



Vasu Centre, Military Road,  
 Marol, Andheri(E), Mumbai – 400 059.  
 Tel: +91-22-61449500  
 Fax:+91-22-29209624, 66959101  
 Email : info@vasuchemicals.com

**COOLING SYSTEM SURVEY**

Company Name :	Date :		
Address :			
Tel No.:	Fax :		
Contact Person :	Designation :		
<b>OPERATING DATA</b>			
INDUCED, FORCED, OR NATURAL DRAFT			
CIRCULATION RATE: DESIGN, (m <sup>3</sup> /h)			
ACTUAL, (m <sup>3</sup> /h)			
NUMBER OF CIRCULATING PUMPS			
AVERAGE NUMBER OF PUMPS ON LINE			
m <sup>3</sup> /h OF EACH PUMP			
SYSTEM VOLUME ESTIMATED ACUTAL, (m <sup>3</sup> )			
TEMPERATURE DIFFERENTIAL (ΔT): DESIGN, (°C)			
(ΔT): ACTUAL, (°C)			
HOT RETURN TEMPERATURE, (°C)			
COLD OUTLET TEMPERATURE, (°C)			
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 <sup>3</sup> /h) OR % RECIRCULATION			
WINDAGE OR DRIFT LOSS, (m <sup>3</sup> /h)			
BLEEDOFF RATE, (m <sup>3</sup> /h)			
MAKEUP RATE, (m <sup>3</sup> /h)			
MAKE UP WATER SOURCE			

**MICROBIOLOGICAL DATA**

LOCATION:  TOWER  BASIN  TUBE  SHEET  OTHER

QUANTITY ? \_\_\_\_\_ TYPE? \_\_\_\_\_ COLOUR? \_\_\_\_\_

TREATMENT USED IN PAST : \_\_\_\_\_

BIOCIDE 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  NO

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<sub>2</sub>S  AMMONIA  MERCAPTANS  NITRATE

OTHER .....

WATER ANALYSIS					
TEST	UNITS	MAKEUP WATER	CIRCULATING WATER		
pH					
PHENOLPHTHALEIN (P) ALKALINITY					
TOTAL (M) ALKALINITY					
CHLORIDES					
CALCIUM HARDENSS					
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:				