

PREVENTIVE MAINTENANCE

MOTOR AND PUMP

P.M. Month :

Machine Code :

LOCATION :

MINISTRY OF WATER RESOURCES
GOVERNMENT OF INDIA

DATE :

Service code: ☐ W ☐ M ☐ O ☐ H ☐ Y

TYPE				DESCRIPTION	STATUS	
PUMP						
		Q	H	Y	Check pump bearing.	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Changed
				Y	Check pulley alignment, linear and angular.	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Abnormal
				Y	Check rust & paint if necessary.	<input checked="" type="checkbox"/> Clean and repaint
M	Q	H	Y	- Notice pump sound while operating	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Abnormal	
		H	Y	- Examine screw, nut if still fixed	<input checked="" type="checkbox"/> Tight <input type="checkbox"/> Loose	
	Q	H	Y	- Examine pulley, key shaft and lock screw of pulley	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Adjusted	
M	Q	H	Y	Check mechanical seal for condition adjust if necessary.	<input checked="" type="checkbox"/> Clean <input type="checkbox"/> Dirty	
M	Q	H	Y	General cleaning of casing.	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Adjusted	
		H	Y	Check coupling for condition, replace defective parts if necessary	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Adjusted	
			Y	Check coupling alignment.	<input checked="" type="checkbox"/> Clean <input type="checkbox"/> Dirty	
		H	Y	Check strainer's basket, clean if necessary.	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Changed	
		H	Y	Check for piping condition & leak, repair if necessary.	<input checked="" type="checkbox"/> Tight <input type="checkbox"/> Loose	
			Y	Check foundation & Vibration Isolators.	<input checked="" type="checkbox"/> Re-lubricate and clean	
		H	Y	Lubricate all moving parts.	<input checked="" type="checkbox"/> Tight <input type="checkbox"/> Loose	
		H	Y	Check for lost bolts & nuts.		
MOTOR						
M	Q	H	Y	Check cooling air intake and clean if necessary.	<input checked="" type="checkbox"/> Tight <input type="checkbox"/> Loose	
	Q	H	Y	Check motor bearing.	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Abnormal	
			Y	Clean motor's body and cooling fan.	<input checked="" type="checkbox"/> Clean <input type="checkbox"/> Dirty	
			Y	Check pulley alignment, linear and angular.	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Abnormal	
			Y	Check rust & paint if necessary.	<input checked="" type="checkbox"/> Clean and repaint	
		H	Y	- Examine Electrical terminal	<input checked="" type="checkbox"/> Tight <input type="checkbox"/> Loose	
		H	Y	- Examine insulation between coil and motor by using M.ohm.meter	1.....19.....Amp. 2.....19.....Amp.	
					3.....19.....Amp.	
M	Q	H	Y	- Notice motor sound while operating	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Abnormal	
M		H	Y	- Measure current phase A.B.C	1.....19.....Amp. 2.....12.....Amp.	
					3.....19.....Amp.	
		H	Y	- Measure motor speedrpm.	
		H	Y	- Examine screw, nut if still fixed	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Loose	
	Q	H	Y	- Examine pulley, key shaft and lock screw of pulley	<input checked="" type="checkbox"/> Tight <input type="checkbox"/> Loose	
M	Q	H	Y	General cleaning of casing.	<input checked="" type="checkbox"/> Clean <input type="checkbox"/> Dirty	
		H	Y	Check for lost bolts & nuts.	<input checked="" type="checkbox"/> Tight <input type="checkbox"/> Loose	
CONTROL PANEL						
M	Q	H	Y	Check warning and operating light for proper operation, replace if	Loose <input type="checkbox"/> Tight every point	
	Q	H	Y	Check control panel general function condition.	Operating well <input type="checkbox"/> Not cut off	
			Y	Check insulation & ground for electric components.	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Abnormal	
			Y	Tightening of all electrical conditions (Switch off the power first)	<input checked="" type="checkbox"/> Loose <input type="checkbox"/> Tight every point	
			Y	Check overload device, adjust if necessary.	<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Abnormal	
			Y	Clean outside the cabinet and remove the dust from inside.	<input checked="" type="checkbox"/> Clean and repaint	

Comment :

Check By : _____

Date : _____

Asst. Of DE / Director Of Engineering By : _____

Date : _____

PREVENTIVE MAINTENANCE
MOTOR AND PUMP

P.M. Month :

Machine Code : CHP2-02-01-01

LOCATION :



DATE :

25/2/20

Service code: ☐ W ☐ M ☐ Q ☐ H ☐ Y

TYPE					DESCRIPTION	STATUS	
					PUMP		
		Q	H	Y	Check pump bearing.	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Changed
				Y	Check pulley alignment, linear and angular.	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Abnormal
				Y	Check rust & paint if necessary.	<input checked="" type="checkbox"/> Clean and repaint	
	M	Q	H	Y	- Notice pump sound while operating	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Abnormal
			H	Y	- Examine screw, nut if still fixed	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Loose
		Q	H	Y	- Examine pulley, key shaft and lock screw of pulley	<input checked="" type="checkbox"/> Tight	<input type="checkbox"/> Loose
	M	Q	H	Y	Check mechanical seal for condition adjust if necessary.	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Adjusted
	M	Q	H	Y	General cleaning of casing.	<input checked="" type="checkbox"/> Clean	<input type="checkbox"/> Dirty
			H	Y	Check coupling for condition, replace defective parts if necessary	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Adjusted
				Y	Check coupling alignment.	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Adjusted
			H	Y	Check strainer's basket, clean if necessary.	<input checked="" type="checkbox"/> Clean	<input type="checkbox"/> Dirty
			H	Y	Check for piping condition & leak, repair if necessary.	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Changed
				Y	Check foundation & Vibration Isolators.	<input checked="" type="checkbox"/> Tight	<input type="checkbox"/> Loose
			H	Y	Lubricate all moving parts.	<input checked="" type="checkbox"/> Re-lubricate and clean	
			H	Y	Check for lost bolts & nuts.	<input checked="" type="checkbox"/> Tight	<input type="checkbox"/> Loose
					MOTOR		
	M	Q	H	Y	Check cooling air intake and clean if necessary.	<input checked="" type="checkbox"/> Tight	<input type="checkbox"/> Loose
		Q	H	Y	Check motor bearing.	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Abnormal
				Y	Clean motor's body and cooling fan.	<input checked="" type="checkbox"/> Clean	<input type="checkbox"/> Dirty
				Y	Check pulley alignment, linear and angular.	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Abnormal
				Y	Check rust & paint if necessary.	<input checked="" type="checkbox"/> Clean and repaint	
			H	Y	- Examine Electrical terminal	<input checked="" type="checkbox"/> Tight	<input type="checkbox"/> Loose
			H	Y	- Examine insulation between coil and motor by using M.ohm.meter	1..... <u>18</u>Amp.	2..... <u>18</u>Amp.
						3..... <u>18</u>Amp.	
	M	Q	H	Y	- Notice motor sound while operating	<input type="checkbox"/> Normal	<input type="checkbox"/> Abnormal
	M		H	Y	- Measure current phase A.B.C	1..... <u>19</u>Amp.	2..... <u>19</u>Amp.
						3..... <u>19</u>Amp.	
			H	Y	- Measure motor speedrpm.	
			H	Y	- Examine screw, nut if still fixed	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Loose
		Q	H	Y	- Examine pulley, key shaft and lock screw of pulley	<input checked="" type="checkbox"/> Tight	<input type="checkbox"/> Loose
	M	Q	H	Y	General cleaning of casing.	<input checked="" type="checkbox"/> Clean	<input type="checkbox"/> Dirty
			H	Y	Check for lost bolts & nuts.	<input checked="" type="checkbox"/> Tight	<input type="checkbox"/> Loose
					CONTROL PANEL		
	M	Q	H	Y	Check warning and operating light for proper operation, replace if	<input type="checkbox"/> Loose	<input type="checkbox"/> Tight every point
		Q	H	Y	Check control panel general function condition.	<input checked="" type="checkbox"/> Operating well	<input type="checkbox"/> Not cut off
				Y	Check insulation & ground for electric components.	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Abnormal
				Y	Tightening of all electrical conditions (Switch off the power first)	<input checked="" type="checkbox"/> Loose	<input type="checkbox"/> Tight every point
				Y	Check overload device, adjust if necessary.	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Abnormal
				Y	Clean outside the cabinet and remove the dust from inside.	<input checked="" type="checkbox"/> Clean and repaint	

Comment :

Action By :

Date :

Check By :

Date :

Asst. Of DE / Director Of Engineering By :

Date :

PREVENTIVE MAINTENANCE

MOTOR AND PUMP

P.M. Month :

Machine Code :

LOCATION :



DATE :

Service code: ☐ W ☐ M ☐ Q ☐ H ☐ Y

TYPE					DESCRIPTION	STATUS	
					PUMP		
		Q	H	Y	Check pump bearing.	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Changed
				Y	Check pulley alignment, linear and angular.	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Abnormal
				Y	Check rust & paint if necessary.	<input checked="" type="checkbox"/> Clean and repaint	
	M	Q	H	Y	- Notice pump sound while operating	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Abnormal
			H	Y	- Examine screw, nut if still fixed	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Loose
		Q	H	Y	- Examine pulley, key shaft and lock screw of pulley	<input checked="" type="checkbox"/> Tight	<input type="checkbox"/> Loose
	M	Q	H	Y	Check mechanical seal for condition adjust if necessary.	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Adjusted
	M	Q	H	Y	General cleaning of casing.	<input checked="" type="checkbox"/> Clean	<input type="checkbox"/> Dirty
			H	Y	Check coupling for condition, replace defective parts if necessary	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Adjusted
				Y	Check coupling alignment.	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Adjusted
			H	Y	Check strainer's basket, clean if necessary.	<input checked="" type="checkbox"/> Clean	<input type="checkbox"/> Dirty
			H	Y	Check for piping condition & leak, repair if necessary.	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Changed
				Y	Check foundation & Vibration Isolators.	<input checked="" type="checkbox"/> Tight	<input type="checkbox"/> Loose
			H	Y	Lubricate all moving parts.	<input checked="" type="checkbox"/> Re-lubricate and clean	
			H	Y	Check for lost bolts & nuts.	<input checked="" type="checkbox"/> Tight	<input type="checkbox"/> Loose
					MOTOR		
	M	Q	H	Y	Check cooling air intake and clean if necessary.	<input checked="" type="checkbox"/> Tight	<input type="checkbox"/> Loose
		Q	H	Y	Check motor bearing.	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Abnormal
				Y	Clean motor's body and cooling fan.	<input checked="" type="checkbox"/> Clean	<input type="checkbox"/> Dirty
				Y	Check pulley alignment, linear and angular.	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Abnormal
				Y	Check rust & paint if necessary.	<input checked="" type="checkbox"/> Clean and repaint	
			H	Y	- Examine Electrical terminal	<input checked="" type="checkbox"/> Tight	<input type="checkbox"/> Loose
			H	Y	- Examine insulation between coil and motor by using M.ohm.meter	1.....12.....Amp.	2.....12.....Amp.
						3.....12.....Amp.	
	M	Q	H	Y	- Notice motor sound while operating	<input type="checkbox"/> Normal	<input type="checkbox"/> Abnormal
	M		H	Y	- Measure current phase A.B.C	1.....12.....Amp.	2.....12.....Amp.
						3.....12.....Amp.	
			H	Y	- Measure motor speed		rpm.
			H	Y	- Examine screw, nut if still fixed	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Loose
		Q	H	Y	- Examine pulley, key shaft and lock screw of pulley	<input checked="" type="checkbox"/> Tight	<input type="checkbox"/> Loose
	M	Q	H	Y	General cleaning of casing.	<input checked="" type="checkbox"/> Clean	<input type="checkbox"/> Dirty
			H	Y	Check for lost bolts & nuts.	<input checked="" type="checkbox"/> Tight	<input type="checkbox"/> Loose
					CONTROL PANEL		
	M	Q	H	Y	Check warning and operating light for proper operation, replace if	Loose	Tight every point
		Q	H	Y	Check control panel general function condition.	Operating well	Not cut off
				Y	Check insulation & ground for electric components.	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Abnormal
				Y	Tightening of all electrical conditions (Switch off the power first)	<input checked="" type="checkbox"/> Loose	<input type="checkbox"/> Tight every point
				Y	Check overload device, adjust if necessary.	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Abnormal
				Y	Clean outside the cabinet and remove the dust from inside.	<input checked="" type="checkbox"/> Clean and repaint	

Comment :

Action By :

Date :

Check By :

Date :

Asst. Of DE / Director Of Engineering By :

Date :

PREVENTIVE MAINTENANCE

MOTOR AND PUMP

P.M. Month :

Machine Code : CHP - 01-02-03-014

LOCATION :

GOVERNMENT
MIRAGE

DATE :

Service code: ☐ W ☐ M ☐ Q ☐ H ☐ Y

TYPE					DESCRIPTION	STATUS	
					PUMP		
		Q	H	Y	Check pump bearing.	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Changed
				Y	Check pulley alignment, linear and angular.	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Abnormal
				Y	Check rust & paint if necessary.	<input checked="" type="checkbox"/> Clean and repaint	
	M	Q	H	Y	- Notice pump sound while operating	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Abnormal
			H	Y	- Examine screw, nut if still fixed	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Loose
		Q	H	Y	- Examine pulley, key shaft and lock screw of pulley	<input checked="" type="checkbox"/> Tight	<input type="checkbox"/> Loose
	M	Q	H	Y	Check mechanical seal for condition adjust if necessary.	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Adjusted
	M	Q	H	Y	General cleaning of casing.	<input checked="" type="checkbox"/> Clean	<input type="checkbox"/> Dirty
			H	Y	Check coupling for condition, replace defective parts if necessary	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Adjusted
				Y	Check coupling alignment.	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Adjusted
			H	Y	Check strainer's basket, clean if necessary.	<input checked="" type="checkbox"/> Clean	<input type="checkbox"/> Dirty
			H	Y	Check for piping condition & leak, repair if necessary.	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Changed
				Y	Check foundation & Vibration Isolators.	<input checked="" type="checkbox"/> Tight	<input type="checkbox"/> Loose
			H	Y	Lubricate all moving parts.	<input checked="" type="checkbox"/> Re-lubricate and clean	
			H	Y	Check for lost bolts & nuts.	<input checked="" type="checkbox"/> Tight	<input type="checkbox"/> Loose
					MOTOR		
	M	Q	H	Y	Check cooling air intake and clean if necessary.	<input checked="" type="checkbox"/> Tight	<input type="checkbox"/> Loose
		Q	H	Y	Check motor bearing.	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Abnormal
				Y	Clean motor's body and cooling fan.	<input checked="" type="checkbox"/> Clean	<input type="checkbox"/> Dirty
				Y	Check pulley alignment, linear and angular.	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Abnormal
				Y	Check rust & paint if necessary.	<input checked="" type="checkbox"/> Clean and repaint	
			H	Y	- Examine Electrical terminal	<input type="checkbox"/> Tight	<input type="checkbox"/> Loose
			H	Y	- Examine insulation between coil and motor by using M.ohm.meter	1..... <u>12</u>Amp.	2..... <u>12</u>Amp.
						3..... <u>12</u>Amp.	
	M	Q	H	Y	- Notice motor sound while operating	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Abnormal
	M		H	Y	- Measure current phase A.B.C	1..... <u>12</u>Amp.	2..... <u>12</u>Amp.
						3..... <u>12</u>Amp.	
			H	Y	- Measure motor speed		rpm.
			H	Y	- Examine screw, nut if still fixed	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Loose
		Q	H	Y	- Examine pulley, key shaft and lock screw of pulley	<input checked="" type="checkbox"/> Tight	<input type="checkbox"/> Loose
	M	Q	H	Y	General cleaning of casing.	<input checked="" type="checkbox"/> Clean	<input type="checkbox"/> Dirty
			H	Y	Check for lost bolts & nuts.	<input checked="" type="checkbox"/> Tight	<input type="checkbox"/> Loose
					CONTROL PANEL		
	M	Q	H	Y	Check warning and operating light for proper operation, replace if	Loose	Tight every point
		Q	H	Y	Check control panel general function condition.	Operating well	Not cut off
				Y	Check insulation & ground for electric components.	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Abnormal
				Y	Tightening of all electrical conditions (Switch off the power first)	<input checked="" type="checkbox"/> Loose	<input type="checkbox"/> Tight every point
				Y	Check overload device, adjust if necessary.	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Abnormal
				Y	Clean outside the cabinet and remove the dust from inside.	<input checked="" type="checkbox"/> Clean and repaint	

Comment :

Action By

Date

Check By :

Date :

Asst. Of DE / Director Of Engineering By :

Date :

PREVENTIVE MAINTENANCE

MOTOR AND PUMP

P.M. Month : _____

Machine Code : _____

LOCATION : _____



DATE : _____

Service code: ☐ W ☐ M ☐ Q ☐ H ☐ Y

TYPE					DESCRIPTION	STATUS	
					PUMP		
		Q	H	Y	Check pump bearing.	<input type="checkbox"/> Normal	<input type="checkbox"/> Changed
				Y	Check pulley alignment, linear and angular.	<input type="checkbox"/> Normal	<input type="checkbox"/> Abnormal
				Y	Check rust & paint if necessary.	<input type="checkbox"/> Clean and repaint	
M	Q	H	Y	- Notice pump sound while operating	<input type="checkbox"/> Normal	<input type="checkbox"/> Abnormal	
		H	Y	- Examine screw, nut if still fixed	<input type="checkbox"/> Normal	<input type="checkbox"/> Loose	
				Y	- Examine pulley, key shaft and lock screw of pulley	<input type="checkbox"/> Tight	<input type="checkbox"/> Loose
M	Q	H	Y	Check mechanical seal for condition adjust if necessary.	<input type="checkbox"/> Normal	<input type="checkbox"/> Adjusted	
M	Q	H	Y	General cleaning of casing.	<input type="checkbox"/> Clean	<input type="checkbox"/> Dirty	
		H	Y	Check coupling for condition, replace defective parts if necessary	<input type="checkbox"/> Normal	<input type="checkbox"/> Adjusted	
				Y	Check coupling alignment.	<input type="checkbox"/> Normal	<input type="checkbox"/> Adjusted
		H	Y	Check strainer's basket, clean if necessary.	<input type="checkbox"/> Clean	<input type="checkbox"/> Dirty	
		H	Y	Check for piping condition & leak, repair if necessary.	<input type="checkbox"/> Normal	<input type="checkbox"/> Changed	
				Y	Check foundation & Vibration Isolators.	<input type="checkbox"/> Tight	<input type="checkbox"/> Loose
		H	Y	Lubricate all moving parts.	<input type="checkbox"/> Re-lubricate and clean		
		H	Y	Check for lost bolts & nuts.	<input type="checkbox"/> Tight	<input type="checkbox"/> Loose	
					MOTOR		
M	Q	H	Y	Check cooling air intake and clean if necessary.	<input type="checkbox"/> Tight	<input type="checkbox"/> Loose	
	Q	H	Y	Check motor bearing.	<input type="checkbox"/> Normal	<input type="checkbox"/> Abnormal	
				Y	Clean motor's body and cooling fan.	<input type="checkbox"/> Clean	<input type="checkbox"/> Dirty
				Y	Check pulley alignment, linear and angular.	<input type="checkbox"/> Normal	<input type="checkbox"/> Abnormal
				Y	Check rust & paint if necessary.	<input type="checkbox"/> Clean and repaint	
				Y	Check rust & paint if necessary.	<input type="checkbox"/> Tight	<input type="checkbox"/> Loose
		H	Y	- Examine Electrical terminal	1.....Amp.	2.....Amp.	
		H	Y	- Examine insulation between coil and motor by using Mohm.meter	3.....Amp.		
M	Q	H	Y	- Notice motor sound while operating	<input type="checkbox"/> Normal	<input type="checkbox"/> Abnormal	
M		H	Y	- Measure current phase A.B.C	1.....Amp.	2.....Amp.	
					3.....Amp.		
		H	Y	- Measure motor speedrpm.		
		H	Y	- Examine screw, nut if still fixed	<input type="checkbox"/> Normal	<input type="checkbox"/> Loose	
				Y	- Examine pulley, key shaft and lock screw of pulley	<input type="checkbox"/> Tight	<input type="checkbox"/> Loose
M	Q	H	Y	General cleaning of casing.	<input type="checkbox"/> Clean	<input type="checkbox"/> Dirty	
		H	Y	Check for lost bolts & nuts.	<input type="checkbox"/> Tight	<input type="checkbox"/> Loose	
					CONTROL PANEL		
M	Q	H	Y	Check warning and operating light for proper operation, replace if	Loose	Tight every point	
	Q	H	Y	Check control panel general function condition.	Operating well	Not cut off	
				Y	<input type="checkbox"/> Normal	<input type="checkbox"/> Abnormal	
				Y	Check insulation & ground for electric components.	<input type="checkbox"/> Loose	<input type="checkbox"/> Tight every point
				Y	Tightening of all electrical conditions (Switch off the power first)	<input type="checkbox"/> Normal	<input type="checkbox"/> Abnormal
				Y	Check overload device, adjust if necessary.	<input type="checkbox"/> Clean and repaint	
				Y	Clean outside the cabinet and remove the dust from inside.		

Comment : _____

Action By : _____

Date : _____

Check By : _____

Date : _____

Asst. Of DE / Director Of Engineering By : _____

Date : _____

PREVENTIVE MAINTENANCE
MOTOR AND PUMP



P.M. Month : _____

Machine Code : _____

LOCATION : CHP-01-02-03-04

DATE : _____

Service code: ☐ W ☐ M ☐ Q ☐ H ☐ Y

TYPE					DESCRIPTION	STATUS	
					PUMP		
		Q	H	Y	Check pump bearing.	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Changed
				Y	Check pulley alignment, linear and angular.	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Abnormal
				Y	Check rust & paint if necessary.	Clean and repaint	
M	Q	H	Y	- Notice pump sound while operating	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Abnormal	
		H	Y	- Examine screw, nut if still fixed	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Loose	
	Q	H	Y	- Examine pulley, key shaft and lock screw of pulley	<input checked="" type="checkbox"/> Tight	<input type="checkbox"/> Loose	
M	Q	H	Y	Check mechanical seal for condition adjust if necessary.	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Adjusted	
M	Q	H	Y	General cleaning of casing.	<input checked="" type="checkbox"/> Clean	<input type="checkbox"/> Dirty	
		H	Y	Check coupling for condition, replace defective parts if necessary	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Adjusted	
			Y	Check coupling alignment.	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Adjusted	
		H	Y	Check strainer's basket, clean if necessary.	<input checked="" type="checkbox"/> Clean	<input type="checkbox"/> Dirty	
		H	Y	Check for piping condition & leak, repair if necessary.	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Changed	
			Y	Check foundation & Vibration Isolators.	<input checked="" type="checkbox"/> Tight	<input type="checkbox"/> Loose	
		H	Y	Lubricate all moving parts.	Re-lubricate and clean		
		H	Y	Check for lost bolts & nuts.	<input checked="" type="checkbox"/> Tight	<input type="checkbox"/> Loose	
					MOTOR		
M	Q	H	Y	Check cooling air intake and clean if necessary.	<input checked="" type="checkbox"/> Tight	<input type="checkbox"/> Loose	
	Q	H	Y	Check motor bearing.	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Abnormal	
			Y	Clean motor's body and cooling fan.	<input checked="" type="checkbox"/> Clean	<input type="checkbox"/> Dirty	
			Y	Check pulley alignment, linear and angular.	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Abnormal	
			Y	Check rust & paint if necessary.	Clean and repaint		
		H	Y	- Examine Electrical terminal	<input checked="" type="checkbox"/> Tight	<input type="checkbox"/> Loose	
		H	Y	- Examine insulation between coil and motor by using M.ohm.meter	1..... <u>12</u>Amp.	2..... <u>12</u>Amp.	
					3..... <u>12</u>Amp.		
M	Q	H	Y	- Notice motor sound while operating	<input type="checkbox"/> Normal	<input type="checkbox"/> Abnormal	
M		H	Y	- Measure current phase A.B.C	1..... <u>12</u>Amp.	2..... <u>12</u>Amp.	
					3..... <u>12</u>Amp.		
		H	Y	- Measure motor speed rpm.		
		H	Y	- Examine screw, nut if still fixed	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Loose	
			Y	- Examine pulley, key shaft and lock screw of pulley	<input checked="" type="checkbox"/> Tight	<input type="checkbox"/> Loose	
M	Q	H	Y	General cleaning of casing.	<input checked="" type="checkbox"/> Clean	<input type="checkbox"/> Dirty	
		H	Y	Check for lost bolts & nuts.	<input checked="" type="checkbox"/> Tight	<input type="checkbox"/> Loose	
					CONTROL PANEL		
M	Q	H	Y	Check warning and operating light for proper operation, replace if	Loose	Tight every point	
	Q	H	Y	Check control panel general function condition.	Operating well	Not cut off	
			Y	Check insulation & ground for electric components.	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Abnormal	
			Y	Tightening of all electrical conditions (Switch off the power first.)	<input checked="" type="checkbox"/> Loose	<input type="checkbox"/> Tight every point	
			Y	Check overload device, adjust if necessary.	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Abnormal	
			Y	Clean outside the cabinet and remove the dust from inside.	Clean and repaint		

Comment : _____

Action By : _____

Date : _____

Check By : _____

Date : _____

Asst. Of DE / Director Of Engineering By : _____

Date : _____