



WATER PRODUCTION DEPARTMENT

PROCESS & CLEANING CHEMICALS REQUIRED FOR FEWA R.O & M.E.D DESALINATION PLANTS FOR THE YEAR - 2010.

1.	SULPHURIC ACID 98% CONCENTRATED , Max : Fe 100 ppm. TO BE SUPPLIED IN 20/25 TONS TANKERS CERTIFICATE OF ANALYSIS REQUIRED.
2.	HYDROCHLORIC ACID CONCENTRATED 33% ± 1 MIN TO BE SUPPLIED IN 25 LITRES JERRY CANS. CERTIFICATE OF ANALYSIS REQUIRED.
3.	CITRIC ACID 98% MIN (FOOD GRADE) PACKED IN 25KG/50KG PP/PE BAGS CERTIFICATE OF ANALYSIS REQUIRED.
4.	SODIUM HYDROXIDE FLAKES 99.5 % PACKED IN 50 KGS NETT PP/PE SACKS. CERTIFICATE OF ANALYSIS REQUIRED.
5.	SODIUM META BI- SULPHITE SO ₂ 65.3% , PH 4.3 (1% SOLUTION) MIN . PACKED IN 25KG / 50KG BAGS STACKED ON A PALLET OF ONE TON. CERTIFICATE OF ANALYSIS REQUIRED.
6.	SODIUM HEXA META PHOSPHATE P ₂ O ₅ 68% PACKED IN 25 KG PP / PE BAGS. CERTIFICATE OF ANALYSIS REQUIRED.
7.	SODIUM HYPOCHLORITE AVAILABLE CHLORINE 10-15% TO BE SUPPLIED IN 25 LITRES JERRY CANS. CERTIFICATE OF ANALYSIS REQUIRED.
8.	TRISODIUM PHOSPHATE 98 – 100% SPECIFIC GRAVITY 1.55 - 1.7 PACKED IN 25KG / 50KG PP/PE BAGS. CERTIFICATE OF ANALYSIS REQUIRED.
9.	SODIUM TRIPOLYPHOSPHATE 94%, P ₂ O ₅ 56.5 MIN PACKED IN 25/50 KG PP / PE BAGS. CERTIFICATE OF ANALYSIS REQUIRED.
10.	CALCIUM HYDROXIDE (FOOD GRADE) 95-100% PACKED IN 25 KG. NETT 5 PLY PAPER/PE SACK PASSED THROUGH (BY WASHING) A 200 MESH SIEVE 99% CERTIFICATE OF ANALYSIS REQUIRED
11.	ETHYLENE DIAMINE TETRA ACETIC ACID SODIUM SALT (Na-EDTA) 80-90 % TO BE SUPPLIED IN 280 KG DRUMS CERTIFICATE OF ANALYSIS REQUIRED.
12.	FERRIC CHLORIDE 40% SPECIFIC GRAVITY : 1.38 – 1.48 MUST BE PACKED IN 280 KG NEW DRUMS CERTIFICATE OF ANALYSIS REQUIRED.



13.	<p>ANTISCALANT VITEC 5300 OR EQUIVALENT Packing 230 kg drums CERTIFICATE OF ANALYSIS REQUIRED.</p>
14.	<p>FERROUS SULPHATE MELSTAR - S <i>Specification:</i> The chemical is ferrous Sulphate (Hepta Hydrate) with following composition Fe as Fe++ Minimum 19% FeSO₄.7H₂O Minimum 96% Impurities like Pb, Cu, Mn, As Ni, Cd (Negligible) Packing: 25/50 Kg bags double air tight packing.</p>
15.	<p>SODIUM SULPHITE. 96% BOILER GRADE <i>Specification:</i> Appearance of Product: Powder Colour of Product: White Na₂SO₃:> 96% NaCl (Max):1% Fe (Max) : 20ppm Heavy Metal as Lead (Max):10ppm Packing: 25/50 Kg. double air tight polypropylene bags</p>
16.	<p>HYDROCHLORIC ACID (30-33 %) FLUORIDE FREE. To be used for Acid washing of Hypo chloride generation plant. <i>Specification:</i> Specific gravity: 1.16 gm/ ml Appearance: Clean Concentration:30-33% W/WFe: 5-10 ppm (max) Pb: < 2 ppm, Cu: < 1 ppm Ca + Mg: < 1 ppm, SiO₂: < 1 ppm, Free Cl: < 1 ppm Fluoride: Nil Packing : 25 Kg. pail</p>
17.	<p>ANTI SCALANT ALBRIVAP DSB-M with <i>Specification:</i> Antiscalant and Antifoulant for Multi-effect spray film evaporators. Packing: 250Kg Drums.</p>
18.	<p>NALCO 77222 for pH Control Packing: 25 Kg pail.</p>
19.	<p>BELITE M-8 Application: Antifoam for use in sea water desalination plant. Product: Formulation containing ethylene oxide propylene oxide copolymers and a small amount of isopropanol. Appearance : Pale yellow liquid, Odour :Slight pH(1% aqueous solution)6.5-7.5 Specific gravity at 20°C: 0.95- 1.00 Flash point (closed up):30 °C. Solubility: Partially soluble in water forms stable dispersions at high dilutions in water. Packing : 200 Kg (net) non returnable drums made of high density polyethylene</p>



20.	<p>CATALYSED HYDRAZINE HYDRATE Specification : Hydrazine 35% is an oxygen scavenger for dosing in feed water of high pressure steam boiler of steam turbine for elimination of dissolved oxygen in water and for wet preservation of Boilers. The product should contain only minimum impurities like lead. Packing : 200 Litres drum</p>
21.	<p>SODIUM SULPHITE (Food Grade) Specification : Oxygen scavenger for Heat Recovery boilers. Appearance : Powder Colour : White Na_2SO_3 : >96 % NaCl (Max) : 1% Fe (Max) : 20 ppm Heavy Metal as Lead (Max): 10ppm Packing : 25/50 Kg. Bags</p>
22.	<p>Hydrochloric Acid Fluoride Free to be used for acid washing of hypo chloride generation plant. Specifications : Specific gravity : 1.16gm/ml Appearance: Clean Concentration : 30-33 % W/W Fe : 5-10 ppm (max) Pb : <2 ppm Cu : <1 ppm Ca + Mg : <1 ppm SiO_2 : <1 ppm Free Cl : <1 ppm Fluoride: Nil Packing : 25 Kg pail</p>
23.	<p>BIO-DEGREASER Specification : This item is an all purpose non-toxic, non-flammable, non-petroleum based clean De-greaser for engine room cleaning for removing oil, grease etc. The chemical should be compatible and soluble in fresh water and should not leave oily film. It should also be free rinsing and bio-degradable. It should not have petroleum as chlorinated solvents. Packing : 25 Litres Pail</p>