

**RECOMMENDED WATER CHARACTERISTICS
FOR WATER TUBE BOILERS
IBR. BS - 2486, IS- 10392 - 1995, REV.**

Boiler Pressure	0-20 kg/Cm ²		21-40 kg/Cm ²		41-60 kg/Cm ²		61-80 kg/Cm ²		81-100 kg/Cm ²		>101 kg/Cm ²	
Description	BFW	B/D	BFW	B/D	BFW	B/D	BFW	B/D	BFW	B/D	BFW	B/D
pH	8.5-9.5	10-11	8.5-9.5	9.5-10.5	8.5-9.5	9.2-9.8	8.5-9.5	9.2-9.8	8.5-9.5	9.2-9.8	8.5-9.5	9.2-9.8
TDS(ppm)	---	3000	---	2500	<1	1000	<1	200	<1	50	<1	20
OH.ALK	15	50-300	10	50-150	<5	25-50	<0.5	10-20	<0.5	5-10	<0.5	2-5
TH	2	2	1	1	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.
PO	---	30-70	---	20-50	---	20-40	---	15-30	---	10-20	---	3-10
Residual												
No2 SO2	30-50	30-50	20-40	20-40	15-20	15-20	N.R	N.R	N.R	N.R	N.R	N.R
N2H4	0.1-1.0	0.1-1.0	0.1-1.0	0.1-0.5	0.1-0.5	0.05-0.2	<0.1	0.05-0.1	<0.1	0.05-0.1	<0.1	0.05-0.1
DEHA	---	0.1-0.25	---	0.1-0.25	0.1-25	0.1-02	0.1-0.2	0.1-0.2	<0.1	0.1-0.2	<0.1	0.1-0.2
HO	15-30	15-30	15-30	15-30	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.
SILICA	---	---	---	---	0.02	20	0.02	5	0.02	2	0.02	1.5
AMINE	---	2-4	---	2-4	---	2-4	---	2-4	---	2-4	---	2-4

1. BOILER FEED WATER IS A MIX OF CONDENSATE
RECOVERED WATER AND D.M.
2. RESIDUAL OXYGEN SCAVENGERS ARE MEASURED AT
INLET OF ECONOMISER.
3. CONDENSATE WATER pH MINIMUM 8 AND TDS SHOULD BE
LESS THAN 0.1 ppm.
4. AMINE CONTENT IN CONDENSATE WATER IS TESTED.

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OH.ALK	15	50-300	10	50-150	<5	25-50	<0.5	10-20	<0.5	5-10	<0.5	2-5
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DEHA	---	0.1-0.25	---	0.1-0.25	0.1-25	0.1-02	0.1-0.2	0.1-0.2	<0.1	0.1-0.2	<0.1	0.1-0.2
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DEHA	---	0.1-0.25	---	0.1-0.25	0.1-25	0.1-02	0.1-0.2	0.1-0.2	<0.1	0.1-0.2	<0.1	0.1-0.2
HO	15-30	15-30	15-30	15-30	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.
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