

**ASSAM PROJECT
ON
FOREST AND BIO-DIVERSITY CONSERVATION
CONSTRUCTION OF NEW RESIDENTIAL COMPLEX
– AT REHABARI, GUWAHATI - 781 008.**

BILL OF QUANTITIES OF IRON REMOVAL

Sl. No.	Description of items	Unit	Qty.	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
1	<p><u>AUTOMATIC CHLORINE DOZER:-</u> It is an electronic metering pump using solenoid, controlled by internal circuit to drive a reciprocating diaphragm.</p> <ul style="list-style-type: none"> • Make : Pentair • Tank : 100 ltrs. Preferably white HDPE tank with Lid • Solution:1 charge of liquid chlorine • Electrical: 230 volts AC(+20%) 50HZ • Suction Tubing: 4/6 mm • Discharge Tubing: 4/6 mm • Dosing rate: 3/6/10/at 4 kg/cm2 • Strokes/Minute: Max. 400, Min.60/50 • Fuse: 600mA 	Job				

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2	<p><u>PRE-FILTER OXIDATION CHAMBER:-</u></p> <p>FRP composite vessel 100% rust proof, corrosion proof, manufactured from a seamless polyethylene shell that is wound continuously by computerized winding manufacturing unit of ISO: 9001 quality. The shell has fiber glass reinforcements, which are sealed with epoxy resins. This is a vertically mounted filter with MnO₂ oxidizing agent on the top. As water sprays through the top strainer it passes through several layers of media thus oxidizing and filtering off the suspended impurities.</p> <ul style="list-style-type: none"> • MOC : FRP Composite “STRUCTURAL” • Make: Pentair Water • Diameter: 927mm • Opening: 4” Top & Bottom Threaded • Strainer’s: Top & Bottom-HUB lateral • Base: FRP TRIPOD • Filter media: MZ-10, Anthracite, MnO₂ lumps Gravels & Pebbles – 2 grades • Pipeline: Frontal 1 1/2” pipe with Valves for service, Backwashing & rinse etc. • Aeration Valve: Provided for air purging • Max Operating Pressure: 10 kg/cm² 	Job				

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3	<p><u>IRON REMOVAL FILTER :-</u> FRP structural composite vessel is 100% rust proof and corrosive proof using of best quality filter media for e.g. Treated Green Sand, Barakar Sand, Gravels & Pebbles with unique Top and Bottom distribution systems, frontal pipes & fittings and single multiport valve for service, backwash and rinse facility. The iron oxide thus formed is filtered off in this vertically mounted vessel, through filter media as stated. Filtration is from top to bottom whereas backwash is in reverse direction. This is carried out by Multiport Valve provided.</p> <ul style="list-style-type: none"> • MOC : FRP Composite "STRUCTURAL" • Make: Pentair Water • Diameter: 927 mm • Height: 2281 mm • Opening: 4" Top & Bottom Threaded • Strainer's: Top-Bottom HUB lateral • Base: FRP TRIPOD • Filter media: Treated Green Sand, Barakar sand, Gravels & Pebbles – 3 grades • Pipeline: Frontal 1 1/2" pipe with Valves for service, Backwashing & rinse etc. • Aeration Valve: Provided for air purging • Max Operating Pressure: 10 kg/cm2 	Job				
						TOTAL = Rs.

(Rupees

Signature of the Contractor :

Date & Seal :