

**ANNEXURE-III**

**GENERAL DESIGN PARAMETERS FOR INLET EFFLUENT QUALITY**

**STREAM-A (NON-BIODEGRADABLE)**

Sl. No.	Parameters	Ranges
1	pH	1 to 13
2	Temperature, °C	24-28
3	Chlorides as Cl, mg/L	12650
4	Percent Sodium, %	80
5	Boron as B, mg/L	57
6	Calcium as Ca, mg/L	9850
7	Magnesium as Mg, Mg/L	350
8	Total Hardness as CaCO <sub>3</sub> , mg/L	8750
9	Sodium as Na, mg/L	4500
10	Potassium as K, mg/L	425
11	Chromium as Cr, mg/L	950
12	Copper as Cu, mg/L	340
13	Iron as Fe, mg/L	1300
14	Nickel as Ni, mg/L	65
15	Zinc as Zn, mg/L	310
16	Lead as Pb, mg/L	9
17	Cadmium as Cd, mg/L	8
18	Chemical Oxygen Demand, mg/L	2000
19	Biological Oxygen Demand, mg/L	100
20	Sulphates, mg/L	6900
21	Phosphates, mg/L	2030
22	Acidity, mg/L	17850
23	Cyanide, mg/L	30

**DESIGN PARAMETERS FOR MULTI EFFECT EVAPORATOR**

**STREAM-B HIGH TDS (Feed Rate 1667 Kg/hr with 6% average TDS content)**

Sl. No.	Parameters	Ranges
1	pH	5 to 8
2	Total Dissolved Solids, mg/L	27000
3	Temperature, °C	24-28



**SENIOR ENVIRONMENTAL OFFICER**

**Waste Management Cell**

