## GUIDE LINES FOR SUBMISSION OF INFORMATION / DATA ON **EFFLUENT TREATMENT PLANT (ETP)** IN **EMP\*/ EIA\*** REPORT IN CASE OF TEXTILE PROCESSING INDUSTRY



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**Bangladesh Environmental Institutional Strengthening Project (BEISP)** 

**Department of Environment (DOE)** 

Paribesh Bhaban

E-16, Agargaon, Sher-E-Bangla Nagar

**Dhaka-1207** 

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S.No.	Contents
1.	Introduction
	1.1 Name and Address of Industry
	1.2 Installed/Proposed Production Capacity
	1.3 Names of Raw Materials (Cotton, Polyester, Blend etc. ) & Final
	Products (Bleached, dyed, printed etc.)
	1.4 Number of Total Manpower (Worker & officer)
	1.5 Operation Hours (Shift/Day)
	1.6 Source of Water & its proposed Treatment
	1.7 Boiler Capacity, Make and Pollution control system.
	1.8 Proposed Disposal Method for Treated Effluent Discharge.
	1.9 Method of Domestic Wastewater treatment & Disposal
	1.10 Any other information (not covered in the above) e.g. Drain /pipe line
	for collection and / disposal.
2.	Water Requirement & Consumption Pattern: Break-up of Water Quantity (M <sup>3</sup> or KL/day)
	2.1 Boiler
	2.2 Process House
	2.3 Domestic (Toilets/Canteen)
	2.4 Softener, Filter Wash, any other Water Treatment
	2.5 Cooling, Humidification
3.	Production Process and Effluent Generation
٥.	3.1 Details (Numbers and Capacity) of Process Machines
	3.2 Final Products Weight (kg per day)
	3.3 Flow Charts of Wet Processing (with M : L ratio)
	3.4 Names & Approx. Quantity of Daily consumption of Dyes and auxiliary
	Chemicals
	3.5 Quantity of Daily Effluent Generation (M <sup>3</sup> /Day).
	5.5 Quantity of Daily Efficient Generation (M. /Day).

4.	Characteristics of Untreated Combined Effluent
	(pH, TSS, COD, BOD, Oil & Grease, TDS and any other).
5.	Effluent Treatment Scheme
	5.1 Design Capacity of ETP (M <sup>3</sup> / Day and M <sup>3</sup> /Hour)
	5.2 Method of Flow Measurement at Final Outlet
	5.3 Scheme Description with Flow Chart / Block diagram.
	5.4 Treatment Unit Names and Sizes
	5.5 Guaranteed Characteristics of Treated Effluent Characteristics.
6.	Specification of Civil Items: 6.1 Size, Material of Construction for all treatment units 6.2 Drawings (only General Arrangement for all treatment units)
7.	Specification of Mechanical and Electrical Equipments
	7.1 Numbers, Capacity/ Tank Sizes, Motor HP, Material of construction and other details (RPM / RPH ) as applicable 7.2 General Drawings
8.	Tentative cost of Treatment Plant: 8.1 Civil Cost a) ETP cost b) Disposal drain /pipe line cost  8.2 Electrical & Mechanical equipment Cost
9.	Details of ETP Recurring Expenditure
<i>7</i> .	Details of DIT Recurring Experience
	9.1 Quantity of Chemicals for Treatment & Cost per Day
	9.2 Power (Electricity) KWH & Cost per Day
	9.3 Manpower Cost per Day
	9.4 Total Treatment Cost (Tk / M <sup>3)</sup>
10.	Enclosures
	<ul> <li>10.1 DOE Prescribed Form (Form -3) duly filled</li> <li>10.2 Drawings</li> <li>10.3 Lay out Plan with Units sizes</li> <li>10.4 Hydraulic Flow Diagram with levels</li> <li>10.5 Undertaking for providing separate Electrical Meter for ETP.</li> <li>10. 6 Any other</li> </ul>