concerns about actual or perceived risks to human health.

S. No.	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities /rates, wherever possible) with source of information data
3.1	Use of substances or materials, which are hazardous (as per MSIHC rules) to human health or the environment (flora, fauna, and water supplies)	No	The proposed project is for treatment of effluent from member industry.
3.2	Changes in occurrence of disease or affect disease vectors (e.g. insect or water borne diseases)	No	N.A.
3.3	Affect the welfare of people e.g. by changing living conditions?	Yes	Improved living condition by direct & indirect employment.
3.4	Vulnerable groups of people who could be affected by the project e.g. hospital patients, children, the elderly etc.,	No	Not applicable
3.5	Any other causes	No	Not applicable

4. Production of solid wastes during construction or operation or Decommissioning (MT/month)

S.No.	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities /rates, wherever possible) with source of information data
4.1	Spoil, overburden or mine wastes	No	N.A.
4.2	Municipal waste (domestic and or commercial wastes)	No	Not applicable
4.3	Hazardous wastes (as per Hazardous Waste Management Rules)	Yes	Please refer Annexure -1.
4.4	Other industrial process wastes	No	N.A.
4.5	Surplus product	No	N.A.
4.6	Sewage sludge or other sludge from	Yes	During operation of the CETP sludge will be

	effluent treatment		generated and will be disposed in Secured landfill.
4.7	Construction or demolition wastes	Yes	Construction waste will be used for landfill application with in premises.
4.8	Redundant machinery or equipment	No	NA
4.9	Contaminated soils or other materials	No	In case of spillage, soil will be collected and stored and disposed of as per Hazardous waste management and handling rule 2016.
4.10	Agricultural wastes	No	-
4.11	Other solid wastes	No	NA

5. Release of pollutants or any hazardous, toxic or noxious substances to air (Kg/hr)

S.No.	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities /rates, wherever possible) with source of information data
5.1	Emissions from combustion of fossil fuels from stationary or mobile sources	Yes	Please refer Annexure -2 for the details
5.2	Emissions from production processes	No	N.A.
5.3	Emissions from materials handling including storage or transport	No	N.A.
5.4	Emissions from construction activities including plant and equipment	No	N.A.
5.5	Dust or odours from handling of materials including construction materials, sewage and waste	No	N.A.
5.6	Emissions from incineration of waste	No	N.A.
5.7	Emissions from burning of waste in open air (e.g. slash materials, construction debris)	No	N.A.
5.8	Emissions from any other sources	No	N.A.

6. Generation of Noise and Vibration, and Emissions of Light and Heat:

S. No.	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities /rates, wherever possible) with source of information data with source of information data
6.1	From operation of equipment e.g. engines, ventilation plant, crushers	Yes	Increase in noise level due to the movement of vehicles and construction machinery.
6.2	From industrial or similar processes	Yes	Controlled, localized noise from boiler operation
6.3	From construction or demolition	Yes	Adequate PPEs shall be provided to construction workers; however, this will be temporary phase.
6.4	From blasting or piling	No	N.A.
6.5	From construction or operational traffic	Yes	Increase in noise level due to the movement of vehicles and construction machinery.
6.6	From lighting or cooling systems	No	N.A.
6.7	From any other sources	No	N.A.

7. Risks of contamination of land or water from releases of pollutants into the ground or into sewers, surface waters, groundwater, coastal waters or the sea:

S. No.	Information/Checklist confirmation	Yes / No	Details thereof (with approximate quantities /rates, wherever possible) with source of information data
7.1	From handling, storage, use or spillage of hazardous materials	Yes	Hazardous waste will be handled and stored at site. Handling and storage shall be done as per the prescribed CPCB guidelines and in proper container as per prevailing guidelines to prevent contamination.
7.2	From discharge of sewage or other effluents to water or the land (expected mode and place of discharge)	Yes	The project is for installation of common effluent treatment plant which will be based on ZLD. Please refer Annexure -3 for details on effluent treatment.
7.3	By deposition of pollutants emitted to air into the land or into water	Yes	It is proposed to install required stack height along with air pollution control measures, So that total concentration of pollutant remains below prescribed limit. Please refer Annexure -2 for details on emission and Air

			<p>Pollution Control Devices.</p> <p>The unit shall be ZLD. Please refer Annexure - 3 for details on effluent treatment.</p>
7.4	From any other sources	No	N.A.
7.5	Is there a risk of long term build up of pollutants in the environment from these sources?	No	N.A.

8. Risk of accidents during construction or operation of the Project, which could affect human health or the environment

S.No.	Information/Checklist confirmation	Yes / No	Details thereof (with approximate quantities /rates, wherever possible) with source of information data
8.1	From explosions, spillages, fires etc from storage, handling, use or production of hazardous substances	Yes	<p>Storage Shed for the HW shall be constructed as per the CPCB Guidelines.</p> <p>Detailed risk assessment report will be prepared and mitigation measures will be implemented as per the CPCB guidelines.</p> <p>Provision of fire fighting facility and alarm system is available and will be provided for proposed project.</p>
8.2	From any other causes	No	--
8.3	Could the project be affected by natural disasters causing environmental damage (e.g. floods, earthquakes, landslides, Cloudburst etc)?	Yes	Project will be constructed as per the site specific earth quake zone design criterion and maximum flood level observed at the site.

9. Factors which should be considered (such as consequential development) which could lead to environmental effects or the potential for cumulative impacts with other existing or planned activities in the locality

Sr. No.	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities /rates, wherever possible) with source of information data
9.1	Lead to development of supporting, utilities, ancillary development or development stimulated by the project which could have impact on the environment e.g.: <ul style="list-style-type: none"> • Supporting infrastructure (roads, power supply, waste or waste water treatment, etc.) • housing development • extractive industries • supply industries • other 	Yes	The proposed project shall increase in employment; this will indirectly contribute to the development of entire area.
9.2	Lead to after-use of the site, which could have an impact on the environment	No	--
9.3	Set a precedent for later developments	No	--
9.4	Have cumulative effects due to proximity to other existing or planned projects with similar effects	No	--

(II) Environmental Sensitivity

Sr. No.	Areas	Name/ Identity	Aerial distance (within 15 km.) Proposed project location boundary
1	Areas protected under international conventions, national or local legislation for their ecological, landscape, cultural or other related value	None	N.A.
2	Areas which are important or sensitive for ecological reasons - Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests	None	N.A.
3	Areas used by protected, important or sensitive species of flora or fauna for	None	N.A.

	breeding, nesting, foraging, resting, over wintering, migration		
4	Inland, coastal, marine or underground waters	No	N.A.
5	State, National boundaries	No	N.A.
6	Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas	None	N.A.
7	Defence installations	None	N.A.
8	Densely populated or built-up area	Yes	Tadkeshwar village : Distance : 2 kms
9	Areas occupied by sensitive man-made land uses (hospitals, schools, places of worship, community facilities)	No	N.A.
10	Areas containing important, high quality or scarce resources (ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals)	No	NA
11	Areas already subjected to pollution or environmental damage. (those where existing legal environmental standards are exceeded)	No	NA
12	Areas susceptible to natural hazard which could cause the project to present environmental problems (<i>earthquakes, subsidence, landslides, erosion, flooding</i> <i>or extreme or adverse climatic conditions</i>)	No	NA

Proposed Terms of Reference for EIA studies - **Please Refer Annexure – 4 for proposed ToR.**

I hereby give undertaking that the data and information given in the application and enclosure are true to the best of my knowledge and belief and I am aware that if any part of the data and information submitted is found to be false or misleading at any stage, the project will be rejected and clearance given, if any to the project will be revoked at our risk and cost.

Date: 23rd June 2017

Place: Surat

Signature of the applicant



Mr. Yogesh Mistry
(Project Manager)

NOTE:

The projects involving clearance under coastal Regulation zone Notification, 1991 shall submit with the application a C.R.Z. map duly demarcated by one of the authorized agencies, showing the project activities, w.r.t. C.R.Z (at the stage of TOR) and the recommendations of the State coastal zone Management Authority (at the stage of EC). Simultaneous action shall also be taken to obtain the requisite clearance under the provisions of the C.R.Z. Notification, 1991 for the activities to be located in the CRZ.

The projects to be located within 10 km of the National parks, sanctuaries, Biosphere Reserves, Migratory corridors of wild Animals, the project proponent shall submit the map duly authenticated showing by chief wildlife warden showing these features vis-a-vis the project location and the Recommendation or comments of the Chief Wildlife Warden 'thereon (at the stage of EC)."

All correspondence with the Ministry of Environment & Forests including submission of application for TOR/Environment Clearances, subsequent Clarifications, as may be required from time to time, participation in the EAC Meeting on behalf of the project proponent shall be made by the authorized signatory only. The authorized signatory should also submit a document in support of his claim of being an authorized signatory for the specific project.

LIST OF ANNEXURES

SR. NO.	NAME OF ANNEXURE
1	Details of Solid / Hazardous waste generation
2	Details on Air Pollution Control
3	Details on Effluent Treatment
4	Process Block Diagram
5	Proposed Terms of Reference
6	Certificate of Incorporation Consequent upon Conversion from Public Company to Private Company

Annexure -1

Details of Solid / Hazardous waste generation

Cat. No.	Solid / Hazardous Waste	Source of Waste	Generation Quantity	Disposal
	Hazardous Waste			
34.3	CETP Sludge	From CETP- Chemical Sludge	50 MT/Day	Disposal to Secured Land Fill Site / Cement co-processing as Gypsum sludge
5.1	Used Oil	Plant & Machinery	50 Liters/Year	Collection / Storage / Transportation / sent to registered recycler / reuse as a lubricant / Incineration
33.3	Used drums /barrels /containers /bags / liners containers / barrels / liners	Along with waste	-	Storage, Cleaning, sell to authorized recycler / To CHTSDF site
37.3	MEE Salts	From MEE	80 MT/Day	Reuse/Recycle as salt (based on feasibility) / Disposal to Secured Land Fill
	Solid Waste			
	CETP Sludge	Biological sludge	20 MT/Day	Cement Co-Processing
	Bottom Ash / Fly Ash from Coal Boiler	Coal Boiler	12 MT/Day	Cement Co-Processing/ Land Use/ Brick Manufacturer/ Construction agregate

Annexure -2

Details on Air Pollution Control

Sr. No	Sources of Air Pollution	Fuel Used	Mitigation Measures	Stack / Vent	Pollutants
1	Boiler, 20 T/hr Capacity	Coal (Imported) 90 Tons/Day	APC system consisting of Cyclone Separator, ESP	30.5 M high	PM, SO _x , NO _x
2	DG Set (Emergency Power Supply): 750 KVA x 3 Nos	LDO-300 Lit/Hr	Nil	10 M high	PM, SO _x , NO _x
3	Coal Dust from Coal Storage Yard		Coal storage yard to be provided with 10 M high GI Sheets cover on periphery along with Water Sprinkling system for dust suppression		PM
4	Fly Ash Dust from Fly Ash handling system		Enclosed fly ash handling system with fly ash silo and exhaust connected to Fly Ash Bag filter	10 M High	PM

Annexure -3

Details on Effluent Treatment

Sr. No	Sources of Waste Water Generation	Total Quantity	Treatment Scheme	Mode of Disposal
1	Cooling Tower Blow Down	50 KL/Day	ZLD Based CETP consisting of RO+MEE	Recycled back as make up water
2	Boiler Blow Down	15 KL/Day	ZLD Based CETP consisting of RO+MEE	Recycled back as make up water
3	Water Treatment Plant	15 KL/Day	ZLD Based CETP consisting of RO+MEE	Recycled back as make up water
4	Domestic	20 KL/Day	Packaged STP	Irrigation / Green Belt Development / Dedusting application for road

Annexure - 4

Process Block Diagram

Annexure - 5

Proposed Terms of Reference

A. EXECUTIVE SUMMARY OF THE PROJECT

B. PROJECT DESCRIPTION

- Justification of project.
- Promoters and their back ground
- Project location and Plant area
- Details of member industries including their wastewater generation and its characteristics.
- Details on conveyance system and its monitoring.
- Water source and utilization including proposed water balance
- Proposed CETP Treatment Capacity Enhancement Scheme & Recycling Details
- Details on power consumption and stand by arrangements

C. DESCRIPTION OF THE ENVIRONMENT

- Project site location and approach
- Demarcation of Impact boundary (5 km from the project site)
- Demography details of the study area
- Micrometeorology
- Topography, drainage and soil
- Geological features and geo -hydrological status of the study area.
- Baseline data for Surface water quality, ground water quality and ambient air quality along with details on expected stack, fugitive emissions.
- Other industries in the impact area

D. IMPACTS AND MITIGATORY MEASURES

- Identification of impacting activities from the proposed project
- Impact on air and mitigation measures including green belt
- Impact on water environment and mitigation measures

- Details regarding soil and groundwater impacts and regular monitoring protocols suggested for ensuring no significant impacts, besides preventive measures.
- Noise generation and control
- Details on Comparison of alternate sites considered and details on improved technologies.

E. ENVIRONMENTAL MONITORING PROGRAM

- Monitoring programme for pollution control at source
- Monitoring pollutants at receiving environment for the appropriate notified parameters – air quality, groundwater, surface water, etc. during operational phase of the project.
- Specific program to monitor safety and health protection of workers.

F. ENVIRONMENTAL MANAGEMENT PLAN

- Details on Administrative and technical organizational structure to ensure proposed post-project monitoring programme for approved mitigation measures
- Details of pollution control measures along with item-wise cost of implementation (capital and recurring cost)
- Detailed emergency preparedness plan and on-site, off-site disaster management plan.
- Proposed schedule for environmental monitoring

G. CONCLUSION

Annexure - 6

**Certificate of Incorporation Consequent upon
Conversion from Public Company to Private Company**

Certificate of Incorporation Consequent upon conversion to Private Limited Company



सत्यमेव जयते

GOVERNMENT OF INDIA

MINISTRY OF CORPORATE AFFAIRS

Registrar of companies, Ahmedabad

RoC Bhavan, Opp Rupal Park Society Behind Ankur Bus Stop, Ahmedabad, Gujarat, India, 380013

Corporate Identity Number: U41000GJ2015PTC082915

Fresh Certificate of Incorporation Consequent upon Conversion from Public Company to Private Company

IN THE MATTER OF TDK GREEN ENVIRO LIMITED

I hereby certify that TDK GREEN ENVIRO LIMITED which was originally incorporated on Seventeenth day of April Two thousand fifteen under the Companies Act, 2013 as GLOBAL TEXHUB LIMITED and upon an intimation made for conversion into Private Limited Company under Section 18 of the Companies Act, 2013; and approval of Central Government signified in writing having been accorded thereto by the RoC - Ahmedabad vide SRN G46213955 dated 21.06.2017 the name of the said company is this day changed to TDK GREEN ENVIRO PRIVATE LIMITED.

Given under my hand at Ahmedabad this Twenty first day of June Two thousand seventeen.



VYOMESH RAJESHKUMAR SHETH
Assistant RoC
Registrar of Companies
RoC - Ahmedabad

Mailing Address as per record available in Registrar of Companies office:

TDK GREEN ENVIRO PRIVATE LIMITED
3RD FLOOR, DAWER CHAMBERS,, NR.SUB JAIL, RING ROAD,,
SURAT, Surat, Gujarat, India, 395002

