

		BOILER WATER TREATMENT							
BOILER TREATMENTS		LPB	MPB	HPB	LPB	MPB	HPB		
<b>PHYSICAL PARAMETERS</b>	PRESS.RANGE KG/CM2	20	60	60-70				ARC PRODUCTS	
STEAMING CAPACITY	M3/HR.	50	100	300					
STEAMING PER DAY	24	1200	2400	7200				CONDENSATE	
BOILER BLOW DOWN	10%/5%/3% BASIS	10	5	3	70	80	85	% RETURN	
ACTUAL BLOW DOWN	M3/HR.	5	5	9	35	80	255	M3/HR.	
ON DAILY BASIS(24 HRS)	24	120	120	216	840	1920	6120	M3/DAY	
ON MONTHLY (30 DAYS)	30	3600	3600	6480					
TREATMENTS-340 DAYS	340	40800	40800	73440					
STEAM GENERATION/day	M3/DAY	1200	2400	7200				RUPEES	
<b>BLOW DOWN BASED.</b>	<b>DOSINGS</b>							105	RATE/LITER
<b>ANTISCALANT [1]</b>	Theoretical ppm dose	25	20	5	MONTHLY COST			<b>ANTISCALANT</b>	
	DOSE-40/30/10 PPM basis	10	8	2	18900	30240	13608		
product purity Multiply factor	2	50	40	10				<b>DISPERSANT</b>	
	final dose LITERS per day	6	9.6	4.32				<b>ANTIOXYDANT</b>	
CONSUMPTION per month	30	180	288	129.6	RATE	RUPEES	130		
Antioxydant(sulphite base)	Theoretical ppm dose	20	15	10	5.76	3.6	4.32	per day in liters	
	30	144	108	129.6	18720	14040	16848	<b>SULPHITE</b>	
<b>MAKE UP BASED</b>	<b>DOSINGS</b>								
<b>CONDENSATE RETURN</b>	M3/DAY	840	1920	6120					
Steaming-Condensate=	MAKE UP M3/DAY	360	480	1080	RATE	RUPEES	80	<b>ANTI CORROSIVE</b>	
<b>ANTI CORROSIVE [2]</b>	Theoretical ppm dose	5	4	2					
	DOSE-20/15/10 PPM basis							AMMONIA/DEHA	
product purity Multiply factor	4	20	16	8					
	final dose LITERS per day	7.2	7.68	8.64					
CONSUMPTION per month	30	216	230.4	259.2	17280	18432	20736		
<b>ANTI OXYDANT [3]</b>	Theoretical ppm dose	5	4	1	RATE	RUPEES	325	<b>ANTIOXYDANT</b>	
	DOSE-5/4/2 PPM basis							HYDRAZINE/.	
product purity Multiply factor	2	10	8	2					
	final dose LITERS per day	3.6	3.84	2.16					
CONSUMPTION per month	30	108	115.2	64.8	35100	37440	21060		
<b>ONE TIME RESERVE</b>	<b>DOSINGS</b>								
	Theoretical ppm dose	10	5	5					
<b>FILMING AMINE [4]</b>	DOSE-20/15/10 PPM basis							RATE RUPEES 400	<b>FILMING AMINE</b>

product purity Multiply factor	2	20	10	10			
					ODA		
	<u>final dose LITERS per day</u>	7.2	4.8	10.8			
CONSUMPTION per month	ONE TIME COST IN RS.	2880	1920	4320			
<b>COSTING PER YEAR</b>	<b>340 DAYS BASIS</b>	<b>TOTAL Rs.</b>		92880	102072	76572 per year	
PREPARED by							
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