



An ISO 9001:2008 Certified

ZASCHEM INDIA PVT LTD

G-72, Kalindi Kunj Road

Shaheen Bagh New Delhi – 110025.

Tel: +91-11-65000698

Email : info@zaschem.in

COOLING SYSTEM SURVEY

Company Name :	Date :		
Address :			
Tel No. :	Fax :		
Contact Person :	Designation :		
OPERATING DATA			
INDUCED, FORCED, OR NATURAL DRAFT			
CIRCULATION RATE: DESIGN, (m ³ /h)			
ACTUAL, (m ³ /h)			
NUMBER OF CIRCULATING PUMPS			
AVERAGE NUMBER OF PUMPS ON LINE			
m ³ /h OF EACH PUMP			
SYSTEM VOLUME ESTIMATED ACUTAL, (m ³)			
TEMPERATURE DIFFERENTIAL (T): DESIGN, (OC)			
(T): ACTUAL, (OC)			
HOT RETURN TEMPERATURE, (OC)			
COLD OUTLET TEMPERATURE, (OC)			
HOURS OF OPERATION; PER DAYS, PER YEAR			
SIDE STREAM FILTER (S) (YES/NO)			
IF YES, TYPE OF MEDIA			
MANUAL OR AUTOMATIC OPERATION			
BACKWASH FREQUENCY			
EVAPORATION RATE; IN (m ³ /h) OR % RECIRCULATION			
WINDAGE OR DRIFT LOSS, (m ³ /h)			
BLEEDOFF RATE, (m ³ /h)			
MAKEUP RATE, (m ³ /h)			
MAKE UP WATER SOURCE			

MICROBIOLOGICAL DATA	
LOCATION: <input type="checkbox"/> TOWER <input type="checkbox"/> BASIN <input type="checkbox"/> TUBE <input type="checkbox"/> SHEET <input type="checkbox"/> OTHER	
QUANTITY ? _____	TYPE? _____ COLOUR? _____
TREATMENT USED IN PAST :	
BIOCIDES TREATMENT USED NOW :	
CHLORINATION : CONTINUOUS _____ SHOCK _____ RESIDUAL _____	PPM APPLIED TO : _____
KGS OF CHLORINE PER DAY? _____	ROTTEN EGG ODOR NOTICED? _____ PRESENCE OF IRON BACTERIA? _____
CHLORINATOR CAPACITY _____	
REMARKS _____	

EQUIPMENT INSPECTIONS						
CORROSION :						
LOCATION(S) :						
CORROSION TESTING, LOCATION OF COUPONS: FREQUENCY OF TESTING						
CORROSION RATES (MPY), PRESENT:						
				HISTORICAL :		
LOCALIZED CORROSION, SEVERE YES <input type="checkbox"/> NO <input type="checkbox"/>						
DEPOSITION SCALE FOULING	MICROBIOLOGICAL	PROCESS	CONTAMINATION			
LOCATION						
TYPE						
FREQUENCY AND SEVERITY						
COMMENTS :						
RESULTS OF COOLING TOWER INSPECTION (include basin, fill, distribution deck, plenum etc)						
FREQUENCY OF CRITICAL HEAT EXCHANGER CLEANING (indicated partial or general cleaning):						
TYPE OF CLEANING						
BUNDLE REPLACEMENT :						
PROCESS LEAKS :						
NONE	HYDROCARBONS	GLYCOL	H ₂ S	AMMONIA	MERCAPTANS	NITRATE
OTHER						
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>						

WATER ANALYSIS					
TEST	UNITS	MAKEUP WATER	CIRCULATING WATER		
pH					
PHENOLPHTHALEIN (P) ALKALINITY					
TOTAL (M) ALKALINITY					
CHLORIDES					
CALCIUM HARDNESS					
TOTAL HARDNESS					
SULFATES					
PHOSPHATES					
SILICA					
IRON					
TOTAL DISSOLVED SOLIDS					
CONDUCTIVITY					
OTHER (specify)					
CHEMICAL TREATMENT PROGRAM					
	PRESENT		RECOMMENDED		
MICROBICIDE FREQUENCY					
SCALE INHIBITOR					
CORROSION INHIBITOR					
POLYMERIC DISPERSANT					
pH CONTROL	TYPE:				
	FEED POINT:				