

TECHNICAL DATA SHEET FOR ZINCALUME STEEL TANK (WINFRA)

PROCESS & OPERATING PARAMETERS

SERVICES	Drinking/ Raw water/ FIRE Water / RO/ UF/ STP /STP	FREEBOARD ABOVE LIQUID	250mm + 150mm Dead Storgae
GEOMETRY	Cylindrical	TANK COLOUR	NATURAL SILVER
REBATE DEPTH	NA	FOUNDATION OUTSIDE COPING	Client scope (if Required)
FOUNDATION TYPE	Ring Beam	ROOF TYPE	ZincAlum dome/Conical Roof
WALL EMBEDMENT	As Per Design Specs	O & M	As Per Site Location
LOCATION	On Ground / Semi-under Ground / Over Head		

DESIGN DATA

DESIGN CODE	AS 2304	CONTENTS SPECIFIC GRAVITY	1 , 1.1 , 1.2
WIND SPEED	55m/s	COATING THICKNESS	150 gsm /200 GSM
SNOW LOAD	NA	WIND VELOCITY	55m/s , 45m/s
SEISMIC ZONE	V Severe intensity as per IS-1893	COATING	ZN , AL , Si
OPERATION TEMP.	-5~ 65 Degree C.	EDGE PROTECTION	SILVER ZINC PAINT
PH RANGE	3-11	HAZARD CATEGORY	Non Hazardous
SHELL THICKNESS (mm) (vary)	0.8 MM - 1.6 MM	DESIGN PRESSURE	Atmospheric
HOLIDAY TEST	NA	Seismic Zone	5/4>
STRUCTURE DESIGN LIFE	25+ Years		

SCOPE OF SUPPLY

MATERIAL OF CONSTRUCTION

TANK WALL PANELS	ZINC ALUME STEEL G 300	COMPLETE TANK	ZINCALUME STEEL WITH INSIDE PVC LINER TANK
TANK ROOF PANELS	ZINCALUME STEEL G 550	NUTS & BOLTS	MS HDG 8.8 GRADE
WIND GIRDERS	HDG MS	NOZZLES & FLANGES	MS HDG
TOP & BASE ANGLES	HDG MS	PANEL BOLTS:	MS HDG 8.8 GRADE
FASTENERS	Hilti HST3 Anchor Bolt M20/300 HDG	Liner	PVC 760 / 890 GSM
STIFFNERRS 4MM GI	NA	TANK FOUNDATION (BY OTHERS)	Concrete M25 / M 30

ADDITIONAL ACCESSORIES

INTERNAL VERTICAL LADDER	ROPE LADDER WITH FRP STEPS		
STAIRWAY	HDG / GI WITH SAFETY CAGE	SS 304 NUT and BOLTS	FOR SEA SIDE AREA
MANHOLES & NOZZLES	HDG BS TABLE 10 D /E	EARTHING ARRANGMENT	COPPER ELECTRODE
PLATFORM WITH HANDRAILS	HDG SAFETY CAGE 1200X1200mm	AVIATION LIGHTS	SOLAR POWRED

TESTING & INSPECTION

SAFETY RAILING ON TOP CIRCUMFRE	GI - 4MM With GI Wind Rings		
ROOF TRUSSES	HDG SELF SUPPORTING ROOF	CHEMICAL ANALYSIS CERTIFICATE	Material Test Certificate
LEVEL INDICATOR	Powder Coated Float And Board Mechanical Type	MECHANICAL ANALYSIS CERTIFICATE	Material Test Certificate
Wall + Roof ACCESS HATCH	ZINCALUME (600X600)	HYDROTEST	At Site after Erection of tank
DOME SS AIR VENT	SS202 / PVC - Whirly BIRD	VISUAL INSPECTION	Pin hole test at Factory
CATHODIC PROTECTION	By Magnisium Anode		