

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



November 2007

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S.No.	Contents
1.	<p>Introduction</p> <p>1.1 Name and Address of Industry</p> <p>1.2 Installed/Proposed Production Capacity</p> <p>1.3 Names of Raw Materials (Cotton, Polyester, Blend etc.) & Final Products (Bleached, dyed, printed etc.)</p> <p>1.4 Number of Total Manpower (Worker & officer)</p> <p>1.5 Operation Hours (Shift/Day)</p> <p>1.6 Source of Water & its proposed Treatment</p> <p>1.7 Boiler Capacity , Make and Pollution control system .</p> <p>1.8 Proposed Disposal Method for Treated Effluent Discharge.</p> <p>1.9 Method of Domestic Wastewater treatment & Disposal</p> <p>1.10 Any other information (not covered in the above) e.g. Drain /pipe line for collection and / disposal.</p>
2.	<p>Water Requirement & Consumption Pattern: Break-up of Water Quantity (M³ or KL/day)</p> <p>2.1 Boiler</p> <p>2.2 Process House</p> <p>2.3 Domestic (Toilets/Canteen)</p> <p>2.4 Softener, Filter Wash, any other Water Treatment</p> <p>2.5 Cooling, Humidification</p>
3.	<p>Production Process and Effluent Generation</p> <p>3.1 Details (Numbers and Capacity) of Process Machines</p> <p>3.2 Final Products Weight (kg per day)</p> <p>3.3 Flow Charts of Wet Processing (with M : L ratio)</p> <p>3.4 Names & Approx. Quantity of Daily consumption of Dyes and auxiliary Chemicals</p> <p>3.5 Quantity of Daily Effluent Generation (M³/Day).</p>

4.	<p>Characteristics of Untreated Combined Effluent (pH, TSS, COD, BOD, Oil & Grease, TDS and any other).</p>
5.	<p>Effluent Treatment Scheme</p> <p>5.1 Design Capacity of ETP (M³ / Day and M³ /Hour)</p> <p>5.2 Method of Flow Measurement at Final Outlet</p> <p>5.3 Scheme Description with Flow Chart / Block diagram.</p> <p>5.4 Treatment Unit Names and Sizes</p> <p>5.5 Guaranteed Characteristics of Treated Effluent Characteristics.</p>
6.	<p>Specification of Civil Items:</p> <p>6.1 Size, Material of Construction for all treatment units</p> <p>6.2 Drawings (only General Arrangement for all treatment units)</p>
7.	<p>Specification of Mechanical and Electrical Equipments</p> <p>7.1 Numbers, Capacity/ Tank Sizes, Motor HP, Material of construction and other details (RPM / RPH) as applicable</p> <p>7.2 General Drawings</p>
8.	<p>Tentative cost of Treatment Plant:</p> <p>8.1 Civil Cost</p> <p>a) ETP cost</p> <p>b) Disposal drain /pipe line cost</p> <p>8.2 Electrical & Mechanical equipment Cost</p>
9.	<p>Details of ETP Recurring Expenditure</p> <p>9.1 Quantity of Chemicals for Treatment & Cost per Day</p> <p>9.2 Power (Electricity) KWH & Cost per Day</p> <p>9.3 Manpower Cost per Day</p> <p>9.4 Total Treatment Cost (Tk / M³)</p>
10.	<p>Enclosures</p> <p>10.1 DOE Prescribed Form (Form -3) duly filled</p> <p>10.2 Drawings</p> <p>10.3 Lay out Plan with Units sizes</p> <p>10.4 Hydraulic Flow Diagram with levels</p> <p>10.5 Undertaking for providing separate Electrical Meter for ETP.</p> <p>10.6 Any other</p>