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Civil and Operation Monitoring Data

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Pump Operation Schedule

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**Civil Monitoring Sheet** 

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()รุงงานสะเพร		1st operation	ation	2nd operation	ation	<b>3th operation</b>	ation -	4th operation	ıtivn	5th operation	ation	6th operation	ation 1	/ (h there is not	HOLI
2) Punp No.		No.1	No.2	Na.1		No.1	Na.2	N4.1	No.2	Na.I	Nn.2	Nu.I	No.2	Na.1	Nu.Z
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	Lift down	T						-							
5) Flooter	Naft	- -													
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(A) Filling water	Start time	7:30							-						
Setue time	l'ind time	12:00													
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[Priven time	End time	18:33	-									-			
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Ampere meter	n Vi und	578.3	•			: - - -									
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0) TANK	Valve	Open			- -	· · · · · · · · · · · · · · · · · · ·									
10) Romark				No electricity	ċ										

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\*2 Recorded pusition to position (Example : P4->P3 )

\*3 Recorded position to position ( Example : USR Tap of bank to River, M->R Middle of bank to River )

•4 Recorded position to position ( Example : R->1' River to Top of bank, R->1' River to Middle of bank.)

Ξ u 7th operation 0.0 No.2 0.0 o Z н Ţ Ξ E 6th operation 0.0 No.2 . 0 0 No.1 ៊ូ E Ξ Ξ 5th operation 0.0 No.2 No.1 0.0 Note: Ξ ç Ξ G 3rd operation 4th operation Overhaul and exchange O-ring, Gasket, V-ring, and others. 0.0 No.2 Check of shaft sleeve and exchange of grand packing. 0.0 No.1 Ξ ů. a 8 -00 Check and exchange of mechanical-seals. Z-12 Check and adjustment of shafts center. Check of wearing at revolving part. Exchange of oil for hearing shaft. 0.0 Adjustment of leakage from joints. No.1 "Examination and exchange of oil. Check of vibration and noise. Check of shafts temperature. ç Ξ Ξ Ξ 1st operation 2nd operation 0.0 N0.2 No clectricity Check of inside casing. 2854.2 No.1 Ξ ĩ Ξ Ξ No.1 No.2 2700.51 2854.2 17:34 420.0 18:33 1.197.4 8 35.0 -00 1 22.0 29.0 30.0 P2-0.4 Cumulative Now meter at start Clumulative flow mater at clud Operation start time c)-10 Operation and time Water level at start Stuffing box Temp. River Water Level b)-2 Water level at end Suction Pressure Delivery Pressure Monthly 6 Monthly Bearing Temp. 2 Years Ycarly Water Temp. Position-Ampere Remark Voltage 7/12/95 <u>s</u> 11-0 Lower Tank b)-I 1 ; **7** c) Lower Pump c)-5 () 8-() a)-1 <u>a)-2</u> -1-() ý <del>()</del> 5 c) Maintenance Date : (Stare-1) Chang Chhu â â

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<sup>1</sup>Adjustment of all the other parts.

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**Civil Monitoring Sheet** 

	Date :	7/13/95	an a strategy a strategy and													
	<ol> <li>Operation</li> </ol>		Ast opens	ation .	2nd oper	ration 1	Jth opera	tion	tth oper.	tion	Ellopera	UIN I	e1000 830	lkon	/ cu obc.	uon
Rudi         Rud         Rud <th></th> <th>÷1</th> <th>Ne.1</th> <th>Na.2</th> <th>Nu.1</th> <th>. No.2</th> <th>Nu. I</th> <th>No.2</th> <th>No.f</th> <th>N4:4</th> <th>No.1</th> <th>Ne.2</th> <th>Na.1</th> <th>Na.2</th> <th>Na.1</th> <th>Zur.</th>		÷1	Ne.1	Na.2	Nu.1	. No.2	Nu. I	No.2	No.f	N4:4	No.1	Ne.2	Na.1	Na.2	Na.1	Zur.
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Water like         Design         Oracle like         Oracle         Oracle <t< td=""><th></th><td>Start time</td><td>(A):(I</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>		Start time	(A):(I													
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Note time         000         0		Staff														
		Start time			0-(M)											
Industriation         000         <		Pud time		-	0050											
Introduction         Total		Total time	0.00	0.00	()=()	<u>.</u>	0-00	0:00	0,160		0.00	0:00	0:00	0-01	0:00	0:00
Staff         6         1         0 <th></th> <td>Lift down"</td> <td>¥&lt;•1</td> <td></td>		Lift down"	¥<•1													
Critical         2-46         0 <th< td=""><th>s) Floater</th><td>Staff</td><td>9</td><td></td><td>*** * * * *</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>	s) Floater	Staff	9		*** * * * *											
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Naff         6					R.>T					1 - 1 - 1 - 1			-			
Start time         16:10         17:13           Total time         2:00         0:10		Ntaff			6								:			
Find time         17.11         0.00         0.90		Start time			16:10									• • • • • • • • • • • • • • •		
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Polye length         X,00         X,00         X,00         X,00         X,00         14:18         0         0:00		Total time	0.00	0150	1:03		0:00	0:00	0:00	0.00	0:00	0:0	()-( )-( )-( )-( )-( )-( )-( )-( )-( )-(	0:00	1N)-{{	0
Califier         8:08         14:18         14:18         14:19         0:00         0:10		Pipe length	×.00		X,00											
c         Fad tance         8.30         14:29         0:00         0:10	6) Filling water	Start time		 	81:11											
Total time         0:22         0:10         0:11         0:00         0:10	Setup time	Find time	8:30		14:29			-						- 90-10	Şç	
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Trivention         0:00		Slart time	1	*	1532						****					
Number     Mathematication     And Mathematication     State     State <th></th> <td>l'Event time</td> <td></td> <td>(H)=()</td> <td>1:01</td> <td>1405()</td> <td>0010</td> <td>01:00</td> <td>0101</td> <td>- 0010</td> <td>0100</td> <td>(K)<sup>1</sup>0</td> <td>0:00</td> <td>4H)÷()</td> <td>0:0</td> <td>00-0</td>		l'Event time		(H)=()	1:01	1405()	0010	01:00	0101	- 0010	0100	(K) <sup>1</sup> 0	0:00	4H)÷()	0:0	00-0
is muter [A. and 10.1 17.3 10.0 10.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0		M start			57%3			1			:		 		:	
Flucture     0.0     0.0     0.0     0.0     0.0     0.0     0.0       Nalve     Open     Open     0.0     0.0     0.0     0.0     0.0     0.0       Nalve     No electricity     Open     Open     0.0     0.0     0.0     0.0     0.0       Nalve     No electricity     Open     0.0     0.0     0.0     0.0     0.0       Standed position (Example : P1->P2)     Standed for bank to River)     1     Nave     1     1			1 - 2 - 2 - 2	:	3%.1			<u>.</u>						4		
Valve Open Open Open Open - Open		Fotal time	0.0	0,0	17.8	0.0	0.0	0,0	0.0	0.0	0.0	8.0	n'n +-			
Na electricity 1 Recurded position to position ( Example : P1->P2 ) 2 Recurded position to position ( Example : P4->P3 ) • 1 Recorded readian to position ( Example : T'->R'T of of		N'aive	Cypen		Open											
n or	10) Remark		No electrici	ity												
up of		-1 Keended I	multion to no	wition.( Exam,	ple 11->12	• •	х. Э			• . • .						
مە م		*2 Recorded	พระไปเมท.10. per	witten ( Exam	ple: P4:>P3	).		* * * *					•			
		r behavior to	underen far ner	wition C.F.Sam.	nle : '[>R'T	Jo dn	Miver, M->It	Middle of ba	nk to River )							

•4 Recorded poolition to poolition ( Example : R-2" Kiver to Tup of bunk, R-2" River to Middle of bank )

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a) Chang a)-1 Riv Chhu a)-2 Wa b) Lower Tank b)-1 Wa (Stage-1) b)-2 Wa c)-1 Pos		1st operation No.1 No.2	2nd operation		3rd operation	4th operation	ration		ann operation				
a)-1 a)-2 Tank b)-1 c)-1 c)-1		No.1 No.2	<u> </u>	No.1	N0.2			•					
a)-1 a)-2 a)-2 (b)-1 b)-2 (c)-1 c)-1		1				No.1	No.2	No.1	No.2	No.1	No.2	No.1	No.2
a)-1 a)-2 a)-2 (b)-1 b)-2 (c)-1 c)-1		111	1106.8				E		E .	•	E	•	
	KIVET WAIGT LEVE								<u>،</u>				
	Water Temp.			- -	- -		2		•	'	, 		
	Water Land of start	0 0) - m	- 10.0	E	-	•	æ .		E				
C)-1			1 (x)		- -		E		E ,				- B
	Wafer fevel at end												
	Position		2									;	
	Onvention start time		14:31				 - -						•
· · .		C 1 2 9 C	0.0 6.75%6	3000 4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0'0
1	Cumulative Bow nucler at staft	7 + 6 07				-							
C)-T-C)	Saction Pressure		cre l			-							
c) Lower Pump c)-5 Del	Delivery Pressure		22.0-						1				•
	Amixere		34.0										
			10.0	:									
c)-7 Voi	Voitage									;	:   	į	
c)-4 Bc	Bearing Temp.		32.0								: ; 1		1
c)-9 Stu	Stuffing box Temp.		30.0										
c)-10 On			15:32										
	cnd	2854.2	3002.4					-					
	11	No clorinite		······									
d) C	Kemark												
	-	-1 Adjustme	1.1 Adjustment of leakage from joints.	om joints.				Nole:					
	Monthly	[ ] Examinat	[1 Examination and exchange of oil.	ge of oil.									
	•	Check of	Check of shafts temperature.	ture	• •	•							
	6 Monthly	Check an	Check and adjustment of shafts center.	f shafts co	inter.								
	•	1 Check of	[] Check of vibration and noise.	soise.									
(c) Maintenance		1 Check of	k of shaft sleeve and exchange of grand packing.	d exchang	e of grand	packing.							
	Ycarly	Check ar	k and exchange of mechanical-seals.	mechanica	l-scals.	÷							
		i Exchang	Exchange of oil for bearing shaft.	ing shaft.									
		( ) Overhau	Overhaul and exchange O-ring, Gasket, V-ring, and others.	O-ring, G	asket, V-ri	ng, and c	where						
	2 Years	1.1 Check of	1 Check of wearing at revolving part.	oiving par			·	<u></u>					
	• •	I Check of	Check of inside casing.										
		Adjustm	1 Adjustment of all the other parts.	her parts.									

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**Civil Monitoring Sheet** 

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3th operation         4th operation         Sth operation         Sth operation           2         Null         Null         Null         Null         Null           0         6.00         0.00         0.00         0.00         0.00           0         6.00         0.00         0.00         0.00         0.00           0         6.00         0.00         0.00         0.00         0.00           0         0.00         0.00         0.00         0.00         0.00           0         0.00         0.00         0.00         0.00         0.00           0         0.00         0.00         0.00         0.00         0.00           0         0.00         0.00         0.00         0.00         0.00           0         0.00         0.00         0.00         0.00         0.00           0         0.00         0.00         0.00         0.00         0.00           0         0.00         0.00         0.00         0.00         0.00           0         0.00         0.00         0.00         0.00         0.00           0         0.00         0.00         0.00         0.00         <	- A1#C1	114172				Ì							(at		74b moundan	al isom
	<ol> <li>Creation</li> </ol>		1st opera	1 (ien	2nd oper	ration.	3th opera	ations	dia oper-	ution	Sth open	tion t	ota operation	HOIL		
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Natif         7          7         7         7 <td></td> <td>Lift up -'</td> <td></td> <td></td> <td>IK-&gt;T</td> <td></td> <td></td> <td>•</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		Lift up -'			IK->T			•								
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c         Find time         9:28         0:00         <	<ol> <li>Filling water</li> </ol>	Start time	5:03									•		:	. <u></u>	
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Driven time         Find time         T1:-11         0.0         0.00 <td>6</td> <td>Start time</td> <td>10:42</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>·</td> <td></td> <td></td> <td></td>	6	Start time	10:42										·			
Total time         0:59         0:00	Driven time	Tood time	11:11						2 							9
Cumulative     M start     396.1       Ampure meter     A14.2       Ampure meter     Anti-       Ampure meter     Anti-       Ampure meter     Anti-		Total time	05:0	05:00	()-()()	0:00	1100 CINI	0070	0:00	00-01	4030	010	(x)=0	- 05/04		
Ampere meter     M and     414.2.       Ampere meter     M and       Food time     18.1       0.0     0.0       0.0     0.0       1ANK     Valve       Open     0.0       1ANK     Valve       1ANK     Valve       1Ank     Amount of the sectricity	Cumulative	Vi stari	394.1													: 
TANK     Valve     18.1     0.0     0.0     0.0     0.0       TANK     Valve     Open     No electricity       Ranack	Vupero mete	r	111.2	· · ·												
TANK Valve Open Open I Kennedi Ammunikan (Kammu		l'otal time	1.81	0.0	0.0	0.0	. 0 <sup>.</sup> 0	0.0	0'0	0.0	¢'0	0.0				
) Kemark • 12let emilian (a nedition ( Kyamp		Valve	Open	· ·	Open								:   :   			
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					10/10		•				•					
			· · · · · · · · · · · · · · · · · · ·													

•3 Recorded position to position ( Example : T->K Top of bank to River, M->R Middle of bank to River )

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L				1st operation	2nd op	operation	3rd op	3rd operation	4th op	4th operation	5th op	5th operation	6th ope	6th operation	7th op	7th operation
		•		No.1 No.2	-No.1	No.2	No.1	No.2	No.1	No.2	No.1	No.2	No.1	No.2	No.1	No.2
ि	Chang	-1-(r	a)-1 River Water Level	m - 5.9611		m		E -		5			•		•	£
	Chhu	a)-2	Water Temp.	14 - °c		۔ د		<b>.</b>	1	ູ່. -	,	<b>.</b> .		ູ ເ		•
ŝ		1-(9)	Lower Tank [b]-1 Water level at start	uu 10'0.		e -		- m						E .		8
-	(Stare-1)	b)-2	Water level at end	n - 00.1		- m		- m	1	E -		ш -		u -		8
L			Position	14						1						
		C)-2	Operation start time	10:42												
		c)-3	Cumulative Row neter at start	3(X)2.4	3142.2	0.0	0.0	0.0	0.0	0.0	0'0	0.0	0.0	0.0	0.0	0.0
		경	Suction Pressure	5.5												
ত	Lower Pump c)-5	p c)-5		22.0				5	ļ					-	:	1
-		9-() ()	Ampere	34.0												
-		5-7	Voltage	100.01							1					
		c)-8	Bearing Temp.	29.0								1		i		1
		\$- ()	c)-9 Stuffing box Temp.	29.0												
		c)-10	c)-10 Operation end time	11:41		1								1		
na inpo		5-1	ખાત	3142.2												
÷			Remark	1	No electricity	icity										
				U Adjustment of leakage from joints.	int of leaf	tage from	joints.				Notc:					
			Monthly	C Examination and exchange of oil.	tion and c	xchange	of oil.			-		· .				
riana De			-	1) Check of shafts temperature.	shafts ter	nperaturi			;	·	<u></u>					
			6 Monthly	i Check an	ik and adjustment of shafts center.	nent of si	hafts cer	tter.			:					
ind the state				[] Check of vibration and noise.	vibration	and nors	ţ		•							
ં	Maintenance	5		1.1 Check of shaft sleeve and exchange of grand packing	shaft slot	we and co	change.	of grand	packing		<u></u>					
dederative			Ycarly	1. Check and exchange of mechanical-scals.	ud exchan	ge of mee	hanical	-scals.	·			·				
ang bar sa r				Exchange	sange of oil for bearing shaft.	r bearing	shaft.									
				1 Overhau	Overhaul and exchange O-ring, Casket, V-ring, and others.	nange O-I	ing, Ga	sket. V-n	ing, and	others.						
•			2 Years	1 Check of	Check of wearing at revolving part.	at revolvi	ng part			:						
				1 Check of inside casing.	'inside ca	Sing.	- - -		·							
h-, #3aa				1   Adjustm	istment of all the other parts.	the other	parts.									

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**Civil Monitoring Sheet** ------

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	11000			Turl and util		3th operation	ation	4th operation	tion	Sch operation	tion	6th operation	ation	7th operation	Nion
1) Cyurintion		1st operation	uotte	Lade on7	-		-	-	5 2		2.02	1.00	No.2	Z.	Nu.2
<ol> <li>Pump No.</li> </ol>		Ne.1	No.2	No.1	Na N	74.1	7442	1905	7'01	TPOLI					T
	1.46 dawn -	F1~17				•									
	New IT	5													Ī
(i) Slide pump	Start time	7:07												1	
	I'nd time	101%												į	
	Total time	2:0	000	0:00	0:00	04150	0:00	00:0	00:0	0-00	0:01	0-00	0:00	Min	
	1.2ft up "2			17<-84											
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	1 ift down "3	Х<-7.													
S) Filmuter	Kaf	-													
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	Pipe length	0,00	4 2	9 9											
6) Filling water	Start time	7:55		14:57											
Setup time	Ifind time	8:02		15:08										14K	00.0
1.	Two time	0:07	0010	0.31	0-01	0:00	0:00	00-00	0:00	(1051)	4H0101	10121			
5	Start time,	X:03											<b></b>		
Driven time	I'md time	F0:6		16:11			<u></u>								9-00
	l'intal time	101	02(00)	1:02	0:00	0:00	0:140	0-00	0:0	0010	9:0		60 <sup>1</sup> 0		
x) cumulative	Them IV.	7173		133.7											
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ov TANK	Valve	. Open		() ben											
	+1 Recorded	*1 Rectinded position to position ( Example : P1->P2 )	sition ( Exam	ple : 11->12	-										
	*? Kecorded	*? Recorded punition to position ( Example : 74->13 )	vition ( Exam	ple : 54->13	•								•	•	
		and an antiput	aition ( Even	T 3I<-1 - olo		River, M.>R	Colidate of by	unk to Rüver )		- 				•	
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•4 Recurded position to position ( Example : R-21: River to Top of bank, R-21: River to Middle of bank )

Date :     7/15/95     Ist operation       Chang     a)-1     River Water Level     11/84.1       Chuu     a)-2     Water Temp.     11/94.1       Chuu     a)-2     Water Temp.     0.10       Lower Tank     b)-1     Water Temp.     0.30       Chuu     a)-2     Water Temp.     1.90       Chuu     a)-2     Water Temp.     0.10       Constraint     at at at at at at at a start     1.90       Constraint     c)-3     cumulative flaw meter at start     1.90       Constraint     c)-4     Suction Pressure     2.2       Constraint     c)-4     Suction Pressure     2.2       Constraint     c)-4     Sutfing box Temp.     2.2,0       Cold     c)-5     Stuffing box Temp.     2.2,0       Cold     c)-6     Ampere     32.0       Cold     c)-6     Ampere     2.2,0       Cold     c)-11     Constraint     2.2,0       Cold     c)-5     Stuffing box Temp.     2.9,0       C)-6     c)-11     Constraint     2.2,0       C)-11     constraint     2.2,0     2.9,0       C)-11     constraint     2.0,0     2.9,0       C)-11     constration thin     1.1,0 <th>************************************</th> <th>Date :         735/95         1st operation         2nd operation         3nd operation         4th operation         6th operation</th> <th></th> <th></th> <th></th> <th></th> <th><b>Operation Monitoring Sheet</b></th> <th>io Moi</th> <th>litorii</th> <th>ng Sh</th> <th>eet</th> <th>•</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>	************************************	Date :         735/95         1st operation         2nd operation         3nd operation         4th operation         6th operation					<b>Operation Monitoring Sheet</b>	io Moi	litorii	ng Sh	eet	•						
The second of the second se	Its operation         Its operation         Its operation         Store relation         Store rela	Non-         1xt operation         2xd operation         3xd operation         6th operation <th>Date</th> <th></th> <th>S6/S1/</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>· ·</th> <th></th> <th>- - -</th> <th></th> <th></th> <th></th>	Date		S6/S1/								· ·		- - -			
Mart         Nact         Nact <th< th=""><th>Chang         a)-1         Niscr Water Livel         No.1         No.2         No.1         No.1<th>Mail         Naci         <th< th=""><th></th><th></th><th></th><th>1st operation</th><th>Znd oper</th><th> </th><th>3rd ope</th><th>ration  </th><th>4th opt</th><th>cration</th><th>Sth or</th><th>eration</th><th>6th op</th><th>ocration</th><th>44</th><th>peration</th></th<></th></th></th<>	Chang         a)-1         Niscr Water Livel         No.1         No.2         No.1         No.1 <th>Mail         Naci         <th< th=""><th></th><th></th><th></th><th>1st operation</th><th>Znd oper</th><th> </th><th>3rd ope</th><th>ration  </th><th>4th opt</th><th>cration</th><th>Sth or</th><th>eration</th><th>6th op</th><th>ocration</th><th>44</th><th>peration</th></th<></th>	Mail         Naci         Naci <th< th=""><th></th><th></th><th></th><th>1st operation</th><th>Znd oper</th><th> </th><th>3rd ope</th><th>ration  </th><th>4th opt</th><th>cration</th><th>Sth or</th><th>eration</th><th>6th op</th><th>ocration</th><th>44</th><th>peration</th></th<>				1st operation	Znd oper		3rd ope	ration	4th opt	cration	Sth or	eration	6th op	ocration	44	peration
Chang         3)-1         Roter Water Level         118.1         In 11916         Init         In	Chang         a)-1         River Water Lored         119x1         nl         119x16         nl         ml	$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		1		No.1 No.2		 		10.2		No.2	No.1	No.2	No.1			
China         J>2         Nater Fremp.         14         - c         14         - c         14         - c         14         - c	Chu         3.2         Water Temp.         14         -c         12         -c	Chu         JJ2         Nater Freng,         11         -		_	River Water Level	H	1197.6	- u		Е •				<b>H</b> .	•	8 • •		5 ( ,
Lumer Tank (b):         Water feet at start.         0.10	Lower Tank (b):1         Water Texel at start         0,10         m         0,10         m	Lower Tank, (b):         Water feetal at start.         0,10			Water Temp.	6 Y [ ]		- °° -		2		, , ,		ູ. ເ	•		•	1
(542420-1)         (b):2         Water Ferei ar end         (190         (10)	(Starge-1)         Dr.2         Water level at end         1 90         m         200         m	(54arge-1)         (b):         Nature feret at cerit         (10)         (ii)         200         (iii)         - mi         - mi <t< th=""><th>I ower Tank</th><th>1</th><th>Water level at start</th><th></th><th></th><th>æ -</th><th></th><th>8</th><th></th><th><b>6</b></th><th></th><th>m</th><th></th><th>• •</th><th></th><th>•</th></t<>	I ower Tank	1	Water level at start			æ -		8		<b>6</b>		m		• •		•
Position         P3         <	Position         P3         <	Position         P3         <	(Strue-1)	÷ -	Water level at end	1 4 1 1	2			m		E -		Ē		5 '		•
Operation start time         %(3)         115(0)         5(60)         0.0 </th <th>Operation start time         803         15509         0.00&lt;</th> <th>Operation start time         8.03         15.09         0.00</th> <th></th> <th></th> <th>Position</th> <th>P3</th> <th>63</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>•</th> <th></th>	Operation start time         803         15509         0.00<	Operation start time         8.03         15.09         0.00			Position	P3	63										•	
commercer start     3142.2     336.0     0.0     9.00     0.00	commerce are near     3142.2     3306.0     0.0     3460.9     0.0	Komatare fine mererer at eta     312.2     336.0     0.0     50.0     0.0			Operation start time		15:09	:									0.0	
Suction Pressure     -2.2     3.4       Delivery Pressure     -2.0     24.0       Ampere     33.0     400.0       Voltage     400.0     400.0       Renring Temp.     35.0     400.0       Stuffing box Temp.     32.0     35.0       Stuffing box Temp.     29.0     29.0       Stuffing box Temp.     29.0     35.0       Annothy     29.0     29.0       Comandative flow mater at end     3306.0     3460.9       Monthly     16.11     16.11       Remark     UAdjustment of leakage from joints.       Monthly     1 Examination and exchange of oil.       Check and adjustment of shafts temperature.       Karty     1 Check and adjustment of shafts temperature.       Yearty     1 Check and exchange of oil.       Yearty     1 Check of shaft sterve and exchange of oil.       Yearty     1 Check of shaft sterve and exchange of oil.       Yearty     1 Check of staft sterve and exchange of oil.       Yearty     1 Check of staft sterve and exchange of oil.       Yearty     1 Check of staft sterve and exchange of oil.	Suction Pressure       -2.2       3.4         Delivery Pressure       -2.0       24.0         Ampere       33.0       400.0         Voltage       37.0       35.0         Stuffing box Temp.       37.0       35.0         Stuffing box Temp.       29.0       29.0         Stuffing box Temp.       20.0       29.0         Action and concluston and concluston and context.       1         Keartly       1       1.1         Action and context and exchange of grand patking.       1         Yearty       1       1         Yearty       1       1         Yearty       1       1         Yearty       1       1	Suction Pressure     2.2     3.4       Delivery Pressure     2.2     2.40       Delivery Pressure     2.2.0     3.3.0       Voltage     3.0     3.00       Voltage     3.0     400.0       Bearting Temp.     3.2.0     3.5.0       Stuffing box Temp.     2.0     2.9.0       Stuffing Low Temp.     2.0     3.5.0       Stuffing Low Temp.     2.0     2.9.0       Stuffing Low Temp.     2.0     2.9.0       Stuffing Low Temp.     2.0     2.0       Stuffing Low Temp.     3.06.0     3.460.9       Annulative Gum multiper at temp     1.6.11     16.11       Remark     U     Adjustment of leakage from joints.       Remark     U     Adjustment of shafts temperature.       6 Monthly     1.1 Check of shafts temperature.       7 Check of shafts temperature.     1.1 Check of shafts temperature.       7 Carts     1.1 Check of shafts temperature.       7 Carts     1.1 Check of shafts temperature.       7 Carts     1.1 Check of shaft steeve and exchange of the shaft.					3306.0		100.9	0.0	0	0.0	0.0	0.0	2.2	N'N		
Delivery Pressure     22.0     24.0       Ampere     33.0     33.0       Voltage     32.0     33.0       Bearing Temp.     32.0     35.0       Stuffing box Temp.     32.0     35.0       Comalative fum nuter at each     3306.0     34.00.9       Monthly     1.6.11     16.11       Comalative fum nuter at each     3306.0     34.00.9       Remark     U Adjustment of leakage from joints.     1.6.11       Monthly     1. Examination and exchange of oil.       Check of shafts temperature.     0.01.       Kemark     U Adjustment of leakage from joints.       Yearly     1. Examination and exchange of oil.       Check of shafts temperature.     1. Check of shafts temperature.       Yearly     1. Check of shaft steeve and exchange of oil.       Yearly     1. Check of shaft steeve and exchange of meters.       Yearly     1. Overhaul and exchange of meters.       Yearly     1. Overhauge of oil for hearring shaft.       1. Overhaul and exchange of meters.     1. Overhauge of stafts part.	Delivery Pressure     22.0     24.0       Ampcre     33.0     400.0       Voltage     32.0     35.0       Stuffing box Temp.     32.0     35.0       Stuffing box Temp.     32.0     35.0       Stuffing box Temp.     29.0     29.0       Stuffing box Temp.     9.04     16.11       Operation end time     9.04     16.11       Annulative fum mater at end     3306.0     3460.9       Annulative fum mater at end     3306.0     3460.9       Comutative fum mater at end     3306.0     3460.9       Remark     UAdjustment of leakage from joints.       Monthly     T Examination and exchange of oil.       Check of shaft stemperature.     0.01.       Yearty     T Check and adjustment of shafts center.       T Check and exchange of oil.     1.0       Yearty     T Check and exchange of oil.       Yearty     T Check and exchange of oil.       Yearty     T Check and exchange of oil.       Yearty     T Check of shaft sterve and exchange of oil.       Yearty     T Check of shaft sterve and exchange of oil.       Yearty     T Check of shaft sterve and exchange of oil.       Yearty     T Check of shaft sterve and exchange of oil.       Yearty     T Check of shaft sterve and exchange of oil.	Delivery Pressure     22.0     24.0       Ampere     32.0     33.0       Voltage     32.0     35.0       Stuffing box Temp.     32.0     35.0       Stuffing box Temp.     29.0     29.0       Remark     UAdjustment of leakage from joints.       Monthly     I Examination and exchange of oil.       Check of shafts temperature.     I Check and exchange of oil.       Yearly     I Check and exchange of motion.       Yearly     I Check of weating at revolving part.       Yearly     I Check of motion.			Suction Pressure	-2.2	+:									•		
Ampere     32.0     33.0       Voltage     400.0     400.0       Bearing Temp.     32.0     400.0       Stuffing box Temp.     32.0     35.0       Stuffing box Temp.     29.0     16.11       Nonthly     1.6.11     16.11       Remark.     U. Adjustment of leakage from joints.       Monthly     1.Examination and exchange of oil.       Check of shafts temperature.       Check of shafts temperature.       Check of shaft steeve and exchange of fil.       Vearty     1.Check of shaft steeve and exchange of fil.       Yearty     1.Check of shaft steeve and exchange of fil.       Yearty     1.Check of shaft steeve and exchange of firm disting.       Yearty     1.Check of shaft steeve and exchange of firm disting.       Yearty     1.Check of shaft steeve and exchange of firm disting.       Yearty     1.Check of shaft steeve and exchange of firm disting.       Yearty     1.Check of shaft steeve and exchange of methanical-scals.       Yearty     1.Check of shaft steeve and exchange of methanical-scals.       Yearty     1.Check of wearing at revolving part.       Yearts     1.Check of same arearing at revolving part. <th>Ampcre     32.0     33.0       Voltage     400.0     400.0       Bearing Tenu.     32.0     35.0       Stuffing box Temp.     29.0     165.11       Operation end time     9.04     165.11       Operation and time     9.04     165.11       Adjustment of leakage from joints.     0.01.       Remark     UAdjustment of leakage from joints.       Monthly     T. Examination and exchange of oil.       Check of shaft steeperature.     1.       Yearly     T. Check of shaft steeve and exchange of grand packing.       Yearly     T. Check of vibration and noise.       T. Check of shaft steeve and exchange of nich.       Yearly     T. Check of shaft steeve and exchange of nich.       Yearly     T. Check of shaft steeve and exchange of nich.       T. Check of shaft steeve and exchange of nich.       T. Check of vibration and noise.       T. Check of vibration and cochange of nich.       T. Check of vibration and cochange of nich.       T. Check of vibration and cochange of nich.       T. Check of shaft steeve and exchange of nich.       T. Check of vibration and cochange of nich.    <tr< th=""><th>Ampcre     32.0     33.0       Voltage     400.0     400.0       Bearing Temp.     32.0     35.0       Stuffing box Temp.     29.0     29.0       Operation end time     9.04     16:11       Operation end time     9.04     16:11       Monthly     1     16:11       Cumulative flow mater at end     336.0     3460.9       Adjustment of leakage from joints.     0.01.       Monthly     1     Examination and exchange of oil.       Kemark     1     Check of shafts temperature.       Karty     1     Check of shaft sterve and exchange of oil.       Yearty     1     Check and exchange of oil.       Yearty     1     Check and exchange of oil.       Yearty     1     Overhange of oil for bearing shaft.       1     Overhange of wearing at revolving part.       1     Overhange of wearing at revolving part.       1     Overhange of shafts conter.</th><th>Luwer Pum</th><th></th><th>Delivery Pressure</th><td>22.0</td><td>24.0</td><td></td><td></td><td></td><td></td><td></td><td></td><td>•</td><td></td><td></td><td></td><td></td></tr<></th>	Ampcre     32.0     33.0       Voltage     400.0     400.0       Bearing Tenu.     32.0     35.0       Stuffing box Temp.     29.0     165.11       Operation end time     9.04     165.11       Operation and time     9.04     165.11       Adjustment of leakage from joints.     0.01.       Remark     UAdjustment of leakage from joints.       Monthly     T. Examination and exchange of oil.       Check of shaft steeperature.     1.       Yearly     T. Check of shaft steeve and exchange of grand packing.       Yearly     T. Check of vibration and noise.       T. Check of shaft steeve and exchange of nich.       Yearly     T. Check of shaft steeve and exchange of nich.       Yearly     T. Check of shaft steeve and exchange of nich.       T. Check of shaft steeve and exchange of nich.       T. Check of vibration and noise.       T. Check of vibration and cochange of nich.       T. Check of vibration and cochange of nich.       T. Check of vibration and cochange of nich.       T. Check of shaft steeve and exchange of nich.       T. Check of vibration and cochange of nich. <tr< th=""><th>Ampcre     32.0     33.0       Voltage     400.0     400.0       Bearing Temp.     32.0     35.0       Stuffing box Temp.     29.0     29.0       Operation end time     9.04     16:11       Operation end time     9.04     16:11       Monthly     1     16:11       Cumulative flow mater at end     336.0     3460.9       Adjustment of leakage from joints.     0.01.       Monthly     1     Examination and exchange of oil.       Kemark     1     Check of shafts temperature.       Karty     1     Check of shaft sterve and exchange of oil.       Yearty     1     Check and exchange of oil.       Yearty     1     Check and exchange of oil.       Yearty     1     Overhange of oil for bearing shaft.       1     Overhange of wearing at revolving part.       1     Overhange of wearing at revolving part.       1     Overhange of shafts conter.</th><th>Luwer Pum</th><th></th><th>Delivery Pressure</th><td>22.0</td><td>24.0</td><td></td><td></td><td></td><td></td><td></td><td></td><td>•</td><td></td><td></td><td></td><td></td></tr<>	Ampcre     32.0     33.0       Voltage     400.0     400.0       Bearing Temp.     32.0     35.0       Stuffing box Temp.     29.0     29.0       Operation end time     9.04     16:11       Operation end time     9.04     16:11       Monthly     1     16:11       Cumulative flow mater at end     336.0     3460.9       Adjustment of leakage from joints.     0.01.       Monthly     1     Examination and exchange of oil.       Kemark     1     Check of shafts temperature.       Karty     1     Check of shaft sterve and exchange of oil.       Yearty     1     Check and exchange of oil.       Yearty     1     Check and exchange of oil.       Yearty     1     Overhange of oil for bearing shaft.       1     Overhange of wearing at revolving part.       1     Overhange of wearing at revolving part.       1     Overhange of shafts conter.	Luwer Pum		Delivery Pressure	22.0	24.0							•				
c)-7     Voltage     400.0       c)-8     Elerring Temp.     35.0       c)-9     Stuffing box Temp.     32.0       c)-10     Operation end time.     9.04       c)-11     Chundudry film mater at end     3306.0       c)-11     Chundudry film mater at end     3306.0       c)-11     Chundudry film     16.11       c)-11     Chundudry film     3306.0       c)-11     Chundudry film     1.       Adjustment of leakage from joints.     1.       Monthly     1.     Examination and exchange of oil.       f     Monthly     1.       f     Check of shafts temperature.       f     Monthly     1.       f     Check of shaft sterve and exchange of oil.       f     Yearly     1.       f     Check of shaft sterve and exchange of either.       f     Overhaut and exchange of methanical-scals.       f     1.       f     Overhauge of oil for bearing. And others.       f     1.       f     Overhauge of oil for bearing. And others.	c)-7     Voltage     400.0     400.0       c)-8     Bearing Temp.     32.0     35.0       c)-9     Stuffing box Temp.     29.0     29.0       c)-10     Opecation end time.     9.04     16:11       c)-11     Canadative flaw mater at end     3306.0     3460.9       Remark     Monthly     1     1.6       Remark     L     Adjustment of leakage from joints.       Remark     C)-11     Canadative flaw mater at end       Adjustment of shafts temperature.     3306.0       Remark     L     Adjustment of shafts center.       Remark     Check of shafts temperature.       6     Monthly     1       7     Check of shafts temperature.       6     Monthly     1       7     Check of shaft sterve and exchange of oil.       7     Check of shaft sterve and exchange of generation.       8     1     Check of shaft sterve and exchange of generation.       7     1     Check of shaft sterve and exchange of generation.       8     1     Check of shaft sterve and exchange of stard patcking.       9     1     Check of waring at revolving part.       1     1     Check of stard       1     1     Check of stard       1     1     1	C-7     Voltage     400.0     400.0       C-8     Bearing Temp.     35.0     35.0       C-9     Stuffing box Temp.     32.0     35.0       C-10     Operation end time     9.04     16:11       C-11     Comunative flaw mater at end     3306.0     3460.9       Remark     Monthly     1     Examination and exchange of oil.       Remark     U     Adjustment of leakage from joints.       Maintenance     Check of shafts temperature.       Yearty     1     Exchange of oil.       Yearty     1     Check and exchange of oil.       Yearty     1     1       Yearty     1     1		1	Ampere		33.0							1			:	
0-8     Bentring Temp.     32.0     35.0       c>-9     Stuffing box Temp.     29.0     16:11       c)-10     Operation end time     9:04     16:11       c)-11     Cimulative flow nuter at end     3306.0     3460.9       Remark     UAdjustment of leakage from joints.       Remark     UAdjustment of leakage from joints.       Remark     UCcheck of shafts temperature.       6     Monthly       1     Examination and exchange of oil.       6     Monthly       1     Exchange of oil.       1     Check of shaft stemperature.       7     Check of shaft stere and exchange of oil.       7     Check of shaft stere and exchange of oil.       7     Check of shaft stere and exchange of firme.       7     Check of shaft stere and exchange of firme.       7     Check of wart stere and exchange of firme.       7     Check of wart stere and exchange of firme.       2     Yearts       1     Overhauf and exchange of meters.       2     Vearts	c)-8     Bearing Temp.     72.0     75.0       c)-9     Stuffing box Temp.     29.0     29.0       c)-10     Operation end time.     9.04     16.11       c)-11     Cmulative flaw mater at end     3306.0     3460.9       Andjustment of leakage from joints.     I. Adjustment of leakage from joints.       Remark     U. Adjustment of leakage from joints.       Monthly     I. Examination and exchange of oil.       Check of shaft stemperature.       Maintenance     Yearly       Yearly     I. Check of shaft steeve and exchange of gin.       Yearly     I. Check of shaft steeve and exchange of gin.       Yearly     I. Check of shaft steeve and exchange of grand packing.       Yearly     I. Check of wearing at revolving part.       2     Yearrs	c)-8     Bearing Temp.     32.0     35.0       c)-9     Stuffing box Temp.     29.0     29.0       c)-10     Opcention end time.     9.04     16:11       c)-11     Cnaudative flow nuter at ond     3306.0     3.460.9       Remark     Monthly     1     1.6       Remark     Monthly     1     1.6       Remark     Monthly     1.1     1.1			Voltage	·. : :	0.001							:				;
c)-9     Stuffing box Temp.     29.0     29.0     29.0       c)-10     Operation end time     9.04     16:11       c)-11     Camudative flaw mater at end     3306.0     3460.9       Remark     UAdjustment of leakage from joints.       Remark     UAdjustment of leakage from joints.       Remark     UAdjustment of leakage from joints.       Monthly     T.E.xamination and exchange of oil.       6     Monthly     Check of shafts temperature.       6     Check of shaft stemperature.     1       7     Check of shaft stemperature.     1       7     Check of shaft stemperature.     1       8     Overhange of oil.     1       9     Overhange of oil.     1       10     Check of shaft stemperature.     1       11     Check of shaft stemperature.     1       11     Check of shaft stemperature.     1       12     Check of shaft stemperature.     1       1     1     1     1       2     Yearty     1     1       1     1     1     1       1     1     1     1       1     1     1     1	c>-9     Stuffing box Temp.     29.0     29.0       c)-10     Operation end time     9.04     16:11       c)-11     Cimulative fluw nuter at end     3306.0     3460.9       Remark     U     Adjustment of leakage from joints.       Monthly     T     Examination and exchange of oil.       G     Monthly     Check of shafts temperature.       f     Check of shafts temperature.       f     Check and adjustment of shafts center.       f     Check and adjustment of shafts center.       f     Check and exchange of oil.       f     Check and exchange of mechanical-weals.       Yearly     T       f     Overhange of oil for bearing shaft.       f     Overhange of oil for bearing shaft.       f     Overhange of oil for bearing shaft.       f     Overhange of niside casing.       f     I       f     Overhange of niside casing.	c)-9     Stuffing box Temp.     29.0     29.0     29.0       c)-11     Chmudutive flum nuster at each     3306.0     3460.9       c)-11     Chmudutive flum nuster at each     3306.0     3460.9       Remark     Ll Adjustment of leakage from joints.       Monthly     Cbeck of shafts temperature.       6     Monthly     Clecks of shafts temperature.       6     Monthly     Cleck and adjustment of shafts center.       6     Nonthly     Cleck of shaft sterve and exchange of oil.       7     Check of shaft sterve and exchange of grand packing.       7     Vearty     1 <check and="" exchange="" grand="" of="" packing.<="" shaft="" sterve="" td="">       7     Vearty     1<check of="" shaft.<="" td="" vearing="">       7     Vearty     1<check at="" of="" part.<="" revolving="" td="" vearing="">       1     Check of vearing at revolving part.       1     Check of vearing at revolving part.</check></check></check>	-	() ()	Bearing Temp.	32.0	35.0											• • •
c)-10     Operation end time     9:04     16:11       c)-11     Cumulative flaw nuter at end     3306.0     3460.9       Remark     UAdjustment of leakage from joints.       Monthly     1 Examination and exchange of oil.       GMonthly     Check of shafts (emperature.       GMonthly     Check of shaft siccre and odiustment of shafts center.       Maintenance     Check of shaft siccre and occhange of oil.       Maintenance     Check of shaft siccre and exchange of oil.       Yearly     Check of shaft siccre and exchange of oil.       Check of shaft siccre and cochange of noise.     1 Check of shaft siccre and exchange of noise.       Yearly     Check of shaft siccre and exchange of noise.       Yearly     Check of shaft siccre and exchange of noise.       Yearly     Check of shaft siccre and exchange of noise.       Yearly     Check of shaft siccre and exchange of noise.       Yearly     Check of shaft siccre and exchange of noise.       Yearly     Check of shaft siccre and exchange of noise.       Yearly     Check of shaft siccre and exchange of noise.       Yearly     Check of shaft siccre and exchange of noise.       Yearly     Check of shaft siccre and exchange of noise.       Yearly     Check of shaft siccre and exchange of siccre.	c)-10     Operation end time     9.04     16:11       c)-11     Cimularive flaw nuter at end     3306.0     3460.9       Remark     UAdjustment of leakage from joints.       Ronthly     1     Examination and exchange of oil.       6     Monthly     1     Check of shafts temperature.       6     Monthly     1     Check of shaft stemperature.       6     Monthly     1     Check of shaft stemperature.       7     1     Check of shaft sterve and exchange of pil.       8     1     Check of shaft sterve and exchange of pil.       9     1     Check of shaft sterve and exchange of pil.       1     Check of shaft sterve and exchange of pil.       1     Check of shaft sterve and exchange of pil.       1     Check of shaft sterve and exchange of pil.       2     Yearly     1       1     Check of wearing at revolving part.       1     Check of stange	c)-10     Operation end time     9:04     16:11       Remark     Adjustment of 16:11     16:11       Remark     UAdjustment of leakage from joints.       Monthly     1 Examination and exchange of oil.       6     Monthly     1 Examination and exchange of oil.       6     Monthly     1 Examination and exchange of oil.       7     Check of shafts temperature.       6     Monthly     1 Execute and adjustment of shafts center.       7     Check of shaft sterve and exchange of oil.       8     Check of shaft sterve and exchange of oil.       9     1 Check of shaft sterve and exchange of grand packing.       7     1 Check and exchange of nechanical-scals.       7     1 Overhand and exchange of nechanical-scals.       1     Overhange of niside casing.       1     1 Check of wearing at revolving part.       1     1 Check of inside casing.		¢-(;)	Stuffing box Temp.	29.0	29.0					-						
c)-11     C.mudative flow nater at end     3306.0     3460.9       Remark     U     Adjustment of leakage from joints.       Monthly     1     Examination and exchange of oil.       6     Monthly     1     Check of shafts temperature.       6     Monthly     1     Check of shafts temperature.       7     1     Check of shaft steeve and exchange of oil.       8     Maintenance     1       7     Yearly     1       7     Yearly     1       7     1     Check of shaft steeve and exchange of grand packing.       7     1     Check of staft steeve and exchange of grand packing.       7     1     Overhaud and consection shaft.       7     1     Check of staft steeve and exchange of grand packing.	Cp-11 Cumulative flow nuter at end     3306.0     3460.9       Remark     U Adjustment of leakage from joints.       Monthly     Examination and exchange of oil.       6 Monthly     Check of shafts temperature.       7 Check of shafts temperature.     1       8 Muntenance     Yearty       7 Check of shafts temperature.       1 Check of shaft steeve and exchange of grand packing.       7 Check of shaft steeve and exchange of grand packing.       7 Overhaud and costhange of mechanical-weals.       7 Overhaud and exchange of niside casing.       7 Overhaud and exchange of niside casing.       8 Years     1       9 Check of inside casing.	c)-11     Camulative flow mater at cnd     3306.0     3460.9       Remark     Monthly     UAdjustment of leakage from joints.       Monthly     1     Examination and exchange of oil.       6     Monthly     UAdjustment of leakage from joints.       6     Monthly     UAdjustment of shafts (emperature.       6     Monthly     UAdjustment of shafts (emperature.       6     Monthly     UAdjustment of shafts (emperature.       7     UAdjustment of shaft siece and exchange of oil.       8     UAdjustment of shaft siece and exchange of packing.       9     UAdjustment of shaft siece and exchange of mechanical-seals.       1     Check of shaft siece and exchange of mechanical-seals.       2     Yearty     UAdjustment of shaft.       1     Check of vibration and noise.       2     Yearty     UAceburgt and exchange of mechanical-seals.       1     Check of shaft siece and exchange of reset.       2     Yearty     UAdjustment of and cother parts.		01-0	Operation end time	70.6	16:11									:	;	1
Remark     U     Adjustment of leakage from joints.       Monthly     U     Examination and exchange of oil.       Monthly     Check of shafts temperature.       6 Monthly     Check of shafts temperature.       6 Monthly     Check of shaft steeve and exchange of oil.       7 Check of shaft steeve and exchange of grand packing.       8 Maintenance     Yearly       1 Check and exchange of nechanical-scals.       9 Yearly     I Check of vibration and noise.       1 Check and exchange of oil for bearing shaft.       2 Yearrs     I Check of wearing at revolving part.       1 Check of inside casing.	Remark     L Adjustment of leakage from joints.       Monthly     L Adjustment of leakage from joints.       Monthly     Check of shafts temperature.       6 Monthly     Check of shafts temperature.       6 Monthly     Check of shaft steeve and exchange of oil.       7 Check of shaft steeve and exchange of packing.     1 Check of shaft steeve and exchange of grand packing.       7 Check of shaft steeve and exchange of mechanical-scals.     1 Check of shaft steeve and exchange of strand packing.       7 Overhaud and exchange of oil for hearing shaft.     1 Overhaud and exchange of resolving part.       7 Vearts     1 Check of wearing at revolving part.       9 Check of inside casing.     1 Check of inside casing.	Remark     U. Adjustment of leakage from joints.       Monthly     U. Adjustment of leakage from joints.       Monthly     I' Examination and exchange of oil.       6 Monthly     I' Examination and exchange of oil.       17 Check of shaft stemperature.     I' Check of shaft stemperature.       Maintenance     Yearty     I' Check of shaft steeve and exchange of grand packing.       Yearty     I Check and exchange of mechanical-scals.       2 Years     I Check of wearing at revolving part.       1 Check of staft casing.     I' Check of staft steeve and exchange of mechanical-scals.       1 Check of wearing at revolving part.     I' Check of staft casing.       1 Check of inside casing.     I' Check of inside casing.		c)-11	Cumulative flim nuter at end	3306.0	3460.9										_	
Monthly     U Adjustment of leakage from joints.       Monthly     [] Examination and exchange of oil.       6 Monthly     [] Check of shafts temperature.       6 Monthly     [] Check and adjustment of shafts center.       6 Monthly     [] Check and adjustment of shafts center.       7 Check and adjustment of shafts center.     [] Check and exchange of packing.       8 Monthly     [] Check and exchange of mechanical-scals.       9 Yearly     [] Overhaut and exchange of mechanical-scals.       1 Overhaut and exchange of ni for bearing shaft.     [] Overhaut and exchange or ing. Gasket, V-ring, and others.       2 Years     [] Check of wearing at revolving part.	Monthly     U Adjustment of leakage from joints.       Monthly     1 Examination and exchange of oil.       6 Monthly     Check of shafts temperature.       1 Check of vibration and noise.     1 Check and adjustment of shafts center.       1 Check of vibration and noise.     1 Check and exchange of nechange of grand packing.       Yearty     1 Check and exchange of mechanicul-scals.       2 Years     1 Check of vibration and roise.       2 Years     1 Check of start steeve and exchange of mechanicul-scals.       1 Check of niside casing.     1 Check of inside casing.	Monthly     U Adjustment of leakage from joints.       Monthly     1 Examination and exchange of oil.       6 Monthly     1 Check of shafts temperature.       1 Check of shaft steeve and cochange of gill       Yearty     1 Check of shaft steeve and exchange of gill       Yearty     1 Check of shaft steeve and exchange of grand packing.       Yearty     1 Check of shaft steeve and exchange of grand packing.       Yearty     1 Check of shaft steeve and exchange of grand packing.       Yearty     1 Check of vestange of mechanical-weals.       1 Check of vestange of oil for bearing shaft.     1 Check of vestange of mechanical-weals.       2 Yearts     1 Check of vestange of nister.       1 Check of inside casing.     1 Check of inside casing.			Remark								:					
Monthly 6 Monthly Vearly 2 Vears	Monthly 6 Monthly Vearty 2 Years	Monthly 6 Monthly Vearly 2 Vears				☐ U Adjustme	ant of leaks	ige from	joints.	:			Note					
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6 Monthly Vearty 2 Years	Maintenance Vearly 2 Years	Maintenance Yearly 2 Years				Check of	shafts tem	perature				-			• •			
Maintenance Yearly 2 Years	Maintenance Yearly 2 Years	Maintenance Yearly 2 Years			6 Monthly	Check an	nd adjustm	cnt of st	uafts con	ter.				•	1			
Maintenance Yearly 2 Years	Maintenance Yearly 2 Years	Maintenance Yearly 2 Years			•	C1 Check of	vibration	and noise	وأ	. :	•		·					
Yearty 2 Years	Ycarty 2 Ycars	Yearly 2 Years		160		1 Check of	shaft sice	c and cv	change	of grand	packing	_1						
					Yearly		nd exchang	c of mee	hanical-	scals.								
						Exchange	e of oil for	bearing	shaft.			:						
				/ -		1 Overhau	and exchi	ange O-r	ing. Gav	sket. V-ri	iny, and	others.	. <del></del> -	•				
1   Check of inside casing.	1   Check of inside casing- 1   Adjustment of all the other parts.	1 Check of inside casing. 1 Adjustment of all the other parts.		• • • • •	2 Years	I Check of	wcaring a	it revolvi	הב מות.									
					• •	1   Check of	f inside cas ent of all th	ing. be other	Darts					2				

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							Civil Monitoring Sneet	nitorin	g Shee	د . د	:					
L	l)ate :	1/17/95	a sa			and an other states					Colo anorra firm	, mil	6th areration	tion	7th operation	tion
<u> </u>	Operation		1st operation	ıtion	2nd operation	ratiun	3th operation	ation	4th operation	LIAMI		-		2.42	No.1	Na.2
18	Pump No.		No.1	No.2	Na,I	Nel	Na.1	ZaN N	-	Z 84	1.46	7.81	1.002			
		Lift down "	64~14					. :				-			•	
		Nurf	-													
2	<ol> <li>Slide numb</li> </ol>	Start Line	7:(10										•			
	Setup time	1:nd time					• • 1: :									0.0
		Total time	1:(N)	0:0	0:00	0:00	0-00	0:00	0;00	00:0	01-0	041:0	141-11			
		140 m =2			14~fd										:	
		U NX														
		Start time			51:21										:	
		Find time							:	1						0-0
		Total time	N KI	0:00	0:15	(X)	0500	0:00	0:00	0:00	0:00	0:00	0:01	00:0		
]		Lift down <sup>2</sup>	1.>K													
<u>_</u>	5) Floater	Stuff	*													
-	Setup time	Start time	7:32					1								•
-		1:nd time	7:45		÷.,			÷.,		Į	10.0	00-0	00:0	8.0	000	020
p==		Total time	0:13	14020	0:00	010	0;0	0:00	10:0	14150	AD 14					
		Lift up **			-R.>T											
		Newfr		-	- 4 -											
		Start time													-	1
	·	1. nd time				•								00-0	00:00	005-0
		Lotal time	000	0500		040-0	0:00	010	0:00	(H)-()	141211					
		Tipe length	00'9													
3	6) Filling water	Start time	11:39		: :		:	:				- - 				
- 44.5-5	Setup time	1 nd time	12:30			· · · ·					91-11	U-INI-U	())-U	(105-0)	0:00	00:00
		Total time	0:51	0100	010	0.00	941-0	010	9-141							
Ŀ		Start time	1-4:4-4													:
	Driven time	Had time	15:37					-		101-12		143-0	10:0	0:()(	00-0	0450
	Driven time	l'ind'time					A.161	1911-17	0:00	0-08)	0:0		14950	00:0 0:00	0:00	0410 0100

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No electricity \*1 Recorded position to position ( Example : P1->P2 )

1 \*2 Recorded position to pusition ( Xxumple : P4-2P5 )

•3 Recorded position to position ( Example : T.-R.Topof bank to River, M->R Niddle of bunk to River )

•4 Recorded position to position ( Example : R->1 River to Top of bunk, R->1 River to Middle of book )

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Total time Valve

9) TANK 10) Remark

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Date :			<ul> <li>A state of the sta</li></ul>		a da sera analana da set		:				1					:
	1		1st operatic	l e	2nd operation		3rd operation		4th operation	ration	5th op	5th operation	6th op	6th operation	7th o	7th operation
	•		No.1 No.2		No.1 No.2		No.1 No.2	+	No.1 N	No.2	No.1	N0.2	No.1	No.2	No.1	N0.2
a) Chang	<u> </u>	River Water Level	- +.7011	I		- 111		8		ш. -		- m	4	8 •	•	8
	4)-2	Water Temp.	- +	ပ္	•	°c -		°.		۔ د		- "c	•	р Г		ů ,
b) Lower Tank (b)-1	1-(9) 1	Water level at start	0.10	Ē		u .		E		E .				б. -		8
(Stage-1)	₽)-7		- 06.1	m		n				ũ •		w •	1 - 1	w -	-	E .
		Position	P3	:						1		•	-			
÷	c)-2	<b>Operation start time</b>	14:41													
	C)-3	Cumulative flow nuter at start	3460.9	356	3597.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3	Suction Pressure	3.6					 	· · · · · · · · · · · · · · · · · · ·		1			,	i	
c) Lower Pump c)-5	np c)-S		23.0-					; ; ;			1	:	!			- 1
	9-(J	Ampere	35.0													•
	C-C-	Voltage	120.0										ľ	•	- 1	
	ଙ୍ ତ	1	30,0		-											1
	c-0	1	29.0													
	5	c)-10 Operation end time	15:37													•
	3	cend	3597.6				•									
() ()		Remark		Ŷ	No cicctricity						· · · · · · · · · · · · · · · · · · ·					
			n[PV]	stment o	1 Adjustment of leakage from joints.	s from jo	oints.		•		Note:	•				
		Monthly	L EXAD	aination	F Examination and exchange of oil.	innge of	oil.		•							
		-	1 Chee	k of sha	1 Check of shafts temperature.	crature.						:				
		6 Monthly	1 Chee	k and a	11 Check and adjustment of shafts center.	t of sha	fts center	Ľ								
			- Fil Chee	k of vib	Check of vibration and noise.	d noise.		:								
c) Maintenance	276		Check	k of sha	1) Check of shaft sleeve and exchange of grand packing	and excl	bange of	grand p	acking.							
		Yearly	Chee	k and c	111 Check and exchange of mechanical-seals.	of meehs	anical-se	als.								
		· · · · · · · · · · · · · · · · · · ·	: 1Exch	ange of	TExchange of oil for bearing shaft.	aring sh	uft.	•				:				
			Over	haul an	Overhaul and exchange O-ring, Gasket, V-ring, and others.	ge O-rin	Dr. Caske	:t. V-rin	g, and of	hers						
:		2 Years		th of we	11 Check of wearing at revolving part	evolvin;	e part.		-							
		· · · · · · · · · · · · · · · · · · ·	1 Chee	k of insi	TCheck of inside casing	-1										

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**Civil Monitoring Sheet** 

0050 0020 00:00 0,0 0050 0010 2.9N 0:00 -----7th operation 00in 0020 00%0 0.0 Na.1 00:00 00:0 00:0 ÷ 0010 04940 09:0 0:00 8,8 00:0 01:00 No.2 1 ÷ 6th operation ÷ 0010 0.00 0.00 ÷ 00:0 00:0 No.1 - 0010 00-0 (**6**50 10.0 9.0 00:00 Co.7 0:00 10-0 5th operation -0040 0010 97₽ HE0 0100 1 0:00 00:0 į -(H) (U) 99:00 0,0 0:00 0:00 00:00 Ne.2 0.00 **Jth operation** 00:0 0.00 0.0 00:00 No.1 0:00 0:00 10:0 0;00 00:0 00.0 00:0 --0050 13Z 00:0 **3th operation** 8-00 04150 010.000 00:00 Ð 0:00 00:0 No.1 0,00 01:0 ł 011:0 0.110 0.0 0:00 0:00 0:00 N°Z . . . . . . . . 2nd operation 5.5 \*1 Recorded position to position ( Example : P1->12.) 17:00 ~ 0:05 S. CYLL 500.3 () pen 0:00 31:71 15:05 15.13 16.14 1:01 20.0 15:00. 0:15 6,00 R->1 241 0000 10:0 • H 00:0 0.00 00:0 0.0 10:0 (H)-(H) 0020 N-N ; 1st operation -6,00 8:30 8:30 14 9'LLT 1.wi L.081 0:56 17.7 . 917-6 10:02 Nn.1-X<-.T 7:50 \$1:0 00-00 0100 00:0 ÷. l'ind time """" 1.ift up 📑 l'ipe length "N end " . Life down =' l'nd time Start time It nd time Total time Lift up "2 26/81/1 Start time Start Line į End time Total time Total tine Start time Start time N tan ad time Total time Start lime I'nd time Valve Staff. Nun Scaff Anpere meter -Setup time Setup time Setup time Filling water Cumulative Driven time Dute : 3) Slide pump Operation Jump No. to) Kenurk WALL (0 5) Floater æ

\*5 Recurded parition to position ( Example : 1:2K Top of bank to River, Ni-2R Middle of bank to River ) \*2 Recorded position (a position ( Example : P4->F5 )

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Nat         Nat <th>Date :</th> <th>1118/95</th> <th></th>	Date :	1118/95											
Nati Nu2         Na.1         Na.2         Na.1			Ist operation	2nd operation	3rd operatic		r operation	5th c	peration	6th op	eration	7th o	peration
River Water Level         11714         - m         11723         - m			No.			ΰZ		No.1	No.2	No.1	No.2	No.1	No.2
Water Tenp.         15         - re         15         re			.•	- 5.7011	•	- w	-	- 1	ul	•	1	•	
Dist         Water feed at start         0.0         n         0.0         n<		•	3. •	•						•	<b>ی</b>	1	•
N-2         Water level at cad         1.8%         n         1.8%         n         1.8%         n <th< th=""><th>b) Lower Tank</th><th></th><th></th><th>\$</th><th>· .</th><th>a</th><th>1</th><th></th><th>a .</th><th></th><th>E .</th><th></th><th></th></th<>	b) Lower Tank			\$	· .	a	1		a .		E .		
C):1     Position     P1     P1     P1     P1     P2       C):2     Operation start time:     936     15/13     0.0     0.0     0.0     0.0     0.0       C):3     Suction Preverse:     5.0     5.0     0.0     0.0     0.0     0.0     0.0       C):4     Suction Preverse:     5.0     5.0     0.0     0.0     0.0     0.0     0.0       C):5     Deficiency Pressure:     2.10     2.10     2.10     0.0     0.0     0.0     0.0       C):5     Sufficiency Pressure:     3.0     3.0     3.0     0.0     0.0     0.0       C):5     Sufficiency Pressure:     3.10     3.00     16:14     1     1       C):5     Sufficiency Pressure:     3.2.0     3.00     16:14     1       C):5     Sufficiency Pressure:     3.2.0     3.00     16:14       C):5     Sufficiency Pressure:     3.00     <	(Stage-1)	£ .		1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.		E			8		- m		
Cylication start time         9/W         15/18         0         000			- - - - - - - - - - - - - - - - - - -										
Ci-3         Cumulative flue materie assure Sorg (G)         373(3)         0.0         3801         0.0	<b></b>		9:06									:	
O-4     Suction Pressure     5.0     5.0       C>5     Delivery Pressure     21.0     21.0       C>5     Ampere     34.0     44.0       C>6     Ampere     32.0     32.0       C>5     Stuffing box.Tenny.     22.0     32.0       C>8     Stuffing box.Tenny.     32.0     32.0       C>10     Operation cod time     10:02     16:14       C-11     Lounative thermater of a 23.0.3     3391.3       Annthy     U-Adjustment of fractage from joints.       Nonthy     U-Adjustment of shafts center.       Nonthy     U-Check of shafts temperature.       Konthy     U-Check of shafts center.       Constrain     Check of shaft stere and exchange of oil.       Yearly     Exchange of oil.       Check of vibration and noise.       Tokes of of shaft stere and exchange of precise.       Tokes of of vibration and noise.       Tokes of of vibration and noise.    <		1		1	3		i	0.0		0.0	0.0	0.0	0.0
Q-5     Definery Pressure     21.0     21.0       Cy5     Ampere     34.0       Cy5     Ampere     34.0       Cy5     Ampere     34.0       Cy5     Kennet     32.0       Cy5     Staffing box Temp.     32.0       Cy5     Staffing box Temp.     32.0       Cy5     Staffing box Temp.     32.0       Cy10     Operation end time     160.1       Cy11     Commenter at each     3730.8       Staffing box Temp.     3730.8     165.14       Cy11     Commander at each     3730.8       Andustre frammerer at each     3730.8     165.14       Anthly     169.02     165.14       Anthly     18.2     165.14       Anthly<	1		5.0	5.0									
c)-6     Ampere     34.0     34.0       c)-7     Voltage     400.0     400.0       c)-8     Bearing Temp.     20.0     32.0       c)-9     Stuffing box Temp.     22.0     32.0       c)-10     Operation cod time     10:02     16:14       c)-11     Cumulative form marker are out     37.0.8     3891.3       Remark     10:02     16:14     Note:       Monthly     10:02     16:14     Note:       Monthly     1     Adjustment of testage from joints.     Note:       Monthly     1     Examination and exchange of oil.     Note:       f     Monthly     1     Examination and exchange of oil.       f     Monthly     1     Exchange of oil.       f     Note:     Note:     Note:       f     Monthly     1     Exchange of oil.       f     1     Check of shaft stermerature.     Note:       f     1     Check of shaft steremerature.     Note: <th>c) Lower Pump</th> <th>1</th> <th>£</th> <th>21.0</th> <th></th> <th>• •</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>	c) Lower Pump	1	£	21.0		• •							
Cylitage     400.0     400.0       c)-9     Stuffing box Temp.     32.0       c)-9     Stuffing box Temp.     32.0       c)-11     Comunities down Temp.     32.0       c)-11     Comunities down Temp.     330.1       c)-11     Comunities down Temp.     330.1       c)-11     Comunities down Temp.     330.1.3       Remark     10.02     16.1.4       Monthly     10.23     3301.3       Romthly     1     Adjustment of testage from joints.       Monthly     1     Examination and exchange of oil.       f     Note:     1     Examination and exchange of oil.       f     1     Check of shaft stemperature.     Note:       f     1     Check of shaft stemperature.     Note:       f     1     Check of shaft stemperature.     Note:       f     1     Check of figuration and exchange of oil.     Stande error.       f     1     1     Check of figuration and exchange of oil.       f     1     1     1       f	<i>2</i>		34.0	34.0				1	-	•			: ;
c)-8     Ecaring Temp.     32.0     32.0       c)-9     Staffing box Temp.     29.0     30.0       c)-10     Operation cond time     10:02     16:14       c)-11     Cumulative fram mater at cond     3740.8     3801.3       Remark     I     Adjustment of teakage from joints.     Note.       Monthly     I     Examination and exchange of oil.     Note.       Monthly     I     Check of shafts temperature.     Note.       f     Monthly     I     Check of shafts temperature.       f     Check of shaft stemperature.     Note.       f     Check of shaft stemperature.     Note. <th></th> <th>c)-7 Voltage</th> <th>400,0</th> <th>400.0</th> <th></th> <th>1</th> <th></th> <th></th> <th> </th> <th></th> <th>-</th> <th></th> <th></th>		c)-7 Voltage	400,0	400.0		1					-		
c)-9 Stuffing box Temp.       29.0       30.0          c)-10 Operation and time       10:02       16:14          c)-11 Comountive from mater at end       3740.3       3891.3          Remark       3740.3       3891.3           Romark       U-Adjustment of trakage from joints.       Note:           Monthly       U-Adjustment of shafts temperature.       Note:           6 Monthly       Examination and exchange of oil.       Note:           7 Kearty       Check of shaft stemperature.       Note:           7 Vearty       Check and adjustment of shafts center.       Note:           7 Vearty       Check and exchange of nethnical-scals.             7 Vearty       Check of shaft sleeve and exchange of remotical-scals.             7 Vearty       Check of shaft sleeve and exchange of nethnical-scals.             7 Vearty       Check of shaft sleeve and exchange of nethnical-scals.             7 Vearty       Teck and exchange of nethnical-scals.		c)-8 Bearing Temp.		32.0								:	
C)-10     Operation and time     10:02     16:14       Remark     3740.8     3891.3       Remark     3740.8     3891.3       Monthly     1     Adjustment of leakage from joints.       Monthly     1     Adjustment of leakage from joints.       Monthly     1     Examination and exchange of oil.       Monthly     1     Examination and exchange of oil.       Foresk of shafts temperature.     Note.       Check of vibration and noise.     Note.       Yearly     1     Check of shaft sleeve and exchange of grand pucking.       Yearly     1     Check of vibration and noise.       Yearly     1     Check of vibration and other.       Yearly     1     Check of vibration and exchange of grand pucking.       Yearly     1     Check of vibration and exchange of more cashs.       Yearly     1     Check of varing at revolving part.       2 Years     1     Check of warring at revolving part.       1     Check of inside casing.     11 the other parts.	3)	c)-9 Stuffing box Temp.		30.0					1	•			
C)-11     Cumulative flow mater arcad     3740.8     3591.3       Remark     3740.8     3591.3     10       Monthly     U.d.djustment of teakage from joints.     Note:       Monthly     U.d.djustment of teakage from joints.     Note:       Monthly     U.d.djustment of stafts temperature.     Note:       6     Monthly     U.d.beek of shafts temperature.       1     Cheek of shafts temperature.     Note:       1     Cheek of shaft sterperature.     Note:       1     Cheek of shaft sterperature.     Note:       1     Cheek of shaft sterperature.     Note:       2     Yearly     Cheek of word exchange of mechanical-scals.       2     Yearry     Overbaul and exchange of mist part.       2     Yearry     Overbaul and exchange of mist part.       1     Adjustment of all the other parts.     Adjustment of all the other parts.	4-5	c)-10 Operation end time	10:02	16:14									:
Remark     U Adjustment of leakage from joints.       Monthly     U Adjustment of leakage from joints.       Monthly     U Adjustment of shafts center.       Monthly     Check of shafts temperature.       6 Monthly     U Check and adjustment of shafts center.       Yearly     U Check and adjustment of shafts center.       Yearly     U Check of shaft sleeve and exchange of grand packing.       Yearly     Exchange of oil for bearing shaft.       Overhaul and exchange of mechanical-seals.     U check of wearing at revolving part.       Check of inside casing.     U check of inside casing.	<u> </u>	c)-11 Coundative flow mater at end	3740.8	3891.3		-						-	1
Adjustment of leakage from joints.         Monthly       Examination and exchange of oil.         Check of shafts temperature.         Monthly       Check and adjustment of shafts center.         Check of vibration and noise.         Check and exchange of mechanical-seals.         Yearly       Check of shaft sleeve and exchange of grand packing.         Yearly       Check and exchange of mechanical-seals.         Yearly       Exchange of oil for bearing shaft.         Yearls       Overhaul and exchange of oring. Gasket. V-ring, and others.         Zyears       Check of wearing at revolving part.         Check of inside casing.       Check of inside casing.	Ģ	Remark											
Monthly 6 Monthly Ycarly 2 Ycarls	· ·		■ Adjustment	nt of leakage from	r joints.	· ·		Note:					
6 Monthly Yearly 2 Yearly		Monthly	1 Examinati	ion and exchange	of oil.				•				
6 Monthly Yearly 2 Yearly			[] Check of :	shafts temperatur	ţ								
		6 Monthly	Check and	d adjustment of s	hafts center.								
Ycarty 2 Yearts			Check of	vibration and nois	J.								
	c) Maintenance		Check of	shaft siceve and c	schange of gran	nd pack	in :		•				
	••••• •	Yearly	Check and	d evchange of mee	chanical-scals.								
			Exchange	of oil for bearing	shaft.								
			Overhaul	and exchange O-i	ring. Gasket. V	-ring. a	nd others.						
<ul> <li>Check of inside casing.</li> <li>Adjustment of all the other parts.</li> </ul>	• • • -		Check of	wearing at revolvi	เกร part.								
1 / Adjustment of all the other parts.			+   Check of	inside casing.									
			Adjustme	nt of all the other	parts.	•		:					

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**Civil Monitoring Sheet** 

(1)         Description         Ext expertation         Zublicection         Zublicection <thzublicection< th="">         Zublicection</thzublicection<>	-	Date :	\$6/61/2														ſ
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	ි ධ	peration		list open	ation	2nd opc	ration	3th oper	itim	4th oper	ution	Sth uper-	ation	6th oper-	(jou	7th oper:	તાંખા
Lith dem 1         Table 1	4	mp No.		No.1	No.2	Na.1	No.2	No.1.	. No.2	. N1	No.2	- No.1	N6.21	No.1	Nai2	1 4 N	N=2
Static         7 <td></td> <td></td> <td>Idewn *</td> <td><b>~</b></td> <td></td>			Idewn *	<b>~</b>													
Numericani         7.80         1.80			Neafr	•													
Floatinier         7.5.         6.00	s S	ide pump	Start time	1:00.										· ·			
Total line         Opin		Setup time	l'nd time	7:45													
Motor         TS-P1         TS-P1         TS-P1         TS-P1         TS-P1         TS-P1         TS-P1         TS-P1         TS-P1         TS			Total time	0:45	0:00	0:00	0:00	00-00	0.00		0:(K)	0:00	0:00	0:00	0:00	0:00	0:00
Neutr         Neutr <th< td=""><td>kana pa</td><td></td><td></td><td></td><td></td><td>14~21</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>	kana pa					14~21											
Natr (ass.)         Natr (ass.)         1746 <td></td> <td></td> <td>Null</td> <td></td>			Null														
Indution         End (or indution         End (or indution         13(b)         End         000         600         Fere         100         600         Fere         100         600         Fere         100         600         Fere         100         600			Start time			54:51											
Totations         000         0			I nu time			18:09									1		
Lign downer         T-3.R         T-3.R <tht-3.r< th=""> <tht-3.r< th="">         T-3.R</tht-3.r<></tht-3.r<>			Total time	00:0	00:0	0:24	040:0	00:0	0:0	0040	40:40 40:40	÷ .	0-04	0:00	0:00	INI:0	0:00
Natifier         1<			Lift down"?	×ı<-,1.													
Politication         2:10         0:00	E C	loatur	Ntaff	-													
Field time         745         0.00         0.000         <		Setup time	Start time	7:10													
Total time         USX         DE/D         USA         DE/D		-	Find time	2145													
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op time         i.i.d tim         i.i.d tim         i.i.d tim </td <td>÷</td> <td>viling water</td> <td>Ntart Lime</td> <td>7:45</td> <td></td> <td>0:00</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td>	÷	viling water	Ntart Lime	7:45		0:00									-		
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tinu: Fad tine 9:34 13:58 10 0:00 0:00 0:00 0:00 0:00 0:00 0:00	<u>F</u>		[Slart time			14-12		i and and interview.									
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are note:         N. end         S.2.1         S.4.9         n.0         0.0		umulative	M start	\$ (1).3	:	1725		• • •			:						
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Valve Open 1 Recorded position to position ( Example : 21 -22 2 Recorded position to position ( Example : 14-22 *3 Recorded position to contion ( Example : 1-223			Total time	13.8	- 0'0	21,X	0.0	0'0	0.0	0.0	0.0	0'0	0'0	0.0	0'Ü	0,0	9,0
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<ul> <li>1 Recorded position to position (Example : P1 -&gt;P2 )</li> <li>2 Recorded position to position (Example : P4-P3 )</li> <li>a Exceeded maritant to constraint (Example : [2&gt;R Top of bunk to River. N=&gt;K Middle of bunk to River )</li> </ul>	2 (0)	umark										-					
•2 Recorded pusition (e position ( Example : 14-2P3 ) •1 Eccented maritant ( Example : 17-2R Top of burk (a River, M-2K Middle of bunk to River )	ļ		1 Ikourded p	unition to pow	dition ( Examp	ble : 1'1 >1'2	(	. 7									
et Recorded maritan (Example : 1.2K Top of bank (n Kiver, M-2K Middle of bank to Kiver )		•	*2 Keenrded p	wition to pow	ition ( Examp	Me : 1'4->P3	)	an a									
	•	•	-1 Recorded n	witian to now	Ation C.E.vanar	Let V.>R T	or of hank to	Nor. N->k	Middle of hu	nk to River	•						

•4 Recorded position to position ( Example : ReFT River to Top of bank, R.FT River to Middle of bank.)

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No.1         No.2         No.1         No.1         No.2         No.1         No.2         No.1         No.2         No.1         No.1         No.2         No.1 <th< th=""><th>Date :</th><th>•</th><th>7/19/95</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th>ť</th><th></th></th<>	Date :	•	7/19/95											ť	
Number         Num         Num         Numer	,   		:	1st operation	2nd operation	3rd op	eration	4th op	eration	Sth of	peration	وربه د	peration	o uv	<b>Seration</b>
Chang         3>1         River Wviet Credi         117.5         In 119.3         <				No.1 No.2	<b>-</b>		No.2	No.1	No.2	No.1	No.2	No.1			No.2
Cthu         j>2         Water Frequ.         j+1         Water Frequ.         j+1 $\infty$		1-(a	River Water Level	W		1	- E -		а •		•	• •	B • • •	1	E   1
Lurser Tauli (b):1         Water feed at start         0.10         m		u)-2	Water Temp.		• <sup>1</sup>		S		<b>5</b>		, ,	•	<u>,</u>	,	, , ,
(Stage-1)         by.2         Water level at card         188         m         15.         m		1-(4	Water level at start	0.10	•		E		е, т		Е		a 		8     •
Position         P2         P2         P2         P2         P2         P3         P3         P4         <		4	Water level at end	1.88	•				1 1		н -		E -		-
Operation surf time     8.33     14:12     0.0<			Position	P2	P2									1	: t
Cumulative from merer arsam     3891.7     4047.9     0.0     416.0     0.0					14:12		 - -					1	_		
Suction Pressure     4.5     4.5       Delivery Pressure     22.0     22.0       Delivery Pressure     22.0     34.0       Ampere     34.0     34.0       Voltage     32.0     34.0       Stuffing box Temp.     32.0     29.0       Stuffing box Temp.     29.0     29.0       Stuffing box Temp.     29.0     29.0       Stuffing box Temp.     29.14     14:58       Operation end time     9.34.     14:60.2       Operation     14:60.2     16:0.2       Monthly     14:60.2     16:0.2       Remark     LJAdjustment of leakage from joints.       Monthly     1.1:Check of shafts temperature.       Monthly     1.1:Check of shaft steeve and exchange of oil.       Veury.     1.1:Check of shaft steeve and exchange of frand packing.       Yearty     1.1:Check of shaft steeve and exchange of frand packing.       Yearty     1.1:Check of shaft steeve and exchange of frand packing.       Yearty     1.1:Check of shaft steeve and exchange of frand packing.       Yearty     1.1:Check of shaft steeve and exchange of frand packing.       Yearty     1.1:Check of starting at revolving part.       1.1:Overhanel and exchange of nil for bearing part.       1.1:Adjustment of all the other parts.		÷	Connulative flow nucler at start		е.,	4160.2	0.0	0.0	0'0	0.0	0.0	00		0.0	
Delivery Pressure     22.0     22.0       Ampere     34.0     34.0       Voltage     400.0     34.0       Stuffing box Temp.     32.0     30.0       Stuffing box Temp.     22.0     14:58       Stuffing box Temp.     23.4     14:58       Operation end time     9.34     14:60.2       Monthly     Udjustment of leakage from joints.       Monthly     T Examination and exchange of oil.       Comunities     10.47.9       Adjustment of shafts temperature.       Monthly     U Check of shaft stemperature.       Cumulative flow nutret af end     10.04.0       Monthly     U Check of shaft stemperature.       Adjustment of leakage from joints.     10.000.       Monthly     U Check of shaft stemperature.       Fourier     10.000.       Adjustment of leakage from joints.       Monthly     U Check of shaft stemperature.       Adjustment of shaft stemperature.       Advist     10.000.       Advist<		7	Suction Pressure	1.5	+.5 +										
Ampere     34.0     34.0       Voltage     400.0     400.0       Stuffing pox Temp.     32.0     70.0       Stuffing pox Temp.     29.0     29.0       Stuffing pox Temp.     29.0     29.0       Stuffing from pox Temp.     29.0     14:58       Operation end time     9:34     14:58       Operation rend time     9:34     14:60.2       Manthly     U Adjustment of leakage from joints.       Remark     U Check of shafts tempcrature.       6 Monthly     U Check of shaft stempcrature.       1 Check of shaft stempcrature.     1 Check of shaft stemperature.       7 Check of vibration and noise.     1 Check of vibration and noise.       1 Check of vibration and stemperature.     1 Check of vibration and stemperature.       2 Years     1 Check of vibration and exchange of mechanical-scals.       1 Check of vibratig at revolving part.     1 Check of wearing at revolving part.       1 Adjustment of all the other parts.     1 Adjustment of all the other parts.	c) Lower Pump	p.c)-5		22.0	22.0					1			R		-
C)-7     Voltage     400.0     400.0     400.0       C)-8     Bearing Temp.     32.0     70.0     70.0       C)-9     Stuffing box Temp.     29.0     29.0     70.0       C)-10     Operation end time     9.34     14.60.2     14.60.2       C)-11     Cimulative flaw mater at end     40.47.9     4160.2     14.60.2       Remark     L/Adjustment of leakage from joints.     1.14.58     14.60.2       Monthly     T Examination and exchange of oil.     1.1.58     14.60.2       Yearty     T Examination and exchange of oil.     1.1.58     14.60.2       Yearty     T Exect and adjustment of shafts temperature.     1.1.58     14.60.2       Yearty     T Check of shaft steeve and exchange of oil.     1.1.54     1.1.54       Yearty     T Check of shaft steeve and exchange of mechange of grand packing.     1.1.54       Yearty     T Check of wearing at revolving part.     1.1.54       Z Yearts     T Check of wearing at revolving part.     1.1.54       T Check of inside casing.     1.1.60     1.1.60		Ĵ		34.0	34.0									:	
c)-8     Bearing Temp.     32.0     30.0       c)-9     Stuffing box Temp.     29.0     29.0       c)-10     Operation end time     9.34.     14:58       c)-11     (c)-11     (c)-11     (c)-11       Remark     10.47.9     14:60.2       Monthly     [-]     [-]       Remark     [-]     [-]       Adjustment of leakage from joints.       Romathy     [-]       I     Adjustment of shafts temperature.       6     Monthly       [-]     Check of shafts temperature.       [-]     Check of shaft steeve and exchange of oil.       [-]     Check of shaft steeve and exchange of packing.       Yearty     [-]       [-]     Check of shaft steeve and exchange of packing.       [-]     [-]       [-]     [-]       [-]     [-]       [-]     [-]       [-]     [-]       [-]     [-]       [-]     [-]       [-]     [-]       [-]     [-]       [-]     [-]       [-]     [-]       [-]     [-]       [-]     [-]       [-]     [-]       [-]     [-]       [-]     [-]			Voltage	100.00	100 0										•
c)-9     Stuffing box Temp.     29.0     29.0       c)-10     Operation end time     9.34     14:58       c)-11     (c)-11     (c)-11     14:60.2       Remark     4160.2     14:60.2       Monthly     1     14:60.2       Remark     L-Adjustment of leakage from joints.       Monthly     T.Examination and cxchange of oil.       (a) Nonthly     T.Exemination and cxchange of oil.       (a) Nonthly     T.Check of shaft stempcrature.       (b) Nonthly     T.Check and adjustment of shafts center.       (c) Nonthly     T.Check of shaft stempcrature.       (c) Nonthly     T.Check of shaft stempcrature.       (c) Northaul and cxchange of oil.     T.Check and exchange of mechanical-scals.       (c) Check and exchange of oil for bearing shaft.     T.ing. and others.       2 Years     T.Check of wearing at revolving part.       (c) Check of niside casing.     T.Check of niside casing.			Bearing Temp.	32.0	30.0							:	1		
c)-10     Operation end time     9:34     14:58       c)-11     Comulative flow nater at end     4047.9     4160.2       Remark     Joury     1     14:60.2       Romark     Joury     1     14:60.2       Monthly     I     Ladjustment of leakage from joints.       I     I     Check of shafts temperature.       6     Monthly     I     Check of shafts temperature.       1     Check of shaft steeve and exchange of oil.     1       Yearly     I     Check of shaft steeve and cochange of grand packing.       Yearly     I     Check of shaft steeve and cochange of grand packing.       Yearly     I     Overhaul and exchange of mechanical-scals.       2     Yearly     I     Overhaul and exchange O-ring. Gasket, V-ring, and others.       1     Overhaul and exchange O-ring. Gasket, V-ring, and others.       1     Overhaul and exchange O-ring. Gasket, V-ring, and others.		C)-0	Stuffing box Temp.	29.0	29.0										
c)-11     Comulative flow mater at end     4047.9     4160.2       Remark     Ld Adjustment of leakage from joints.       Monthly     TExamination and exchange of oil.       6     Monthly     TExamination and exchange of oil.       6     Monthly     Check of shafts temperature.       1     Check of shafts temperature.       1     Check of shaft steeve and exchange of grand packing.       Yearly     1       1     Check of oil for bearing shaft.       1     Overhaul and exchange of mechanical-seals.       1     Overhaul and exchange of mechanical-seals.       1     Overhaul and exchange of mechanicy. V-ring, and others.       2     Years       1     Overhaul and exchange of oil for bearing shaft.		01-0	Operation end time	9.34	11:58										
Remark     L/ Adjustment of leakage from joints.       Monthly     L/ Adjustment of leakage from joints.       Monthly     Check of shafts temperature.       Monthly     Check and adjustment of shafts center.       Check and adjustment of shafts center.     Check and adjustment of shafts center.       Check and adjustment of shafts center.     Check and center of shafts center.       Check and center of shaft sleeve and exchange of grand packing.       Yearty     Check and exchange of mechanical-scals.       Yearty     Check of vering at revolving part.       Overhaul and exchange O-ring. Gasket, V-ring, and others.       Check of wearing at revolving part.       Check of inside casing.		[]-[]	Connulative flow mater at end	1017.9	4160.2										-
Image: Control of Control of Control of Control         Monthly       Image: Control of Shafts temperature.         Image: Control of Shaft steeve and exchange of grand packing.         Image: Control of Shaft steeve and exchange of mechanical-seals.         Image: Control of Shaft.			Remark												
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Yearty. 2 Yearts	e) Maintenand	- 23		1 Check of	shaft sleeve and c	exchange	of grand l	packing		<del></del>					
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		. <b>.</b>		Exchange	e of oil for bearing	g shaft.									
1-1 Chee 1-1 Chee 1-1 Adjue	•			1 Overhaul	l and exchange O-	-ring, Ga	sket, V-rů	ពខ្លះ រាពជំ	others						:
<sup>1</sup> Check of inside casing. <sup>1</sup> Adjustment of all the other parts.			2 Years	1.1 Check of	wearing at revolv	ving part	:	•	-						
1 : Adjustment of all the other parts.			-	Check of	inside casing.	•									
				1 Adjustm	ent of all the other	r parts.									

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**Civil Monitoring Sheet** 

Pump No.     Pump No.       Stide pump No.     Stide pump No.       Stide pump No.     Stide pump No.       Stide pump No.     Stide pump No.       Privation     Stide pump No.	Horizonani         Exal         Sul operation         Jul operation         Sul operation         Sul operation           Horizonani         Field         Na         Na <td< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th>•</th><th></th><th></th></td<>															•		
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\*3 Recorded pusition to position ( Example : T.>R Top of bank to River, M.>R Middle of bank to River )

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ε E ļ 7th operation 00 No.2 00 , Zo Z • ç Ξ a 6th operation Ξ 0.0 No.2 0.0 Z<sub>0</sub>.1 mų. 8; 8 5th operation 0.0 No.2 1 0.0 No.1 ----1 Note: ŝ 8.8 Ξ °. 4th operation Overhaul and exchange O-ring, Gasket, V-ring, and others. 0.0 No.2 <sup>1</sup>Check of shaft sleeve and eschange of grand packing. 0.0 No.1 ļ E, o Ξ. 3rd operation ũ 0.0 N0.2 <sup>1</sup> Check and exchange of mechanical-seals. <sup>1</sup>Check and adjustment of shafts center. 1465.2 Check of wearing at revolving part. Adjustment of leakage from joints. Z0.1 <sup>[]</sup> Examination and exchange of oil. " Adjustment of all the other parts. Exchange of oil for bearing shaft. Ì <sup>1</sup> Check of shafts temperature. Check of vibration and noise. ų ĉ Ξ 2nd operation Ξ 0.0 No.2 Check of inside casing. No.1 -0:10--15:20 4465.2 t.7911 1.90 1311.0 420.0 17.1 34.0 30.0 23.0 P2. Ŷ E .º THI . Ξ 1st operation i, No.2 • 1311.0 5-1911 0.10 1.90 1160.3 No.1 1 8.30 23.0-+20.0 32.0 30.0 34.0 9:30 + 5 + 2 Cumulative New meter at start C)-11 Cumulative flow mater at end **Operation start time** c)-10 Operation end time Water level at start Stuffing box Temp. River Water Level Water level at end Delivery Pressure Suction Pressure 6 Monthly Monthly Bearing Temp. 2 Years Ycarly Water Temp. Voltage Position Remark Ampere 7/21/95 b)-2 <u>0</u>-7 a)-2 c)-8 ;; ;; 5 5 ن () ŝ Lower Tank |b)-1 ÷ С С 7 c) Lower Pump c)-5. c) Maintenance Date : (Stage-1) Chang Chhu

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**Civil Monitoring Sheet** 

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4M):() . 1010 00:0 90:00 No.2 00:0 90-0 2 -7th operation No.1 00-0 00:0 00:0 9950 1N340 9**1**1 6.9 0410 0040 00:0 0050 0:00 ¢, No.2 9950 : ----6th operation Na.1 00:0 0110 0H)-(H) 9.0 0 0.00 99%0 0:0 i. 1 1 0:040 000 00:00 0-00 Ne.2 0:00 0110 0.0 Sth operation Ne.1 Ne. İ ; 0:00 0:00 0:00 0020 ÷. 00:0 0100 0070 80 0.00 **9**; No.N 00:0 00:00 4th operation ÷ Ţ -0-00 1.0N 0440 0110 00:00 00:0 00.0 0.0 ł 00:00 10:0 00:00 -0110-0110 0.00 0.0 100 N ł **3th operation** Na.1 -----00-0 0:00 0:00 0030 (H): () 00-00 0.0 -----÷ No.2 0:00 0:00-0:00 01:0 0:00 0.0 0110 2nd operation 0:59 15:22 13:25 612.2 -0-04-N...1 19.9 -13:31 Open 90°% 0:20 0:00 15:00 15:20 00.0 K.>T 0.4% 11:30 622.1 ŕ 01-00 00:0 NHN. 0:00 0:00 ..... 00:0 0100 ÷0. A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR A CONTRAC 1st operation į 9 Ed~14 6.1 ł 0:13 27209 67785 Open 90;9 0:00 6 . 7:35 7:45 0:00 (H): 1 0:10 8.00 7:45 8:118 1 7:14 13 Start time Ead time Total time Lift dawn \*\* Ntaff ind time Lift up 42 Neaff LAR down." Start time Lift up 💅 Pipe length SKIZUL Start lime Start time Find time Total time Total tune Start time End time l'otal time l otal tame **Total time** Total time Start time Find time I ad time - Ni curi -At And Valve " Null Lany. Ampere meter Setup time Sutup time Sotup time Date : Filling water Driven time Cumulative 3) Slide pump Pump No. 0) TANK 10) Remark Operation 5) Floater Э

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"I Recurded praction to position ( Example : P1.>P2.) \*2 Recorded perition to position ( Example : P4->13.)

•3 Recorded position to position ( Example : T->K Top of bank to River, M->R Middle of bank to River )

			1 st operation	2nd operation	3rd of	3rd operation	4th 0	4th operation	20 010	5th operation	0000	our operation		/ (11 0)/01 11/101
			No.1 No.2	No.1 No.2	No.1	N0.2	N0.1	No.2	No.1	No.2	No.1	No.2	No.1	No.2
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a) Chang	72 1-(n	Kiver Water Level						\$		ې د ا	•	ູບ	•	
Chhu	a)-2 W	Water Temp.	15 - °c			, ,		·						
) Lower Tank	(b)-1-(d)	b) Lower Tank (b)-1 Water level at start	0.10 - m	0.10 - m		E .		i :		•		-	AND I THERE HAS AN AN A THE	
(Stare-1)	b)-2 W	Water level at end	1.90 - m	u - 06.1		в -		ш '		E •		E -		E
L.	(c)-1 Pc	Position	P3	P3				1		1		•	1	
	• • • •	Operation start time	6.09	13:31		• • • • •				and the second				
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c) Lower Pump c)-5		Delivery Pressure		23.0			;							•
	1.	Ampere	33.0	35.0			1						:	
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		Bearing Temp.	30.0	32.0										:
		Stuffing box Temp.	29.0	30.0										
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	0 11-0	Cumulative flow mater at end	4607.7	4758.3										
Q		Remark												
			U Adjustme	□ Adjustment of leakage from joints.	n joints.				Notc:					
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		· · · · · · · · · · · · · · · · · · ·	Check of	Check of shafts temperature.	5		1	•						
		6 Monthly	<sup>[1]</sup> Check an	Check and adjustment of shafts center.	shafts co	inter.								
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e) Maintenance		4 .	LI Check of	1. Check of shaft sleeve and exchange of grand packing	exchange	e of grand.	packin	ដ្ឋ	<u> </u>					
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	•	•	: Exchange	i Exchange of oil for hearing shaft.	g shaft.									
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**Civil Monitoring Sheet** 

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Tope length $x_{00}$	Prope length         X,00         0,00	Proper length         8,00         8,00         8,00         13:22         8,00         13:22           Start time:         7:20         13:27         0:10         0:132         0:100	- - - -	"Total time	1	0:00		95°0	0,00	0.00	0.00	0:00	0:00	0:00	00-0	0:00	005-4	0.50M	0020
Nant time         7.20         13:27         9:00         0:30         0:10         0:30	Start time         7:20         13:22         13:22         13:22         0:00	Start time:         7:20         13:27		14pe leng		X.00		8.00	· .										
Prime         Find time         7:48         13:27         9:00         0:00	Prime         Fad time         7:48         13:27         9:00         0:00	Prime         Frand time         7-48         13-27         9-10         0-100         1-100         0-100         1-100         0-100         1-100         0-100         1-100         0-100         1-100         1-100         1-100         1-100         1-100         1-100         1-100         1-100         1-100         1-100	v gniffi (i			7:20		13:22				: 				:			. <u></u> .
Total time $0:2X$ $0:10$ $0:05$ $0:01$ $0:00$ $0:01$ </td <td>Total line     0:28     0:10     0:50     0:10     0:10     0:10       Nint time     8:07     13:29     0:00     0:10     0:10     0:10       Nint time     8:07     14:28     0:00     0:10     0:10     0:10       Nint time     8:07     14:28     0:00     0:10     0:10     0:10       Nint time     9:01     14:28     0:00     0:10     0:10     0:10       Not time     0:54     0:00     0:50     0:10     0:10     0:10       Not time     0:54     0:00     0:10     0:10     0:10     0:10       N table     632.1     640.1     658.3     0.0     0.0     0.0       No cold     640.1     658.3     0.0     0.0     0.0     0.0       Valve     Open     0.0     0.0     0.0     0.0     0.0</td> <td>Total time       0:28       0:10       0:00</td> <td>S. tu</td> <td></td> <td></td> <td>****</td> <td></td> <td>13.27</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td></td> <td>100-10</td> <td>1917-0</td> <td>0-00</td>	Total line     0:28     0:10     0:50     0:10     0:10     0:10       Nint time     8:07     13:29     0:00     0:10     0:10     0:10       Nint time     8:07     14:28     0:00     0:10     0:10     0:10       Nint time     8:07     14:28     0:00     0:10     0:10     0:10       Nint time     9:01     14:28     0:00     0:10     0:10     0:10       Not time     0:54     0:00     0:50     0:10     0:10     0:10       Not time     0:54     0:00     0:10     0:10     0:10     0:10       N table     632.1     640.1     658.3     0.0     0.0     0.0       No cold     640.1     658.3     0.0     0.0     0.0     0.0       Valve     Open     0.0     0.0     0.0     0.0     0.0	Total time       0:28       0:10       0:00	S. tu			****		13.27						1			100-10	1917-0	0-00
Start time $3:07$ $13:29$ $13:29$ $0:10$ $13:29$ $0:10$ <th< td=""><td>Start time         %107         [3:29]         [3:29]         [3:10]         [3:00]         <th[3:0]< th="">         [3:00]         <th[3:0]< t<="" td=""><td>Klant time         %107         13:29         13:29         0:10</td><td></td><td>Total tim</td><td></td><td>0:ZX</td><td>0110</td><td>9:02</td><td>0-00</td><td>00-00</td><td>0.60</td><td>0.0</td><td>0:00</td><td>011:0</td><td>0200</td><td>041<sup>2</sup>1</td><td>20550</td><td></td><td></td></th[3:0]<></th[3:0]<></td></th<>	Start time         %107         [3:29]         [3:29]         [3:10]         [3:00] <th[3:0]< th="">         [3:00]         <th[3:0]< t<="" td=""><td>Klant time         %107         13:29         13:29         0:10</td><td></td><td>Total tim</td><td></td><td>0:ZX</td><td>0110</td><td>9:02</td><td>0-00</td><td>00-00</td><td>0.60</td><td>0.0</td><td>0:00</td><td>011:0</td><td>0200</td><td>041<sup>2</sup>1</td><td>20550</td><td></td><td></td></th[3:0]<></th[3:0]<>	Klant time         %107         13:29         13:29         0:10		Total tim		0:ZX	0110	9:02	0-00	00-00	0.60	0.0	0:00	011:0	0200	041 <sup>2</sup> 1	20550		
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Total time $0:54$ $0:00$ $0:59$ $0:100$ $0:0$ $0:0$ </td <td>Total time         <math>0:54</math> <math>0:90</math> <math>0:59</math> <math>0:100</math> <math>0:900</math> <math>0:90</math> <math>0:01</math> /td> <td>Total time     0:54     0:00     0:59     0:100     0:10     0:10</td> <td>Divent</td> <td></td> <td></td> <td>9:01</td> <td></td> <td>*2:41</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0-01</td> <td>9-6</td>	Total time $0:54$ $0:90$ $0:59$ $0:100$ $0:90$ $0:01$	Total time     0:54     0:00     0:59     0:100     0:10     0:10	Divent			9:01		*2:41										0-01	9-6
Ive     N start     622.1.     640.1.       runder     M end     640.1.       runder     M end       fund     13.0       13.0     0.9       0.9     0.0       0.0     0.0       0.0     0.0       0.1     0.0    0	Ive         Wester         622.1         640.1           rc meter         M end         640.1         658.3           rc meter         M end         640.1         658.3           rc meter         M end         640.1         6.0           Value         134.0         0.0         0.0         0.0           Value         136.0         0.0         0.0         0.0         0.0	Nv     Nv start     622.1.     640.1.1     640.1.1       vv nulur     N crud     (410.1)     6583.3     0.0     0.0     0.0     0.0     0.0     0.0       V value     18.0     18.2     9.0     0.0     0.0     0.0     0.0     0.0     0.0       Value     Open     0.0     0.0     0.0     0.0     0.0     0.0     0.0       Value     Open     Open     0.0     0.0     0.0     0.0     0.0     0.0       value     Open     18.2     9.0     0.0     0.0     0.0     0.0     0.0       value     Open     18.2     9.0     0.0     0.0     0.0     0.0     0.0       value     Open     18.2     9.0     0.0     0.0     0.0     0.0     0.0				1.1	0:00	0:59	0,110	0-00	0-00	0;01	0010		<u> </u>				
ez meler // end 640.1 65X.3 (67X.3 (70 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	er meter /N end 640.1 65%.3 65%.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	Result     M. cnd     G40.1     658.3     9.0     0.0     0.0     0.0     0.0     0.0     0.0       Total time     1%.0     0.0     1%.0     0.0     0.0     0.0     0.0     0.0     1.0     1.0       Value     Open     0.0     0.0     0.0     0.0     0.0     0.0     0.0     1.0       Value     Open     Open     Open     1%.0     0.0     0.0     0.0     0.0						1.013	: " ' 						:			:	:
Constitution     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0       Value     Value <td>Total time     1x.0     0.0     1x.2     0.0     0.0     0.0     0.0       Valve     Copen     Open     Open     0.0     0.0     0.0     0.0</td> <td>Total time     1x.0     0.0     1x.2     0.0     0.0     0.0     0.0     0.0       Valve     Open     Open     Open     0.0     0.0     0.0     0.0     0.0</td> <td>2 mV</td> <td></td> <td></td> <td>-</td> <td></td> <td>65X.3</td> <td>-</td> <td></td>	Total time     1x.0     0.0     1x.2     0.0     0.0     0.0     0.0       Valve     Copen     Open     Open     0.0     0.0     0.0     0.0	Total time     1x.0     0.0     1x.2     0.0     0.0     0.0     0.0     0.0       Valve     Open     Open     Open     0.0     0.0     0.0     0.0     0.0	2 mV			-		65X.3	-										
				l'otal tim		-1%0	0.0	1X.2	0'0	0.0	0.0	6.0	0'0	6'1	p'n				
				Valve		Open		Open											
		•1 Recorded positions to position ( Example : P1-2P2.).	10) Remark									-							

13 Recorded pasition to position ( Example : T.>R Top of back to River, M.>R Middle of hank to River.)

as 13-and at a maiting ( Kample ; K-2'' River to Top of bank, K-2'' River to Middle of bank )

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				1st-operat	cration	2nd of	2nd operation		<b>3rd operation</b>		4th operation	Sth o	5th operation	6th ope	6th operation	7th op	7th operation
				No.1	N	No.1	No.2	No.1	No.2	No.1	No.2	No.1	No.2	No.1	No.2	No.1	No.2
a) Chang			River Water Level	1.7911	w -	m 1197.0	<b>w</b> -	1	÷ .	- w			- m	1		4	w -
Chhu	<u>L</u>	-7	a)-2 Water Temp.	- 11		14 J	- "c		- °c	-	ວ. -		- °C		ວ. -		۔ د
b) Lower	Lower-Tank b-1		Water level at start	01.0	- w	0.10	-	<b>1</b>	-		- m		8		E -		e
(Stage-1)	-1) 1)-2		Water level at end	06.1	- m	1.90	- W	1	- n		- m		- n				- 10 -
- :	C)-1		Position	- Ind.		Id.	1	:									
	c)-2	:	Operation start time	8.07		13:29	÷ •. €					1		-	:	-	
	c)-3		Consulative flow noter at start	4758.3		1900.3	0.0	5041.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7		Suction Pressure	5.2		5.2			-							1	
c) Lower Pump c)-5	Pump c)-{		Delivery Pressure	21.0		21.0		-									
	9-(J		Ampere	0 <del>1</del>		34,0	:	:			1						•
- 31 - 44-	<u>ି</u>	<u></u> 2	Voltage	100.01		100.001											
	3°-()		Bearing Temp.	30.0		32.0											
- Decision	c)-0		Stuffing box Temp.	29.0		30.0		-							•		<b>)</b>
	6	9	c)-10 Operation and time	10:6		14:28							:				
	<u>์</u>	C)-11	Cumulative flaw mater at end	10005		5041.1											
(p			Remark														
				<b>,</b> 1.1.	1 Adjustment of leakage from joints.	nt of Ica	kage frot	m joints				Note:					
			Monthly	5	[] Examination and exchange of oil.	on and	exchange	t of oil.									
					<sup>4</sup> <sup>1</sup> Check of shafts temperature.	halfs to	mperatu	5	:								
			6 Monthly	1.1.	<sup>11</sup> Check and adjustment of shafts center.	I adjusti	ment of	shafts co	enter.								
					<sup>1</sup> Check of vibration and noise.	hration	ion but r	ise.		۰.							
c) Maintenance	nance			- t-)(	Check of a	haft sle	eve and c	exchang	1.1 Check of shaft sleeve and exchange of grand packing,	l packin	ŧ						
			Yearly	<u> </u>	<sup>11</sup> Check and exchange of mechanical-seals.	I exchar	ige of me	chanica	d-seals.								
	• • •				Exchange of oil for bearing shaft.	of oil fo	r bearin;	g shaft.				-					
		;			Overhaul	and exe	hange O	Fring, G	· Overhaul and exchange O-ring, Gasket, V-ring, and others,	ing, and	I others.			:	:		
			2 Years		Check of wearing at revolving part.	vearing	at revolv	ving par	ť		÷	•		,			
		. 1		-	Check of inside casing.	nside ca	Ising.	•		•. •	:						
		-		I DAULT AG	Adjustmen	It of all	ustment of all the other parts.	r narts.			-						

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**Civil Monitoring Sheet** 

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7125/95

Date :

Wait         Mait         Mait <th< th=""><th>Durp No.         Solution No.1         Solution No.2         Solution No.2</th><th><ol> <li>Operation</li> </ol></th><th>•</th><th>1st operation</th><th>ાભ્યુસ</th><th>- 2nd aper</th><th>2nd operation</th><th></th><th>ation  </th><th>4th operation</th><th>tion  </th><th>Sth operation</th><th>ation</th><th>6th operation</th><th>ation</th><th>7th operation</th><th>17 (14 hts</th></th<>	Durp No.         Solution No.1         Solution No.2	<ol> <li>Operation</li> </ol>	•	1st operation	ાભ્યુસ	- 2nd aper	2nd operation		ation	4th operation	tion	Sth operation	ation	6th operation	ation	7th operation	17 (14 hts
Information	Informer			1 %N	N. 2	Net	Na.2	Na.1	Nu.2	Na.1	Na.2	Nurl	N41.2	N <sup>th</sup> I	No.2	N.º.1	Na. 2
Number Skleption         Number Skleption         T <t< td=""><td>Staff         7<td></td><td>Lift down *1</td><td>(.l&lt;-1.l</td><td></td><td>•</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></t<>	Staff         7 <td></td> <td>Lift down *1</td> <td>(.l&lt;-1.l</td> <td></td> <td>•</td> <td></td>		Lift down *1	(.l<-1.l		•											
Sile, forme         Sile, forme         736         736         600	Sile remo         Sile remo <t< td=""><td></td><td>•</td><td>4</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>ł</td><td></td><td></td><td></td></t<>		•	4										ł			
India         7.48         0.00 <t< td=""><td>(100)         [101]         7.48         0.00         &lt;</td><td></td><td>Start time</td><td>7:15</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>A MARKEN AND A MARKEN AND A MARKEN</td><td>i i F</td></t<>	(100)         [101]         7.48         0.00         <		Start time	7:15												A MARKEN AND A MARKEN AND A MARKEN	i i F
Total rise:         0.33         0.00         0.90	Tedel Carrier         0-33         0-400	Sctup time	Find time	7:48								1			:		
International         13-9-14	Idle up. 4-         1         7 <th< td=""><td></td><td>Total time</td><td>0:33</td><td>0:(H)</td><td></td><td>0.1K)</td><td>0-00</td><td>0:00</td><td>0:00</td><td>0:00</td><td>0:00</td><td>0:00</td><td>0:00</td><td>0:00</td><td>0:00</td><td>0:00</td></th<>		Total time	0:33	0:(H)		0.1K)	0-00	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00
Neutrine Individue         7	Start         7         7         1 <td></td> <td>Lift up **</td> <td></td> <td></td> <td>P3.&gt;P1</td> <td>and the second second</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td>		Lift up **			P3.>P1	and the second second							-			
Starting	Starting         Starting         1045         1045         1045         1046		Stuff			-				•				11 M			
Polation	Modiline         000         00		Start time			16:45											
Induction:         000	Jist clans,         Find         Grin		Mad time		÷—-	17:15											
LR doment <sup>2</sup> T>VB         LR doment <sup>2</sup> T>VB         LB doment <sup>2</sup> <thlb dom<sup="">2         LB dom<sup>2</sup> <thlb< td=""><td>Lift denore         T-3 (k         <tht-3 (k<="" th=""> <tht-3 (k<="" th=""> <tht-3 (<="" td=""><td></td><td>Total time</td><td>0:00</td><td>÷</td><td>0:30</td><td>010</td><td></td><td>0:00</td><td>0:00</td><td>0:0</td><td>0-00</td><td>01020</td><td>0;00</td><td>0440</td><td>0;00</td><td>0.00</td></tht-3></tht-3></tht-3></td></thlb<></thlb>	Lift denore         T-3 (k         T-3 (k <tht-3 (k<="" th=""> <tht-3 (k<="" th=""> <tht-3 (<="" td=""><td></td><td>Total time</td><td>0:00</td><td>÷</td><td>0:30</td><td>010</td><td></td><td>0:00</td><td>0:00</td><td>0:0</td><td>0-00</td><td>01020</td><td>0;00</td><td>0440</td><td>0;00</td><td>0.00</td></tht-3></tht-3></tht-3>		Total time	0:00	÷	0:30	010		0:00	0:00	0:0	0-00	01020	0;00	0440	0;00	0.00
Number         7.3 yr         Number         7.3 yr         Number         9.0 r	Natr         7         0		Lift down <sup>a2</sup>					:									
Optime         Starting         7.29         Optime         7.29         Optime         6.00	Optime         Startise         7.4 m         0         0.0 m         0.0 m <th< td=""><td>5) Flonter</td><td>Null -</td><td>÷</td><td></td><td>and the second second</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>	5) Flonter	Null -	÷		and the second second											
Folding:         Reds         Gelo	Inditine         KIS         EPID         CPID	Setup time	Start time	6722					- - - - -								
Claid infere         0:16         0:10	trainer         0:16         0:00		Find time	X=05												)	
Informe         Reart         <	I.Aft up         4         R         7         R <thr< th="">         R</thr<>		l'otal time	0:16	00 <sup>:4</sup>	0-00	00:0	0:00	()-())	163:0	0:00		0:00	0:00	0:00	0:00	(H):()
Start	Start         Start time         Start time         17:15         17:16					K->T		and the second second				-				-	
Start time         17:15         17:16	Nat time         17:15         17:15         0:10         0:200         <		Nun			4											
Prod time         17:55         0:00         0:30         0:00     <	Inditime         Unditime		Ntart United			17:15											
Itaditine         0:00         0:40	Total time         0:40		Find time			17:55								-			;
Fipe fength         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         9.00	Pipe terreth         6.00         0:00	-	Total time		0;00	0:40	(N)-()	0:00	0-040	0:00	0:00	W0‡0.	00:0	0:00	0:00	()();()	();;()
Water         Start time         3:06         13:2.4	volart         Stant time         3:06         13:24         0:00	-	Pipe length	6.00		6.00											-
Prime         Food time         #:20         13:2X         0:00	p time     Rad time     8:20     13:28     0:00     0:00     0:00     0:00       Total time     0:14     0:00     0:01     0:00     0:00     0:00     0:00       Start time     8:21     0:100     0:00     0:00     0:00     0:00     0:00       Start time     8:21     13:29     0:00     0:00     0:00     0:00       Start time     8:21     13:29     0     0:00     0:00     0:00       Start time     8:21     13:29     0     0:00     0:00     0:00       Start time     8:21     0:10     0:00     0:00     0:00     0:00       Start time     8:21     0:10     0:00     0:00     0:00     0:00       Start time     6:55     0:0     0:00     0:00     0:00     0:00       Start time     6:55     0:0     0:00     0:00     0:00     0:00       Start time     6:55     0:0     0:0     0:0     0:0     0:0       Start time     6:55     0:0     0:0     0:0     0:0     0:0       Valve     10:0     19:0     0:0     0:0     0.0     0:0       Valve     1     0.0     0.0     0.0     0	6) Filling water	Start time	×:06		. 13:24								-			
Total time       0:14       0:00       0:01       0:00	Total time:       0:14       0:00 <td>Sutury time</td> <td>Find time-</td> <td>**20</td> <td></td> <td>13:2%</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>!</td> <td></td> <td></td> <td></td>	Sutury time	Find time-	**20		13:2%								!			
Start time     8.21     13.29     13.29     13.29       inu     7.04 time     9.20     11.12X     11.12X       fad time     9.20     11.12X     0.90     0.90     0.90     0.90       fad time     9.20     0.90     0.90     0.90     0.90     0.90       fad time     658.3     0.96     0.90     0.90     0.90     0.90       fixe     Nr start     658.3     676.3     0.90     0.90     0.90       fixe     Nr start     658.3     676.3     0.90     0.90     0.90       fixe     Nr start     658.3     676.6     0.90     0.90     0.90     0.90       fixe     Nr start     658.3     0.90     0.90     0.90     0.90     0.90       fixe     Nr start     0.90     19.7     0.9     0.9     0.9     0.9       Valve     Nalve     Nalve     Nalve     0.90     0.9     0.9     0.9       *1 Recorded provision (c provision (c provision (kample: F1-212)     1     0.9     0.9     0.9	Start time     \$2.21     [.3:29]     [.3:29]     [.3:29]     [.3:29]     [.3:29]       find time     9:20     0:59     0:59     0:60 <td></td> <td>l'etat time</td> <td>0:14</td> <td>0:00</td> <td>10:0</td> <td>0.00</td> <td>0:00</td> <td>0-00</td> <td>- (F):(H)</td> <td>- 0<sup>1</sup>00 -</td> <td>11;040</td> <td>()-{(K)</td> <td>00:0</td> <td>01:00</td> <td>0:00</td> <td>00-0</td>		l'etat time	0:14	0:00	10:0	0.00	0:00	0-00	- (F):(H)	- 0 <sup>1</sup> 00 -	11;040	()-{(K)	00:0	01:00	0:00	00-0
inue Field time 9:20 14:28 0:00 0:00 0:00 0:00 0:00 0:00 0:00 0	inv.       Field time       9:20       14:28       14:29	ł.	Start time	\$:21		13:29							•.				
Total time       0:59       0:60       0:90       0:10       0:10       0:10       0:60       0:60       0:60         tite       Nt start       656.3       0.76.3       0.76.3       0.76.4       0.76       0.760       0:60 <t< td=""><td>Total time:     0:59     0:90     0:10     0:10&lt;</td><td>Driven time</td><td>Find time</td><td>9:20</td><td></td><td>XZ:11</td><td></td><td></td><td></td><td></td><td>1</td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	Total time:     0:59     0:90     0:10     0:10<	Driven time	Find time	9:20		XZ:11					1						
itie Artant 658.3 re meter Ar ond 676.3 re meter Ar ond 676.3 Valve 18,0 0,0 19,7 0.0 0,0 0,0 0,0 0,0 0,0 0,0 10,0 10,0 1	ive Artant 658.3 (76.3) re-meter At cind 676.3 (696.0) Total time 18.0 0.0 19.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 Valve 18.0 0.0 19.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 10.0 1		Total time	0:59	0:00	65:0		0300	0-00	(M)\$()	();()()	(H)=()	0;60	0:00	02000		0:00
ce meter A cond Total time 18,0 0,0 19,7 0,0 0,0 0,0 0,0 19,0 Valve Valve	re meder - At chained - acteural	- ·		£.829	· · · · · · · · · · · · · · · · · · ·	676.3		ray all a strangent of the	1				· · · ·				
Valve article being and the second se	Valve ender the previous the state of the st	- universe more						4		2	9 4	4	- E -	0	00	+	0.6
			1.0444 0000								-						
		0) TANK	Valve		- -												
•1 Recurded punition to punition (Example : PT->12)	-1. Kecurded provision to provision ( Example : P1->12.)	10) Remark		· · · · · ·			a an an an a'		:								
			"I keewded p	માંદોમાં ઉપ્ત પ્રિય	otion ( Exam	ple : P1->12 )							-				

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\*) Recorded position to position ( Krample : T-2K Top of bunk to River, M-2K Middle of hould to River )

2 7th operation 0.0 No.1 | No.2 0.0 ů. 6th operation E E E 0.0 No.1 | No.2 0.0 5th operation ů H Ξ E No.2 000 0.0 No.1 Note: E, ΞŲ Ē 2nd operation 3rd operation 4th operation Overhaul and exchange O-ring, Gasket, V-ring, and others. No.2 0.0 Check of shaft sleeve and exchange of grand packing. No.1 0.0 Ξ <sup>o</sup> E 6 0.0 -----Check and exchange of mechanical-scals. No.1 No.2 <sup>1</sup>Check and adjustment of shafts center. Check of wearing at revolving part. Adjustment of leakage from joints. 5335.0 -----Exchange of oil for bearing shaft. 1 Adjustment of all the other parts. <sup>1</sup> Examination and exchange of oil. 1 <sup>11</sup> Check of vibration and noise. <sup>1</sup>Check of shafts temperature. Ē 8 ų a 0.0 No.1 No.2 Check of inside casing. 5184.8 14:28 1 30.0 5335.0 -06'1 ----0.10 13:29 100.0 1197.1 .... m 1196.9 33.0 23.0 3.5 £ Ξ Ξ ç 1st operation No.1 No.2 5184.8 01.0 1 5041.1 100.01 30.0 29.0 8.21 33.0 23.0 9:20 3.5 ЪЗ Cumulative New meter at start C)-11 Cumulative flow mater at end **Operation start time** c)-10 Operation end time b) Lower Tank [b)-1 [Water level at start c)-9 |Stuffing box Temp. River Water Level a)-2 Water Temp. b)-2 Water level at end Delivery Pressure Suction Pressure Monthly 6 Monthly Bearing Temp. ... 2. Years Ycarly ļ Ampere Voltage Remark Position 20125115 ł ý <del>ب</del> ن с; (-) -7 r; 걍 c) Lower Pump c)-5 1-(r: 5 c) Maintenance Date : (Stage-1) Chang Chhu

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**Civil Monitoring Sheet** 

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						•				CAL		Ach more	l nin	7th ororafion	dim.
Opuration		1st operation	ation .	2nd operation	ation	3th operation	ration	- Hth opera	-th operation	onerado nac	HOULE	TEMPE AND A MAD			
2) Pump No.		Na.I	Na.2	- Neal	Na.2	No.4	N4.2	N1	247	No.4	- 10N	Ne.1	N=2	Nu.1	Na.2
	I if's clanum n'	P1->12					-							1	
		×													
	Inte				T								-		
3) Slide pump	Start time	8											1		
Notup fame	1.nd tume	7:20													
	Total time	0:20	0.0	0:00	0:00	00-0	0:00	0:00	00:00	0:00	0:00	();{()	94	0:(M)	00:00
	1 360 10			12-21							:				
				<b> </b> ~											
	Nart time					-						-			-
	1 nd time			47:00				1						00-0	0-00
	Total time	0200	0:00	9:15	0440	0-04	0:00	0:00	0:0I	00:00	0:00	- 1050	10050		AND 822
	Lift Juwn	T->R													
5) Flonter	Stuff	•													
	Charles in the second	46.6						1 - 1 - 1 - 1 - 1 - 1 - 1							
Setup time		•													
	Find time	: ! 				- ALL ALL ALL ALL ALL ALL ALL ALL ALL AL					1	1	0.00	0-00	(N)-Q
	Total time		0:00	0:00	0:00	0-04	0.00	0:40	8040	0:00	0050	ann sa			
	1 Jft up			K->T	-		(								
:	Nun T			9		-									
	Stort time		.	17:05			-			÷.				:	
	Tind time			\$1:21											
		0.00	0:00	0:40	0400	00.00	994	0.00	0.0	0100	00:0	0050	0:00	0:00	0-00
	Pine length	6.00		6.00											
				T0-T1			. 								
6) Filling Water	Start time						1			:	:	:			
Sutup time	Find time	<b>X</b> 7.X		An:+1					the second	2		0490	0:00	0:00	00:00
	Total time	ST:0	0:06	<b>G0:0</b>	03(M)	14170	60056	Ļ							
5	Start time	8:26		14:10	-				· ····································		:	•			
Driven time	Endtime	9:24		15:08							::				
-	Total time	0.58	0:00	0:58	1 0:00	0.00	0:00	00:01	0:00	0:00	00-0	0:00	0-100	1H41-11	10111
8) Cumulative	AL MAR	0.494		9.415			·				,				
Ampere nicter	T. M. md	9711		1.32.4					_						
	Foral time	18.6	0.0	17.8		0.0	0.0	0'0	0.0	0'0	0.0	00	4) (J	9.6	0.0
ON TANK	Valve	орся .		Open											
		 		· ·											

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E 7th operation 0.0 No.2 0.0 No.1 Ξ Ξ ų 2 6th operation 00 No.2 00 Z. E Ξ E ុប 5th operation 00 No.2 0.0 r.oz Noic: 1 į 3rd operation 4th operation ç Ξ ā Ξ Overhaul and exchange O-ring, Gasket, V-ring, and others. 0.0 Z0.2 1 i i 1 Check of shaft sheeve-and exchange of grand packing. 100 No.1 Ξ ្ចុ Ξ, ã 0.0 Check and exchange of mechanical-seals. No.1 No.2 - Check and adjustment of shafts center. <sup>1</sup> Cheek of wearing at revolving part. 5620.6 Adjustment of leakage from joints. Exchange of oil for bearing shaft. ł Adjustment of all the other parts. | Examination and exchange of oil. Check of vibration and noise. +Check of shafts temperature. Ξ 2nd operation Ξ 0 Ξ 0.0 No.2 Check of inside casing. -15:08 \$620.6 77275 0,10 14:10 Z. m | 1196.9. = 61.0 100.0 32.0 30.0 33.0 22.0 22 4 V **P** Ξ 8 1st operation No.1 No.2 12478.4 1197.0 8:26 5335.01 0.10 +5--0'00t 32.0 33.0 # 2 22.0 30.0 9:24 2 Cumulative flaw moter at start c)-11 Cumulative them mater at end Operation start time c)-10 Operation end time Lower Tank (b)-1 Water level at start Stuffing box Temp. River Water Level b)-2 Water level at end Delivery Pressure Suction Pressure 6 Monthly Monthly Bearing Temp. 2 Years Ycarly Water Temp. Position Voltage Remark Ampere 7/26/95 c)-8-3)-2 ି କ କୁମ୍ବି କୁ C)-2 €-;)-3 10 <u>(</u>) Ŀ, c) Lower Pump c)-5 Ĵ <del>ار</del> c) Maintenance Date :: (Starc-1) Chang Chhu 2 ŝ

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**Civil Monitoring Sheet** 

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- Cheveral fam		1st operation	ution	2nd oper	ration	<b>3th operation</b>	ation	4th operation	1690	Sth operation	801	111111111111111111111111111111111111111	1		
and the last			•	No.1	<b>1</b> 20	1.4X	No.2	No.1	4 "Z	1 W.	No.2	Nel	Na.Z	Na.1	Na.2
Pump No.		1911													
-	LJft dawn - Stuff	5													
		00-17													
() Nide pump															
Setup time	End time	0:00												0-00	0.00
	Total time	0-00	00:0	00:0	00:0	0:00	0:00	0:00	104	0:00	IMED	201-01			
	7			Id											
	dn yr 1				-				ſ		-				
	Staff			•				-	Ť						
	Start time			60:0						· · · · · · · · · · · · · · · · · · ·					
				010				•							
	T. dal line.	(N)-0	00:0	-16:4	0450	000	0:00	0.00	00:0	0:00	04040	0-00-	0:00	0050	0:00
														1	
	Lift down	¥~-1					- - - - -								
5) Floater	Staff	•													
Setup time	Start time	7:15		``````````````````````````````````````											:
1.1.1	Find time	7:37							<ul> <li>1</li> </ul>				5		41-610
•	Total tine	0:22	0:00	0:00	0-100	0:00	0:00	0:00	0:00	0:00	0:00	01200	14150		
	i ift up			R>T						-	·				
	Nei N			9	ware of the second										
	Start time			17:00		: -									
	Tend time			17:58											
	Total time	(K) <sup>2</sup> 0	00:0	0.58	0:00	0:08	(M)-0	01-0	0:00	0-0	00:0	0:00	0-100	00:00	-005-00-
	Thre length	6.00		6,040											:
6) Filling water	Start time	7:38		N2:E1		· · · · · · · · · · · · · · · · · · ·			• •	:	:				
Setup time	l'ind time	8:00		14:01	; ; ;	•			-						
	Total time	0:22	0:00	0:03	0:00	0.00	0:00	00	0-01	00:0		0010			
7)	Start time	81:8		£0371	tan of star that side, "and," a 20%									:	
Driven time	Find time	11:6		15:04	-									uu-e	97-1
	Total time	954	00:00	1:01	0.08	0.00	0.00	06:00	0:00	0:tkl	112	0050	441544		
X) Cumulative	. M start	732.4		750.5											
Annere nuclei	r. Mend	750.5	,	770.6											
		1.X1	0.0	20.1	0.0	0.0	0'0	0.0	0.0	0'0	6.0				
a) TANK	'Valve	Open		Open											
10) Kumark															

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E 8 7th operation 00 No.1 No.2 0.0 Ξ ç Ξ Ξ 6th operation Errer-1 Include air in suction hose. 0.0 N0.2 0.0 No.1 . Errer-2 Electric errer Errer-3 Electric errer Errer-4 Electric errer Ξ ç 'n ē 5th operation -0.0 Z 9 Z 0.0 Zoic r oz ł Ì ŝ a Ξ B 4th operation Overhaul and exchange O-ring. Gasket, V-ring, and others. 0.0 No.2 1) Check of shaft sleeve and exchange of grand packing. 0.0 No.1 Ξ ų ā 111 1st operation | 2nd operation | 3rd operation <sup>1</sup> Check and exchange of mechanical-seafs. 0.0 No.1 | No.2 Check and adjustment of shafts center. Check of wearing at revolving part. 1.1 Adjustment of leakage from joints. 101 E-Adjustment of all the other parts. 5912.0 Exchange of oil for bearing shaft. Examination and exchange of oil. Check of vibration and noise. Check of shafts temperature. E ų . Ξ Ξ 0.0 1 Check of inside casing. No.2 5912.0 15:04 14:03 - 15 0.10 5766.5 m 1196.8 ŝ 32.0 Zer 21.0 0.45 100.00 30.0 đ S.I ç Ξ Ę No.2 5766.3 No.1 1197.0 5 0.10 1.90 818 5620.6 34.0 01001 30.0 29.0 ): L 21.0 5.1 d. Cumulative flow meter at start c)-11 Cumulative flow mater at end Operation start time c)-10 Operation end time Stuffing box Temp. b) Lower Tank |b)-1 Water level at start Water level at end Delivery Pressure River Water Level Suction Pressure 6 Monthly Monthly Bearing Temp. Ycarly **2 Years** Water Temp. Voltage Position Remark Ampere 2017211 S. c-() -i-j î Ĵ C-{℃ 1-(n ų Ç 87 (J b)-2 2-(n c) Lower Pump c)-5 c) Maintenance Date : (Stage-1) Chang Chhu ନ

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**Operation Monitoring Sheet** 

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		Sheet
:		Wonitoring
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1/2/1				and the first of the		3th crownation	tion	the operation	tion	Sth operation	tion	6th operation	tion	7th operation	ition
1) (peration			- Long	Zigu operation					•		C.a.N	Na.1	No.1	Ne.1	Ne.2
2) Pump No.		I.o.V.	n Na2	Na.1	No.2	Na.1	242	247	740	14444	110-1				
	1 Jft down	E1~14													
	Staff	s						•							
1) Slide mon	Start time	444				-									
		26.7													
Setup time			0-00	0100	00:0	uo:0,	00:0	0110	0-()()	0.00	0:00	0:(94)	0;00	0:00	90 <del>1</del>
	1 0001		Τ	14-14											
	Lift up **						+-	F						-	
	<b>1</b>			2				-							
	Start line	L		17:56											
	Find time			18:15											
	Total time	0010	0:00	0:19	0500	0:00	•		(N)50	0:00	0;(M)	0-04	90:0	0;0	0-00
	Lift down*3	X<-1							-+			-1-			T
C. Element	5.17	v.						- · · · ·							
1)) (. 10anu											_				
Setup time	Start time														
	Pad time													W.U	UN-D
	Total time	2.11	0200	0-00	0020	0050	0:00	0010	0010	00;0	0:00	14121)	141513		
	1 ire un			K>1		-									
	2			c											
				5.5											
	Start Sime				· · · · · · · · · · · · · · · · · · ·							•			
	Find time			17:56							0-04	0-0	0:00	00:0	0:00
	Total time	0-00	0.00	3 0	0.00	0.00	0:00	- 00050 ·	11121	antin .	10010				
-	The length	00'1	• •	- 00'F											
(6) Filling water	Start time	X1+: L		0:00											
Setup time	15nd time	8:25	: .	0:00			la strategie en	. :	-			· .		uai-o	04.0
	l'otal time	0:37	0140	0.00	0:00	0:00	0-00	0:01	0:00	00:0	0:00	111213	nn 10		
1	Start time	8118		\$1:+1											
Driven time	End time	9:17												UT D	0.00
	Total time	0:40	-0100-	- 8510	0-00		0:00	0:00	0:00	000	0:00	0:00	1111		
x) cumulative	Meren.	770.6		7.887				-			·.	۰.			
Ampere onde	Amount anter A und	7.XX7		KIK,X										3 4	00
	Total time	1%1	0.0	13.1	0'0	010	0.0	•		0.0	0 0	0			
on TANK	Valve	Open		()pen											
turi ti curi					•			1	:						
		onviction for Do	1. Remember considers to Privition ( Example : P1->P)	nk : ['1->1'2											

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Recorded powerbon to position ( Example : PL->P2 )

\*2 Recurded pudition to provision ( Example : P4->P3 )

\*3 Recorded protition ( Fantuple : T. 28, Top of bunk to Kivee, M.28. Middle of bank to River)

\*1. Dammed nucline to position ( Example : R.ST River to Tup of hook, R.ST River to Middle of bank.)

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Date :	7/28/95								ľ
		1 st oncration	2nd operation	3rd operation	4th operation	5th operation	6th operation	/th operation	rauon
		No.1 No.2	No.1 No.2	No.1 No.2	No.1 No.2	No.1 No.2	No.1 No.2	No.1	N0.2
	r						·	•	10
a) Chang	a)-1 River Water Level	i							
Chhu	a)-2 Water Temp.	15 - °c	15 - °c	- -	-	•	•		
the Tanker Tank		u 010	0.10 - m	<b>B</b>	8	<b>B</b>			Ē
		m - 190		•	8	а •	8		Ē
(1-offere)			P3			<b>_</b> _			1
			1.15	· · ·			-		
		01.0		Z 101 0 0 0	00 00	0.0 0.0	0.0 0.0	0.0	0.0
	C)-3 Cumulative flow meter at start	5912.0	+						ACC IN
	c)-4 Suction Pressure	3.5	3.5						- - -
c) Lower Pump c)-5		23.0	23.0	:				•	
	1	34.0	34.0						<b>д. зараж</b>     
	1	400.0	100.00						
ala:Ch		30.0	30.0						-
	c)-9 Stuffing box Temp.	29.0	~ 29.0						
	CLTO Descrition and time	9.17	15:13						   
		T 6509	6194.9						Ī
						-			
9	Kemark					Noto:			
		Adjustm	L! Adjustment of leakage from joints.	m joints.		Noic			
	Monthly	C Examina	C Examination and exchange of oil.	t of oil.		Errer-1 Include a	Errer-1 Include air in suction nose.		#76: 346.20
		TI Check of	[] Check of shafts temperature.	2		Errer-2 Electric errer	Fror		8,4° 45° 1
	6 Monthly	Check at	Check and adjustment of shafts center	shafts center.	·	Errer-3 Electric errer	:rrer-		
	•	Check of	C) Check of vibration and noise.	ise.		Errer-4 Electric crrer	crrcr		<b>, , , , , , , , , , , , , , , , , , , </b>
c) Maintenance		1 Check of	11 Check of shaft sleeve and exchange of grand packing.	exchange of grand	l packing.				
	Yearly	1 i Check a	i Check and exchange of mechanical-scals.	schanical-scals.					<b>\$</b> .74 67.57
: - -	•	Exchange	Exchange of oil for bearing shaft.	g shaft.					
		1 Overhau	Overhauf and exchange O-ring, Casket, V-ring, and others.	-ring, Gasket, V-1	ring, and others.				y an far tir
	2 Years	Check 0	Check of wearing at revolving part.	ving part.		-			
		1.1 Check 0	1.1 Check of inside casing.						
		an and Adjustin	justment of all the other parts.	r parts.					

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Civil Monitoring Sheet 10.000

Ibute -	26/62/1	and the second se											-		
		and a second		Zod oneration	ation	<b>3th operation</b>	ation	4th operation	tion	5th operation	tion	6th operation	tion	/III oberation	
(1) Operation		I Adapted			6 m 0	Nat	No.2	No.1	No.2	Na.1	Nu.2	No.1	Na.2		r, z Z
2) Pump No.	-	Ne.1	797								:				40 ¥
	1. uwop JJr I	1-12													
	Nun't	e													29 (A)
(1) Slide pump	Start tinuc	7.60						-							<u>ска</u>
Seturn time	I'nd time	7:24	:												
	Total time	0:20	(H)-0	90:0	0:00	0;04	0:00	0:00	0:00	90:0	0:00	DN15()	MED	-	
				142.04											
	2										:				
	New.			5											
	Start time			15:25										-	-
فر سور او	It and tome			15:35		· • •						•			
	Total time	0.00	<b>6</b>	0140	0070	0:00	0:00	(H)=0	0200	0100	0:00	0:00	0:00	(H):	MICO
	•														
	1. Afte down "	¥													
<ol> <li>Flooter</li> </ol>	Newer	•			-		;								
	Struet Linter	7:20													
Sound I made							:		,						
	1:nd time	7:35								A DO	0-00	0020	0:00	0-01	0-560
	Total time	0:15	000	00-00	0110	0:00	89:00		64-5-5-	111.1				-	
				R.>T		-									
:				~				:							
	202011			16.00										:	
	Start Lime														
	Find time			15.25						0.00	0.00	0-145	00:0	00-00	00:0
	Total time	0:0H	0;00	0:25	- (N-0	0.00	0-00	0.00	1112-11	1.1.1					
	Pine length	4.00		007											
ko Eiline water	Start time	7:37		67-61		-							· .		
	Hind time	7.5		13:51											
	Lotal time	×1:0	0.00	20:0	0:00	010	0.00	00-0	0700	0:00	0:00				
. 12	Start time	7:56		13:51							۔ ، : ب		:		
	1 million	9;×		14:49											10.0
	Total time	15:0	0110	0:57	0000	(101-0)	0:00	0:00	0:00	0050	0:01	9950	0051		
	N dist	8.6.8		ry the		,				i					
(a) ( unwinder of		24.1		X43.0		· · · · ·	·				-				
		2	00	17.2	0,0	0.0	× 0.0 ·	- 0'0-		0'0	0'0		-		<b>N</b>
	Total time	14													
NNV-1 (6	Valve	- Open		oben					-				-		
10) Rumark															
	et Rammind	nexitien to P	et Documeted novition to position ( Example : P1.>P2.)	nple : P1->P2	2		:	•							
			A PACE A	PIC-LU						.:					
	*2 Recorded	position to p	NACT J ROUMAN	the states	A MARK A MARK A										

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\*3 Recorded position to position ( Example : T'>R Top of bank (0 River, M->R Middle of bank to River )

\*2 Recorded position to position ( Example : P4->P3 )

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		·   ·	1st op	1st operation	2nd op	2nd operation	3rd op	3rd operation	4th o	4th operation	Sth.o	5th operation	6th 0	6th operation	-	7th operation
			No.1	No.2	No.1	N0.2	No.1	No.2	No.1	No.2	7.0X	No.2-	No.1	N0.2	- Z	
a) Chang	a)-1 River	River Water Level	1196.9		1196.0	E		E .			-	•	•	• •	, 	
	a)-2 Water	Water Temp.	15	- "C	15	ູນ ເ		°.	-	ړ. ۲		ָ -	, 	- °c	-	
b) Lower Tank [b]-1		Water level at start	0.10	<b></b>	0.10	E		- 10		<b>u</b>		e .	-			
(Stare-1)	•	Water level at end	1.90	. m	1.90	- m		й -	:	E ,		=		Е -	-	
	c)-1 Position c)-2 Operation	Position Operation start time	P2 7.56		P2 13:52					4 104 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						
		Cumulative flow moter at start	6 1619	* = 1 - 14	6339.2	0.0	6477.3	0.0	0.0	0.0	0.0	0 0	0'0	0.0	0.0	L
	c)-4 Suctio	Suction Pressure	4 V		4.5						1					: 
c) Lower Pump c)-5		Delivery Pressure	22.0	•	-22.0			- 1			;	:				
	c)-6 Ampere	21	0.45		35.0						-		:	:		
	c)-7 Voltage	25	0.001		100.0								;	-		
	c)-8 Beari	Bearing Temp.	30.0		36.0	•										
	1	Stuffing box Temp.	29.0		30.0					-						
	c)-10 Oper	c)-10 Operation end time	8:50.1		67:41	:										
	C-11 Comu	c)-11 (Canadative flaw nuter at end	6339.2		6477.3											
(P	Remark	1.1. X		:												
				1.1 Adjustment of leakage-from joints.	nt of lea	kage-fron	i joints.				Note:					
		Monthly		Examination and exchange of oil.	tion and	exchange	of oil.				Errer-	Errer-1 Include air in suction hose.	ur in suc	tion hose.		
		•		Check of shafts temperature.	shafts to	mperatur	J				Errer-	Errer-2 Electric errer	crrcr			
-		6 Monthly	· [] ·	I Check and adjustment of shafts center.	nulpe p	ment of a	hafts cei	nter.			Errer-	Errer-3 Electric errer	crtcr			
· · · · · · · · · · · · · · · · · · ·		•	-	Check of vibration and noise.	vibratio	n and noi	2				Errer-	Errer-4 Electric errer	crer			
c) Maintenance		• •		Check of shaft steeve and exchange of grand packing	shaft sle	eve and c	xchange	: of grand	l packin	.1						
		Yearly		Check and exchange of mechanical-scals.	id exchai	am.jo.añu	chanical	l-scals.								
				Exchange of oil for bearing shaft.	e of oil fe	or bearing	shaft.						•			
			-	Overhaul and exchange O-ring, Gasket, V-ring, and others.	and exc	hange O-	ring, Ga	asket. V-r	ing, anc	others.	!					
:		2 Years	-	Check of	wearing	Check of wearing at revolving part.	іпу раг		;							
		•		Check of inside casing. Adjustment of all the o	inside e	Check of inside casing. Adjustment of all the other parts.	narts	 1				•				

**Operation Monitoring Sheet** 

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**Civil Monitoring Sheet** 

<ol> <li>Charation</li> <li>Pump No.</li> <li>L</li> </ol>		fut appendicts	dian.	Zaid oper	with the second	3th operation	tiun	HORELAGO DIT				N 1 - N	Nn.2	No.1	Nue.2
Pump No.				-						-		1.01			
Pump No.				1 12	. No.2	Nul	No.2	No.1	Na.2				┢		
			702												
	I JI'e down	P1->P3													
<u>y.</u>	÷	9				-{-	†   								
1) Stide numb	Stort time	01-:6											     		•
: 2	Find time	ł	1		4			0.00	(M)=0	0-110	0:00	0:00	049-0	00:0	0.00
	Total terric	0.15	0:00	0.00	0:00	001-0		aunto							
1.5	I Ife un *2			P3->P1											
- [ _				.9											
-1-				15:42			<b>-</b> -					· · · · · · · · · · · · · · · · · · ·			
	Start tink:			15.56										0:00	010
	Find time	08.0	10-41	0:24		0450	00-0	0:00	9100	0:00	0050	00:0			
						;									
- <b>-</b> 4	Life down*	Ň													
5) Floater	Stuff	و											-		
ap time	Start time	9:3N	-				-								
	1:nd tine	10:12			<u>k</u>				00:0	00.0	00:0	0:00	0:00	0:00	00:0
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				R->T			-								
				9											
-				16:02							-		•	:	
	Nart time			, , , , , , , , , , , , , , , , , , ,										10.0	00-0
	End time			10.77	00:0	0.0	0.00	04040	0:00	0:0	00:0	9:0	0-104	222	
	Total time	141:0									-				
	Pipe length	2.00		9 <sup>(8)</sup>											
6) Filling water	Start lime	10:13										-			
Setup time	1-ma time	 	-					U	0-00	(1)2(M)	10:0	01-00	01:0	0:00	0:00
	Total time	0:17	0:00	0.00	0020	10-0			-						
1	Start Links	10:38	1			and the second s				:					.   
Priven time	Pind time	11:31	-						19.0	0:0	0:00	0:00	00 <sup>2</sup> 0	9:09	910
i La	'l'otal time	- 95:0	00-0	0:00	4050	9:00	10:0		_  -				 		
X1 ('uniulative	A start	843.0	: : : :	X41.1		· · · · · ·				: .					
Ammeric mudicf		1.10%							du .	0.0	41.4	0.0	0.0	# #	<b>0</b>
	Total time	1.8.1	0.0		0'0	0.0	5								
TANK I	Valve	Open	 	Open		 									
tov Remack				Rainv											
	halmond 14	at Dominal multing to position ( Example : PU->P2 )	wition ( Exa	uple : 11->1	2)						•				

Sceneded position to position ( Example : T->K Top of bank to River, M->K Nishtle of bank to River )
 2. Downded position to position ( Example : K->T River to Top of bank, R->T River to Middle of bank.)

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8 . E E 7th operation 00 Z0.2 0.0 No.1 E n ĉ m 6th operation 0.0 No.2 0.0 No.1 , v Ξ Ξ Sth operation Ξ 0.0 No.2 0.0 No.1 No(c: 2 .0 E E 4th operation Overhaul and exchange O-ring, Gasket, V-ring, and others, 0.0 No.1 No.2 . Check of shaft sleeve and exchange of grand packing. 0.0 - 10 Ð ů, 8 **3rd operation** 0.0 No.2 Check and exchange of mechanical-scals. -! Check and adjustment of shafts center. 1.1 Check of wearing at revolving part. No.1 0.0 1.1 Adjustment of leakage from joints. Exchange of oil for bearing shaft. Adjustment of all the other parts. 1 Examination and exchange of oil. Check of vibration and noise. Check of shafts temperature. Ξ ļ, m. ē 2nd operation 4 0.0 No.2 "Check of inside casing. . 6615.5 No Rainv Ξ ç Ξ æ 1st operation No.1. No.2 1 1197.5 6615.5 10:38 396.0 30.0 11:31 6477.3 32.0 --35.0 0.10 1.90 24.0 0.5 2 ñ Cumulative Row noter at start Cumulative flow mater at end **Operation start time** c)-10 Operation end time Water level at start Stuffing box Temp. River Water Level Water level at end Delivery Pressure Suction Pressure 6 Monthly Monthly Bearing Temp. **2 Years** Ycarly Water Temp. Ampere Remark Position Voltage 8/1/95 0-11 €-() €-Sŝ 7 ч J ¥)-2 b). Lower Tank b)-1 0)-7 5 5 c) Lower Pump c)-5 --c) Maintenance Date : (Stage-1) Chang Chhu Â 9

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Civil Monitoring Sheet

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I Aft down *1     [1st toperation]       I Aft down *1     F1->F1-3       Starft     6       Starft     6       Start time     8:23       Start time     8:23       Start time     8:23       Start time     8:23       Start time     6       Start time     0:13       Usat time     0:13       Start time     0:14       Start time     0:15       Start time     0:10       Start time     8:24       Start time     8:59       Start time     0:20       Start time     0:28       Start time     0:20       Start time     0:00			3(i) operation Nu.t Nu.2 0:00 0:00 0:00 0:00 0:00 0:00	4th operation No.1 N No.1 N No.1 N 0:00 0 0:00 0 0:00 0 0:00 0	0:00 0:00 0:00 0:00 0:00 0:00 0:00 0:0	Sth opset atom         Sth opset atom           No.1         N           No.1         N           No.1         N           0:00         0           0:00         0           0:00         0	Na.2 ():00 ():00 ():00	6 (6 (1 ( ) ) ) ) ) (6 (1 ( ) ) ) ) (6 (1 ( ) ) ) ) (7 ( ) ) ) (7 ( ) ) ) (7 ( ) ) ) (7 ( ) ) ) (7 ( ) ) ) (7 ( ) ) ) (7 ( ) ) ) (7 ( ) ) ) (7 ( ) ) ) (7 ( ) ) ) (7 ( ) ) ) (7 ( ) ) ) (7 ( ) ) ) (7 ( ) ) ) (7 ( ) ) ) (7 ( ) ) ) )	0:00 0:00	V.0.1 1 N.0.1 0:00 0:00 0:00	Na.2 0:00 0:04
Na.1     Na.1     Na.2       1 Jefe dowent all     P1->F1.3     0:00       Starf     6     5       Starf     0:10     0:10       1 Jeft upp     all     0:15       Starf     0:10     0:10       1 Jeft upp     all     0:10       Starf     5     6       Starf     5     6       Starf     6     7       Starf     6     6			Ne.2 0:00 0:00			Na.1 0:00 0:00 0:00	No.2 0:00 0:00 0:00			60) 1,000	
1 Jefe downer     P1->F1       Start time     6       Start time     8:23       Start time     9:240       Start time     0:13       Total time     0:13       Start time     0:13       Start time     0:14       Start time     0:13       Start time     0:13       Start time     0:14       Start time     0:14       Start time     12:14       Start time     12:14       Start time     0:23       Start time     0:24       Start time     0:20			00:00			0:00	();()() ();()() ();()() ();()() ();()() ()()() ()()()()	<b>9</b>			
Starf 6 Starf 6 Starf fine 8:10 1-ad time 8:13 0:00 1-ad time 8:13 0:00 1-ad time 0:13 0:00 1-ad time 8:19 1-ad time 8:19 1-ad time 8:19 1-ad time 8:19 1-ad time 8:19 1-ad time 8:19 1-ad time 0:28 1-ad			0;00			0:00	();()() ();()() ();()() ();()() ()()() ()()()()	500 100		0001	
Start time     8::10       Find time     8::23       Total time     8::23       Total time     0::10       Taff up     *3       Starf     0::00       Starf     0::00       Starf     0::00       Starf     0::00       Starf     0::00       Starf     0::00       Starf     6       Starf </td <td></td> <td></td> <td>00;0 (00;0</td> <td></td> <td></td> <td>0:00 (00:0)</td> <td>();() ();() ();() ();() ();() ();() ();() ();() ();() ();() ();() ();() ();() ();() ();() ();() ();() ();())()) ();())()()) ();())()())()())()())()())()())()())()()())()(</td> <td>99. 91.</td> <td></td> <td></td> <td></td>			00;0 (00;0			0:00 (00:0)	();() ();() ();() ();() ();() ();() ();() ();() ();() ();() ();() ();() ();() ();() ();() ();() ();() ();())()) ();())()()) ();())()())()())()())()())()())()())()()())()(	99. 91.			
rec Find times 8.23 0:40 Taff up *2 0:40 Laft up *2 0:40 Skaff Skaff Skaff Skaff Skaff Skaff Skaff 5 Skaff Skaff 6 Skaff 6 Skaff 8 Skaff 8 Skaff 9 Skaff 9			00;00 00;00			0:00 (1:00 (1:00)	( <del>1</del> ):(1) (1):(1):(1):(1):(1):(1):(1):(1):(1):(1):	<u>9</u>			
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1.4ft up     -2       1.4ft up     -2       Start time     -0:00       Vasiff     6       Start time     -1'->R       Vasiff     6       Nastff     6       Starff     8:59       Pline time     0:28       Starff     8:60       Pind time     0:00       Pine teneeth     2:00       Piste teneeth     2:00			000			00:0		6:10		000	90 <sup>-</sup> 0
Lafe up Neart Find time Prime 1 Jafe down ************************************			000			00:0	9:00	0:00		095-0	0:04
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l'ind tanu I'vant finue 0:000 9:00 I Jafe down ** 1'->R Starf 6 Starf 6 Finue 8:59 Finue 8:59 Find time 8:59 Lafe up ** Starf 8:50 Lafe up ** Starf 1:me 0:00 Lafe up ** Starf 1:me 0:00			0:00 01(0)			4:00 (1:00	0.00	0:0		0920	0:00
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1 Jet denvise <sup>10</sup> 1->K       Start     6       Start     6       Start time     8:59       Find time     8:59       Educt time     0:23       Lift up     -4       Start time     0:23       Start time     0:00       Find time     0:00       Start time     0:00       Pipe length     2.00						(10:1)	00-V				0-04
Starf 6 Starf time 8:59 Frind time 8:59 Utilitene 9:28 Utilitene 0:28 Starf Starf Starf time 0:00 Utipe length 0:00						(150)	00-V				0.04
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0) TANK Valve Open	· · Open · ·		and the second				- - -	-			

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•2 Recorded position to position ( Kxataple : F4->P3.) •3 Recorded position (e position ( Xxataple : T->K Top of bank to River, M->R Middle of bank to River.)

at Recorded contion to contion ( Exanicle ; R.-7' River to Top of buck, R.-5' River to Middle of bank )

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Date : 8/2/95

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				-	1 St operation		200 0001 2000	ora op	ora operation	0 E14	4th operation		operation	o uno	ous operation	5	/un operation
				No.1	No.2	No.1	No.2	No.1	No.2	No.1	No.2	No.1	No.2	No.1	-No.2	No.1	No.2
<u> </u>	Chang		River Water Level	1197.5	m - 2	0.7911	- m		E S	:	<b>m</b> -			•	w -	•	
-	Chhu	<b>a)-</b> 2	Water Temp.	15	<b>°</b>	16		· · · · · ·	. °c	•	c c		- °c		- "c	•	- *c
<u> </u>	b) Lower Tank [b)-1	-1-(4	Water level at start	010	<b>w</b> -	01.0	<b>.</b>		- w		w -		- m		- m		£
	(Stage-1)	h)-2	1	1.90		-1.90	- m		- m		m .		- m		- m		- m
			Position	P3		٤d د											
		c)-2	Operation start time	6 18		15:35		1 • •						; ; ;			
		c)-3	Cumulative fluw meter at start	66155	5	6753.5	0.0	6891.4	0.0	0.0	0.0	0.0	0.0	0.0	0'0	0,0	0'0
		7	Suction Pressure	3.0		3.0											
<u>ି</u> ତ	Lower Pump c)-5	p C)-S	Delivery Pressure	24.0		24.0				••• •							
		5	7	35.0		35.0			F - -				 : •	• • •		, 	
		c)-7	Voltage	100.0		0.00+		-	-							; 	
			Bearing Temp.	30.0		36.0						   					
		ŝ	Stuffing box Temp.	30.0		29.0		1					:	!			·
		c)-10	1	10:16	5	16:29											
		H-()	C)-11 Cumulative flow mater at end	6753.5		6%91.4					1						
5			Remark		and a second second second								•				
				i	1] Adjustment of leakage from joints.	nt of leal	cage from	i joints.				Note:					
		<u> </u>	Monthly		[] Examination and exchange of oil.	ion and e	exchange	of oil.									
					Check of shafts temperature.	shafts ter	mperature	J					•				
		!	6 Monthly		Check and adjustment of shafts center.	d adjuste	nent of sl	hafts con	iter.								
			•	; 	Check of vibration and noise.	vibratio	and nois										
হ	Maintenance	2			1 Check of shaft siceve and exchange of grand packing.	shaft sice	eve and ex	change	of grand	packing							
			Ycariy		Check and exchange of mechanical-scals.	d exchan	ge of mee	hanical-	scals.			•					
					1.1 Exchange of oil for bearing shaft.	of oil fo	r bearing	shaft.	•		- 54						
			•		[1] Overhaul and exchange O-ring, Gasket, V-ring, and others.	and excl	ange O-r	cing, Gar	sket. V-ri	ng, and	others.						
			2 Years		1 Check of wearing at revolving part.	weitring	at revolvi	חב מת.		-	:		-				
				:	14 Check of inside casing. 14 Adjustment of all the or	inside ca nt of all	k of inside casing. stment of all the other parts.	parts,									
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				,													

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**Civil Monitoring Sheet** 

	1/4/12	0.000							;			ſ		ļ		
Duplicity         Nucl.	) Operation		1st oper-	ation	2nd oper	ation -	3th oper	attori	-101-0 per	ation	Sth oper-	ation.	fill oper	ation	TCh oper	ation
Iddemted         F1-2E         Iddemted			Nu f	Na.2	- No Lond	Ne.2	No.1	N2	Nal	Na.2	No.1	Na.2	Na.1	Za.2	Na.t	Na.2
North         6         1 <td></td> <td>Lift down *'</td> <td></td> <td></td> <td></td> <td>:</td> <td></td>		Lift down *'				:										
Wetting $(10)$	:	Staff														
Plane         End failes         734         Des         Des <t< td=""><td>) Slide pump</td><td>Start time</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	) Slide pump	Start time														
Indivinue         eite         eine	Setup time	End time	7=1%				-						(			
		Total time	0:15	0:00	0:00	0:00	0:00	940-0		. 00:0	0:00	(H) <sup>‡</sup> ()	0:00	0:00	0:00	0:0
Burt         6         1         6         1         6         1		Lift up **			- Id~~21											
Statistic         13.06         13.26         0.00						•••••			-							
Fadires         172b		Start time			20-21											
Foalisie         0900         0910         0915         0915         0910		Find time			17:20											
Introduced         T-3R         Introduced         T-3R         Introduced         T-3R         Introduced         <		Total time	0:00	0-00	0:15	0:00	0,040	0:00	0-00	0:00	0:00	0:00	0:00	0:00	0-00	040
Number         6         1 <td></td> <td>Lift down*3</td> <td>.×</td> <td></td> <td>5</td> <td></td>		Lift down*3	.×		5											
Supplicity         Supplicity         7.3.4         0.0         0.0         0.00	) Floater	Stuff	. 9		2000 - DO											
Fod time         7.3.4         0.000	Setup time	Start time	2:19							·				:		•
Idd time         0:15         0:00	•	Tind time	7.34	<u> </u>												
Iff up         R.>T         R.>T         R.>T         R.>T         R.>T         R.>T         R.>T         R.>T         R.         R.<		Fotal time	0:15	<u> </u>	83	930	0:00	0:00	0:00	(N):{(	0:00	0:00	0:00	0:00	0:00	040-02
NatT         6         6         9         6         9         9         9         9           Starting         2         1721         2         1721         2         0         9         9         9         9         9         9           Starting         0         0         0         0         9 <td></td> <td></td> <td>:</td> <td></td> <td>R.&gt;T</td> <td></td>			:		R.>T											
		Nutr		· .				-							:	
Jand time         17-45         17-46         10-10         0-100		Start time			17:21											× ; ;
Total time         0:500         0:33         0:10         0:500         0:60		Find time			17:45					-					:	
Fiber length         X.00         X.00         X.00         X.00         X.00         Y.00		Total tinu:	0×10	0:00	0:24	0,00	00	H		0:00	(M)54)	()<)=()	(M) <sup>2</sup> 0	0:00	0:00	:
(illing yater       Start time       7-42       0:00		Pipe length	00'X		8.00											
Nature time         #:17         0:00	Filling water	Start time	7:42		00:0											
Total time         0:55         0:01         0:10         0:10         0:00	Setup time	Find time.	8:17		0:0	_					-					
Start time:         8:22         13:45         13:45         13:45         13:45         13:45         13:45         13:45         14:39	· ·	Fotal time	0:15	0:00	0-00	0:00	0.00	0:00	HQ:11	0:00	0:00	4540	0:00	0:00	0:00	0050
Dyvice time       9:16       14.39       14.39       0:101       0:141       0:101       0:100       1:11		Start time			13:45											
Fotal time         0:54         0:010         0:100	Driven time	Find time			14:39		-									
Cumulative         W start         W96.4         913.9         913.9           Ampere meter         Nt end         913.9         0.01         0.0 <t< td=""><td></td><td>fotal time</td><td>0:54</td><td></td><td>0:54</td><td>0:00</td><td>0:09</td><td>0100</td><td>00540</td><td>0,500</td><td>0010</td><td>0400</td><td>0:00</td><td>0:00</td><td>6;00</td><td>0020</td></t<>		fotal time	0:54		0:54	0:00	0:09	0100	00540	0,500	0010	0400	0:00	0:00	6;00	0020
Ampere meter         Nt end         91.3         931.7         0.0         931.7         0.0         91.4           Total time         17.5         0.0         17.8         0.0         0.1         0.0	С.	Vi tari			913.9				· .	-			~~~~			
TANK         Total time         17.5         0.0         (7.8)         0.0	Ampere meter	r	913.9		931.7										-	:
TANK Deva (Valve Open )		Lotal time	17.5	0'0	K,73	0.0	0'0	0.0	0.0	0.0	0.0	0.0	0.0	0'0	- 1	
		Valve	nod() "	·	Open		7									
	0) Remark					•						•				

•1 Recorded position to position ( Example : 1.1-212.)

22 Recorded position to position (Example : P4->P3 )

+3 Recorded pusition to position ( Example : T.-N.Tap of bank to River, M.-N. Middle of hunk to River )

"4 Recorded produlin to pusition ( Example : R. 21 Niver to Top of hunk, R. 24 Niver to Middle of hunk )

æ E ្ 7th operation 0.0 No.2 0.0 No. 1 E 8 <sup>o</sup> 5 6th operation 0.0 Z.02 0'0 No. 1 ŝ 1 ុប Ξ. 8 4th operation 5th operation Ξ 0.0 No.2 0.0 Z oz Note: E ā ို့ပ Ξ 1 Overhaul and exchange O-ring, Gasket, V-ring, and others. 0.0 No.1 | No.2 Check of shaft sleeve and exchange of grand packing. 0.0 Ξ ç Ξ, E 3rd operation 0.0 Check and exchange of mechanical-scals. No.2 Check and adjustment of shafts center. 1.1 Check of wearing at resolving part. 1. Adjustment of leakage from joints. 716X.5 Exchange of oil for bearing shaft. No.1 Adjustment of all the other parts. Examination and exchange of oil. Check of vibration and noise. Check of shafts temperature. 2 ៊ូ Ξ -2nd operation 0.0 Check of inside casing. N0.2 -1:90 13:45 7030.6 14:39 010 30.0 0.004 36.0 7168.5 No.1 9 22.0 34.0 m 1196.1 S.C 2 Ē В 1st operation ပ • No.1 No.2 196.4 9:16 7030.6 0.10 6891.4 28.0 400.0 06.1 35.0 33.0 5 22.0 8.22 X T 2 C)-3 [Cumulative flow meter at start C)-11 Cumulative flow mater at end c)-2 Operation start time c)-10 Operation end time b) Lower Tank b)-1 Water level at start Stuffing box Temp. River Water Level Water level at end c)-5 Delivery Pressure c)-4 Suction Pressure 6 Monthly Bearing Temp. Monthly Ycarly 2 Years Water Temp. Ampere Remark c)-1 Position Voltage \$6/5/8 Ĵ 5 ۍ ن ۍ 8-(ت Ę 27 2 c) Maintenance c) Lower Pump Date : (Stare-1) Ching Chhu

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Civil Monitoring Sheet

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O FONDIAL         Nat Propertian         Materian         Alterpretain	-iDate :	8/7/95								ŀ			ļ			•
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	<ol> <li>Cipuration</li> </ol>		1st oper-	ation	2nd oper	ation .	3th opera	ution	4th open	tian .	5th oper-	ation	crades (1)-)	a tixin	70h oper	ation
Information         Interval         Partial         Paria         Partial         Partial			1.0%	No.2		Na.2	No.1	No.2	. 1.oN	Na.2	No.1	Na.2	No.t	H-N	1	No.2
Net $a$ Net $a$ <td></td> <td>1 ift down "L</td> <td>Ele-14</td> <td></td> <td>and the second se</td> <td></td>		1 ift down "L	Ele-14												and the second se	
Survives         Tell         Survives         Tell         Survives         Tell         Survives         Survive		Near	9		and a growth water of											
UL $2,3$ 0 $2,3$ 0 $600$ <th< td=""><td></td><td>Start Line</td><td>SF42</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>		Start Line	SF42													
Totation         0.15         coit         0.00	ž	Ind time								,					•	
		Lotal time		( <del>0</del> :0	0:00	0:00	0:00	0:00	0:00	8	0:00	0:00	0:00	- 1	00:0	0:00
Serff         6 <td></td> <td>Lift up "2</td> <td></td> <td></td> <td>14~fd</td> <td></td>		Lift up "2			14~fd											
Starting, [bolding, [b		Staff			9		•									
		Start time			17:10											
Totation:         010         010         021         010         0200 <t< td=""><td></td><td>Find time</td><td></td><td></td><td>17:32</td><td></td><td></td><td></td><td></td><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td></t<>		Find time			17:32						-					
	•	Total time	04)40	•	0:22	0:00	0:00	0:00	0:00	0:0	0:00	Ú:(M)	0:00	0:00	0:00	.0150
Naft         6         0		Lift down	T->R													
Prime         7-30         Prime         Prim         Prim         Prim	5) Floater	Stuff	•													
Hold (ms.         7-55         ee.00	Setur time	Start time	7:30													:
Totaline:         Dist         Tetel         Cent         Qend	-	1. Ind time	7:45		1										:	
Lift up         k=37         k=36		Total time	0.15		0-00		(2)	0.00	100-11	0:00	040-0	0:00	0:00	0-()()		0070
Start         6 <td></td> <td></td> <td></td> <td></td> <td>K-&gt;T</td> <td></td>					K->T											
Start time         17.3.3         17.3.3         0.00         17.3.4         0.00		NewOT		·	Ŷ									· · · ·		
Find frice.         17.48         17.48         17.48         17.44         0.00         0.76         0.40         0.70         0.40		Ĩ	÷ —		17:33										:	
		Pind time	1		17.48									:	:	
Pipe length         4.00         4.00         4.00         4.00         4.00         9.00		Fotal time	1	<u> </u>	9:15	0110	0.110	00:0	0:00	0:00	0:00	0:00	0-640	0:04	0:00	9.00
Start time       7:46       0:00 <td></td> <td>l'ipe length</td> <td>1</td> <td></td> <td>4.06</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td>		l'ipe length	1		4.06								-			
c       Find time $X = 20$ $0:00$ <td></td> <td>Start time</td> <td>7:46</td> <td></td> <td>0:00</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td>-</td> <td></td>		Start time	7:46		0:00									1	-	
Total time $0:44$ $0:60$ $0$	.,	Find time	X:20		01-0							1				
INVection         Start time         8:43         14:20°         14	÷	Extal time	14:0	0:01		0100	0:00	0:00	0:00	00-0	0100	0:00	050		0:00	0300
Divisent time         Find time         9:38         15:16         0         0:00	7	Start time	8:43													
Total time         0:55         0:04         0:56         0:04	Driven time	1;nd time	9:38									:				
Cumulative         N tant         956.2         956.2         956.2           Anpere meter         M tant         956.7         985.5         9         0.0		Total time	\$\$°0	0:00	0:56	01:0	0:00	00-0	0:00	00:0	110-0	1010	- 110-24	01(0)	9-1H1	00:0
c meter At end 966.7 985.5 985.5 946.7 995.5 946 9.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Cumulative		950.3		756.7			:								. <b></b> –
Total tinue         16.4         0.0 <t< td=""><td><b>Anpere nuter</b></td><td>A chu</td><td>966.7</td><td></td><td>2,2%</td><td></td><td>1</td><td></td><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td><td>,    </td></t<>	<b>Anpere nuter</b>	A chu	966.7		2,2%		1			-						,   
Valve - Open - Open -			16.4	0.0	18,8	- 0.0	0.0	0.0	0.0	0'0	6.0	0.0	0.1	0'0	0.A	070
	ANNI (0	Valve	Open		Open						-					
	to) femark		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1										· · · · · ·			

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•1 Recurded position to position ( Example : 11.->12) \*2. Recorded partition to purition ( Example : P4->P3 ).....

•3 Recorded position to position: (Example : T->R Top of bank to River, M->R Middle of bank to River )

as to ended and the state of Mental A. S. River to Tan of hank "R.S." Bries of Ash I.

and the second

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\$6/1/8 Date :

					ļ									
:	•		C.L	2nd operation		<b>3rd operation</b>		4th operation		Sth operation	6th o	6th operation		7th operation
			No.1 No.2	No.1 No.2		No.1 No.2	No.1	1 No.2	No.1	No.2	No.1	No.2	No.1	No.2
a) Chang	а)-1	River Water Level	u - 2.9611	m 11%.1		•	- m.	•	- m	- m		12	. 	E   .
Chhu	]al)-2	Water Temp.	15 - °c	- 16 -	-  ɔ.		-	4	<u>,</u>		•	<b>.</b> .	!	
b) Lower Tank (b)-1	(q) x	Water level at start	0.10 m	0.10	ш		E		a	10		E   .		E -
(Stage-1)	2-(4	Water level at end	1.90 - m		m		E	55	an la	8		E •		
· · · · · · · ·	1-()	Position	٤d	Ed .										
	7	Operation start time	8.43	14:20					1.			·		
	c)-3	Cumulative Row meter at start	719.1 5	7334.1 0	0.0	74×2.5 0.0		0.0 0.0	0.0	0.0	00	0.0	0.0	0'0
	75	Suction Pressure	4.0.1	. 0.4										
c) Lower Pump c)-S	p c)-S	Delivery Pressure	22.0	24.0										† †
	Ś	Ampere	33.0	34.0	<u></u>				1					1
	5	Voltage	<u></u>	400.0			-						:	1 .
	÷.		35.0	36.0			1							
	Ĵ		30.0	30.0							;			•
	c)-10	Operation end time	9:38	15:16										
	C)-11	Cumulative flow mater at end	70M.1	74X2.5									:	
đ) (b		Remark				:  .	. 							
			1 Adjustme	<sup>1</sup> Adjustment of leakage from joints.	: from joi	ints			Note:					
		Monthly	Examinat	Examination and exchange of oil.	lange of a	ы.								
			LJ Check of	Check of shafts temperature.	rature.	•								
	:  	6 Monthly	Check an	Check and adjustment of shafts center.	t of shaft	ts center.	 - -	•			·.			
			11 Check of	<sup>1</sup> Check of vibration and noise.	d noise.	•								
c) Maintenance	ų		1.1 Check of	1 Check of shaft sleeve and exchange of grand packing.	and excha	מחבר טל ברשו	nd pack	ing.						
		Yearly	Check and	and exchange of mechanical-seals.	of mechan	nical-scals.				-				
·		-	Exchange	Exchange of oil for hearing shaft.	aring sha	ıft.					•			
	• •		Overhaul	Overhaul and exchange O-ring, Gasket, V-ring, and others,	ge O-ring	. Gasket, V	-ring. a	ind others.						
		2 Years	1 Check of	of wearing at revolving part.	evolving	part.	•							
			Check of	of inside casing.	.5					÷				
			Adjustme	1.1 Adjustment of all the other parts.	other par	18.	•							
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		Ĵ		•	Arrest.					- <b>4</b>				
						and the second					ACTIVA			

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Civil

Direction         Statemention         Statemention <th></th> <th></th> <th></th> <th></th> <th>•</th> <th></th> <th></th> <th></th> <th>1.</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>ľ</th>					•				1.							ľ
Operation         Nationality	Date :	CC NON		ŀ			Tale second	(in the second	erono dit	tion	Sth opera	Cicm -	6th-opera	tion	7th opera	time
Darp No.         Natl	<ol> <li>Cynoration</li> </ol>		1st operat	- Line	ado puz	allon a	tada me				Na.L	No.2	NN	Na.2	No.1	No.2
	2) Pump No.		Nn.1	No.2	Na.1		142									
Silk provise Subscisse         Silk provise (a)         Silk provis		1 U.M.	2.1<-14									-				
Skill jointy         Skill jointy<	• •				ĺ							<u></u>	1			
Fried         Fried <th< td=""><td>Slide pump</td><td>Start time</td><td>t</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>,</td></th<>	Slide pump	Start time	t													,
		1:nd time	•						57.0		0:00	0.00	00.0	0-00	0-00	0:00
Iff ray         Part		T'otal time		01:00	0:00	0:00			anata							
Net()         6 <td></td> <td>~</td> <td></td> <td></td> <td>P2-&gt;P1</td> <td></td>		~			P2->P1											
Not time         1710	er = 14	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1			9			~~~								
Name         Name <t< td=""><td></td><td></td><td></td><td>T</td><td></td><td></td><td></td><td></td><td></td><td>· <b></b></td><td></td><td></td><td></td><td></td><td>4</td><td>:</td></t<>				T						· <b></b>					4	:
Indiction         0.0         0		Start time	•		01:/1											
	:	Fad time			17:52								QI-0	0050	0:0	0.00
		Total time	00:00	0100	0:22	0-00 0	();()	0:00	00:00		0.014					
Searth         6         0 <td></td> <td>Life dawn.</td> <td>T-&gt;K</td> <td></td> <td></td> <td></td> <td>4 4 4 4</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		Life dawn.	T->K				4 4 4 4									
Intrinsion         7.50         0.90	:															
Xiant tree:         2730         0.919         6.910         0.910	(2) Ploster			Ť										:		
Ibid line:         7.20         0.90	Setup tinke	Start time	8	E '												
Total time         0:15         0:00		11:nd time	7:20								11-11-1		0070	00:0	0:00	0;0
Lift up         4         K>T         K>T         K>T         K>T         K <thk< th="">         K         K</thk<>		'l'otal time	0:15	01010	0:00	(H):0	0-00	0100	0110	nu. n						
Starff         6         7.53         9:10         0:10					K->T										:	
Name inco.         173-34         173		Ves C														
Name         17.4.4         17.4.6.         17.4.6.         17.4.6.         17.4.6.         17.4.6.         17.4.6.         17.4.6.         17.4.6.         17.4.6.         17.4.6.         17.4.6.         17.4.6.         <					17:53								-	1		:
Total time.         0:00	ar . <b>B</b> a <b>r star</b> st	Nart time														
Total time         0:00         0:10         0:11.5         0:00         0:11.6         0:00         0:11.6         0:00         0:11.6         0:00         0:11.6         0:10		1:nd time					UVVU	0.00	0.01	(X) (	0:00	0010	0100	00:00	- (14)=()	05:00
Pripe temper         4.00         4.00         4.00         0.010		Total time	0:00	00-0	0:15	00:0	011-0									
Start time $8:00$ $0:00$ </td <td></td> <td>l'ipe length</td> <td>4.00</td> <td></td> <td>4,00</td> <td></td>		l'ipe length	4.00		4,00											
17.nd time:       8:24       0:00       0:10 <td>6) Filling water</td> <td>Start time</td> <td>00<sup>-</sup>%</td> <td></td> <td>04130</td> <td>: : : : : : :</td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	6) Filling water	Start time	00 <sup>-</sup> %		04130	: : : : : : :	-									
Trivial time         0:24         0:00	Setup time	I'nd time	¥:24		0:00						1		0.00	90-Q	0140	0450
Nart time         Nart time <t< td=""><td></td><td>Fortal time</td><td>4:24</td><td>0:00</td><td>0:00</td><td>0.00</td><td>00.0</td><td>00.00</td><td>130</td><td></td><td>00020</td><td></td><td></td><td></td><td></td><td></td></t<>		Fortal time	4:24	0:00	0:00	0.00	00.0	00.00	130		00020					
Driven time         Find time         9:36         14:30         9:30         9:40 <td>3</td> <td>Start time</td> <td>Ĺ</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Ŕ</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>·····</td>	3	Start time	Ĺ						Ŕ							·····
Total time     0:56     0:00     0:53     0:00     0:00     0:00     0:00     0:00       Cumulative     Antern     985.6     1106.6     0:0     0:00     0:00     0:00     0:00     0:00       Ampere meter     Aread     1066.6     1028.1     0.0     0:0     0:0     0:0     0:0     0:0       Ampere meter     Aread     1066.6     0.0     0.0     0.0     0.0     0.0     0.0       TANK     Valve     21.0     0.0     21.5     0.0     0.0     0.0     0.0     0.0	Driven time	Find time												UI-O	145	000
Cumulative A start 985.6 11006.6 11028.1		Total time		0:00	0:53	0:00	01010	- 00:00	(H)-0	- (924K) -	(H):0	anoici -				
Anpere meter         M chd         1000,6         1028,1         1.028,1         1.028,1         1.00         0.			9%5,6		1996.6									:		
TANK         Value         21.0         0.0         21.5         0.0         0.			100%6		-1.12X.1-									9.0	5	0.0
T.NNK Valve Open			- 21.0	0.0	- 21°S	<b>0'0</b>	0.0	0'0	0.0	0'0	9 	₽°#				
C. march	ON TANK	Valve	Open		()pen							:				
	Press Description								: :							
		- IKewarawa														

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and the second 
 Scended position to position ( Example : T->K Tup of bank to River, M->R Middle of bank to River)
 A Recorded position to position ( Example : R->T River to Tup of bank, R->T River to Middle of bank.) \*Z Recerded puvition to position ( Example 1.14->13 )...

Date : 8/8/95

					•	а.				1.2		1.1			
	i .	ł		Ist operation	2nd operation	_ 1	Srd operation	410 0	4th operation		operation	otn o	oto operation	0	/tu operation
	:			No.1 No.2	No.1 No.2	No.1	1 No.2	No.1	No.2	No.1	No.2	No.1	N0.2	No.1	No.2
	Chang	1-(*	River Water Level	m - 1.7911	1.197.1	- 10	Ε.		. n	i		ر مىنىر	е -	.1	E :
	Chhu	3 <b>-</b> -7		15 - °c		ر. ر	2		<b>,</b>		<b>.</b> .	•	•	•	<b>P</b>
1					A 10		5				1				4
2 2	LOWCT LANK D)-1														
<u>ې</u>	(Stage-1)	P)-2	Water level at end	I. W m	- 06.1	E	-		5 		-		•		
		()-1	Position	2	P2					;		i : :		1	
	-	۲- 5	c)-2 Operation start time	8:34	13:37	·							:		
		C-3	Cumulative flow meter at start	7482.5	7624.6 0.0	7763.1	3.1 0.0	0.0	0.0	0.0	0.0	0.0	0'0	0.0	0.0
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ר כ	Lower Pump c)-5	5-C)-5		22.0	22.0										,
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		(c)-9		30.0	30.0	_									
	·	01-0 0	c)-10 Operation end time	9:30	14:30										i
-		C)-11	C)-11 Cumulative Row mater at end	7624,6	7763.1				_			:	-		
<u></u>			Remark												
				- I Adjustme:	14 Adjustment of leakage from joints.	rom join	ts.			Note:					
			Monthly	[] Examinat	Examination and exchange of oil.	ILC Of OIL	•								
				1.1 Check of a	k of shafts temperature.	turc.			. :						;
			6 Monthly	T Check an	k and adjustment of shafts center.	f shafts	center.							÷	
		<u>-</u>		1 Check of	k of vibration and noise.	noise.					•				
<u></u>	c) Muintenance	2		LI Check of	LECheck of shaft sleeve and exchange of grand packing,	d exchar	nge of grand	packing	: •••	:					
			Ycarly	17 Check and	<sup>1</sup> TCheck and exchange of mechanical-seals.	mechani	cal-scals.								
		: •		Exchange	Exchange of oil for bearing shaft.	ing shaf	• •								
			· .	1 Overhaul	1 Overhaul and exchange O-ring, Gasket, V-ring, and others.	O-ring.	Gasket, V-r	ing, and	others.						
-		:	2 Years	- Check of	Check of wearing at revolving part.	olving p	art.		-						
				- Check of	Check of inside casing.										
		· · ·		Adjustme	1.4 Adjustment of all the other parts.	her part									
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**Civil Monitoring Sheet** 

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Ise operation         Lue operation         Lue operation           no.1         No.2         No.1           7:18         0:19         0:10           7:18         0:19         0:10           7:19         0:13         0:10           7:15         0:13         0:10           7:15         0:13         0:10           7:20         17:215         6           7:29         0:10         0:21-           0:19         0:10         0:21-           7:29         0:00         0:21-           8         0         0:00         0:27-           9         0:00         0:00         0:27-           9         0:00         0:00         0:27-           17:28         0:00         0:27-           17:29         0:00         0:27-           17:29         0:00         0:27-           17:29         0:00         0:00           17:38         0:00         0:00	Nu.2	Ne. 1 Ne. 2 Ne. 1 Ne. 2 0:00 0:00 0:00 0:00 0:00 0:00	Nu.1 Nu.2 Nu.2 Nu.2 Nu.0 0:00 0:00 0:00	C C C C C C C C C C C C C C C C C C C	No.2 0:00 0:00	Nea.1 N	Na.2 0:00	N	Nu.2 0:00 0:00
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Idit down **     P1->P3       Stids pump     Staff     6       Staff     6       Staff     6       Staff     6       Staff     0:13       Staff     0:13       Staff     0:13       Staff     0:10       Total time     0:13       Staff     0:10       Staff     6       Staff     6       Filanter     Staff       Staff     6       Staff     6       Staff     6       Staff     6       Staff     6       Staff     6       Staff     0:10       Staff     0:10       Staff     0:10       Staff     0:10       Staff     0:10       Staff     6       Staff     6       Staff     1       Staff     0:10       Staf	0:00	0:00	0:00		0:00 0:00	0;;00 (;6)	00:00	00000	0:60 0:60
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Slide pump     Set op time     7:13       Set op time     1:nd time     0:13     0:10       Total time     0:13     0:10       Taft up     2     0:10       Staft time     0:10     0:00       Staft time     0:10     0:00       Staft time     0:10     0:00       Staft time     7:29     0:00       Staft time     7:39     0:00       Staft time     0:19     0:00       Staft time     0:10     1:00       Staft time     0:10     0:00       Staft time     0:01     0:00	0;00	0:00	0:00		0:00	0:00 0:00 0:00 0:00	00:00	0:00	0:00
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Vind Lime     0:00       Total Line     0:00       Life derivata     T->R       Starf Lime     7:20       Starf Lime     7:29       Starf Lime     0:19       Find Lime     0:19       Starf Lime     0:19       Starf Lime     7:36       Starf Lime     0:19       Starf Lime     0:19       Starf Lime     0:19       Starf Lime     0:19       Starf Lime     0:10       Starf Lime     0:10       Starf Lime     0:01	0:10	0;00			0;0	<b>G</b>	049:0	60 60 60	0:00
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Ampere meter			-						
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9) TANK (Valve Open Open									
(10) Rymark									

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•5 Recorded partition to position ( Kxample : T.>R Top of bank to River, M.->R Middle of hank to River )

•4 Recorded position to position ( Example : R.»F River to Top of bank, R.»F River to Middle of bunk.)

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All matrix         Rati Nucl.	Mat         Pictor         State operation         And         Operation         State operatioperating         State ope		Date :	4. 	\$6/6/8													ŀ		
Maintenance         No.1         No.2         No.2         No.1         No.2	Chang         juilt         Nucl         <	L				151 01	<b>eration</b>	2nd o	peration	3rd <	operation	4th o	peration	5th o	<b>beration</b>	6th o	peration		h oper	ation
Chang         3-1         River Water Level         1106.3         n         1106.3         n         1106.3         n         1106.3         n <th>Charter         Jay1         Rater Vator Level         11063         n         1010         n</th> <th></th> <th></th> <th>r L</th> <th></th> <th>No.1</th> <th>No.2</th> <th>No.1</th> <th>No.2</th> <th>No.1</th> <th>No.2</th> <th>No.1</th> <th>N0.2</th> <th>No.1</th> <th>No.2</th> <th>No.1</th> <th>No.2</th> <th>ž</th> <th></th> <th>7.0</th>	Charter         Jay1         Rater Vator Level         11063         n         1010         n			r L		No.1	No.2	No.1	No.2	No.1	No.2	No.1	N0.2	No.1	No.2	No.1	No.2	ž		7.0
Chlue         j>2         Water Tenj.         15         * c         16         * c <th< th=""><th>Chain         joj2         Water Fremp.         15         ° c         (b)         Water Fremp.         15         ° c</th><th></th><th>Chang</th><th><u>4)-1</u></th><th></th><th>1196.3</th><th>12 -</th><th></th><th>Ξ</th><th>•</th><th>е •</th><th></th><th>E .</th><th></th><th>ш</th><th></th><th>•</th><th>: E</th><th></th><th>E :</th></th<>	Chain         joj2         Water Fremp.         15         ° c         (b)         Water Fremp.         15         ° c		Chang	<u>4)-1</u>		1196.3	12 -		Ξ	•	е •		E .		ш		•	: E		E :
Lumer Truk         byl         Water feet at start         0.10         m	Lower Tank         Nuter level at stort         010         n         0.0 <th></th> <th>Chhu</th> <th>-7 -7</th> <th>1</th> <th>. 15</th> <th>•</th> <th></th> <th></th> <th></th> <th>°.</th> <th>1</th> <th><b>.</b>.</th> <th></th> <th>ູ. -</th> <th>•</th> <th>•</th> <th>ب</th> <th></th> <th>C.</th>		Chhu	-7 -7	1	. 15	•				°.	1	<b>.</b> .		ູ. -	•	•	ب		C.
(Stage-1)         by:1         Water ferci at end         1 %         m         1 %         m	Relace1         b)2         Water Feet at cerd         190         m         130         m <th< th=""><th></th><th>Cower Tank</th><th>1</th><th>Water level at start</th><th>01.0</th><th>E</th><th>[</th><th></th><th></th><th>W +</th><th></th><th>e ·</th><th></th><th>- m</th><th></th><th>•</th><th>u l</th><th></th><th>2 1 1</th></th<>		Cower Tank	1	Water level at start	01.0	E	[			W +		e ·		- m		•	u l		2 1 1
Cyl.1         Predictor         P3         P3         P3           Cyl.2         Operation start time         8:10         14:12         0.0	(b)1         Paction         P3		(Stare-1)	2-7 Q		1 90			T		- IN		E 1		ш -			E		Ξ
0.2         Operation start time         8:10         15:12         0.0	Q.2         Operation start time         8:10         13:12         0:0			3	Position	P3		P3		- 1										1
O-3         Commarke forwarer a start         76.01         90.01         0.00 <th< th=""><td>O-3         Cumulative form meter at start         76.1.         Number         76.1.         Number         76.1.         Number         0.0</td></th<> <th></th> <th>-</th> <th>C)-2</th> <th></th> <td>8:10</td> <td></td> <td>14.12</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>• •</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>•</td>	O-3         Cumulative form meter at start         76.1.         Number         76.1.         Number         76.1.         Number         0.0		-	C)-2		8:10		14.12						• •						•
Cy-l     Suction Pressure     5.0     5.0       Lower Pump     Cols Network     22.0     22.0       Cols Ampere     35.0     34.0       Cols Bearing Temp,     36.0     36.0       Cols Bearing Temp,     36.0     36.0       Cols Bearing Temp,     30.0     29.0       Cols Bearing Temp,     30.0     30.0       Cols Bearing Temp,     15.04     10.0       Remark     I.Stotk and exchange of oil.     10.0       Maintenance     Yearly     I.Check of shaft stemperature.       Maintenance     Yearly     I.Check of shaft stemperature.       Maintenance     Yearly     I.Check of shaft stemperature.       Check and adjustment of fastage colin.     I.Check of shaft stemperature.       Yearly <td< th=""><td>C)-I     Suction Pressure     5.0     5.0       Lower Pump (O:5     Delivery Pressure     2.0     2.0       O-6     Ampere     35.0     34.0       O-6     Ampere     35.0     34.0       O-7     Voltage     35.0     34.0       O-8     Rearing Temp.     36.0     36.0       O-9     Stuffing box Temp.     36.0     36.0       C-9     Stuffing box Temp.     30.0     29.0       C-9     Stuffing box Temp.     30.0     29.0       C-9     Stuffing box Temp.     30.0     29.0       C-9     Stuffing meter     704.7     86.9.3       C-9-10     Operation end time     704.7     86.9.3       C-9     Stuffing meter     704.7     86.9.3       Monthly     U-Adjustment of Leakage from joints.       Maintenance     Clock and adjustment of Leakage from joints.       Yearty     U-Steck of shafts temperature.       Yearty     U-Steck of shafts temperature.       Romthly     U-Steck of shafts temperature.       Romthly     U-Steck of shaft stermerand.       Yearty     U-Steck</td><th></th><th>:</th><th>() ()</th><th></th><td>7763.1</td><td></td><td>7904.7</td><td></td><td>×049.</td><td></td><td>00</td><td></td><td>0.0</td><td>0.0</td><td>0.0</td><td>1</td><td></td><td>0.0</td><td>0.0</td></td<>	C)-I     Suction Pressure     5.0     5.0       Lower Pump (O:5     Delivery Pressure     2.0     2.0       O-6     Ampere     35.0     34.0       O-6     Ampere     35.0     34.0       O-7     Voltage     35.0     34.0       O-8     Rearing Temp.     36.0     36.0       O-9     Stuffing box Temp.     36.0     36.0       C-9     Stuffing box Temp.     30.0     29.0       C-9     Stuffing box Temp.     30.0     29.0       C-9     Stuffing box Temp.     30.0     29.0       C-9     Stuffing meter     704.7     86.9.3       C-9-10     Operation end time     704.7     86.9.3       C-9     Stuffing meter     704.7     86.9.3       Monthly     U-Adjustment of Leakage from joints.       Maintenance     Clock and adjustment of Leakage from joints.       Yearty     U-Steck of shafts temperature.       Yearty     U-Steck of shafts temperature.       Romthly     U-Steck of shafts temperature.       Romthly     U-Steck of shaft stermerand.       Yearty     U-Steck		:	() ()		7763.1		7904.7		×049.		00		0.0	0.0	0.0	1		0.0	0.0
Lower Pump     C-5     Defivery Pressure     22.0     22.0       C-6     Ampere     35.0     34.0       C-7     Voltage     400.0     400.0       C-9     Staffing box Temp.     36.0     36.0       C-9     Staffing box Temp.     36.0     15:04       C-10     Operation end time     9:03     15:04       C-11     Cumulative flaw mater at end     7004.7     809.3       Monthly     I     Lokek of shafts temperature.       C-11     Cumulative flaw mater at end     7004.7       Remark     Monthly     I       Adjustment of heakage from joints.       Maintenance     Yearly       Yearly     I       Yearly     I       Check of shafts temperature.       Maintenance       Yearly     I       Yearly     I       Check of shaft steroe and exchange of gil.       Overhaul and exchange of gil.       Overhaul and exchange of gil.       Yearly     I       Check of niside casing.       Yearly     I       Check of niside casing.	Lower Pump     0.55     Delivery Pressure     22.0     22.0       0.6     Ampere     35.0     34.0     000.0       0.7     Voltage     400.0     400.0     00.0       0.7     Voltage     36.0     400.0     00.0       0.9     Stuffing box Temp.     30.0     29.0     15.04       0.11     Operation end time     9.03     15.04     00.0       0.11     Canadative flaw mater with and time     9.03     15.04     0.0       0.11     Canadative flaw mater with and time     9.03     15.04     0.0       0.11     Canadative flaw mater with a distance of oil.     15.04     0.0       Monthly     Examination and exchange of oil.     1.5.04     0.0       Maintenance     Yearly     1.5.04     0.0       Maintenance     Yearly     1.5.04     0.0       Yearly     1.5.04     1.5.04     0.0       Maintenance     Yearly     1.5.04     0.0       Yearly     1.5.04     1.5.04     0.0       Maintenance     Yearly     1.5.04     0.0       Yearly     1.5.04     1.5.04     0.0       Yearly     1.5.04     1.5.04     0.0       Yearly     1.5.04     1.6.06     0.0 <th></th> <th>:</th> <th>17</th> <th>1</th> <td>5.0</td> <td></td> <td>5.0</td> <td></td> <td></td> <td>· · ·</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td>		:	17	1	5.0		5.0			· · ·									1
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c)-7     Voltage     400.0     400.0       c)-8     Bearing Temp.     36.0     36.0     36.0       c)-9     Stuffing box Temp.     30.0     220.0     15.04       c)-10     Operation end time     -9.03     15.04     0       c)-11     Cumulative flaw matter ut end     700.7     8009.3     15.04       Remark     Monthly     15.04     8009.3     15.04       Afjustment of leakage from joints.     Monthly     15.04     15.04       Remark     Monthly     16.000     15.04     0.01.       Adjustment of shafts temperature.     6.0001     10.000     10.000       Maintemance     Yeartly     16.000     10.000     10.000       Yeartly     16.000     10.000     10.000     10.000       Yeartly     16.000     10.000     10.000     10.000       Yeartly     16.000     10.000     10.000     10.000       Yeartly     10.000     10.000     10.000     10.000       Yeartly     10.000     10.000     10.000     10.000       Yeartly     10.000     10.000     10.000     10.000       Yeartly     10.0000     10.000     10.000     10.000       Yeartly     10.0000	C-7     Voltage     400.0     400.0       C-8     Bearing Temp.     36.0     36.0     36.0       C-9     Stuffing box Temp.     30.0     29.0     15.04       C-10     Operation cnd time     9:03     15.04     15.04       C-11     Cumulative flaw mater ur end     700.1     809.3     15.04       Remark     Monthly     I Examination and exchange of oil.       Remark     Monthly     I Examination and exchange of oil.       Naintemance     Yearly     I Check of shafts temperature.       Yearly     I Check of vibration and noise.       Yearly     I Check of vibration and noise.       Yearly     I Check of vibration and cochange of grand packing.       Yearly     I Check of vibration and cochange of grand packing.       Yearly     I Check of vibration and cochange of grand packing.       Yearly     I Check of vibration and cochange of grand packing.       Years     I Check of vibration and cochange of grand packing.       Years     I Check of vibration and cochange of grand packing.       Years     I Check of vibration and cochange of grand packing.       Years     I Check of vibration and cochange of grand packing.       Years     I Check of vibration and cochange of grand packing.       Years     I Check of vibration and cochange of grand packing.   <			ડું	Ampere	35.0		34.0											1	•
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C)-T1     Cumulative flaw narteer ut end     7004.7     8049.31       Remark     Monthly     LAdjustment of leakage from joints.       Monthly     Examination and exchange of oil.       Mintenance     6 Monthly     Check of shafts temperature.       Maintenance     Yearly     Check of shafts temperature.       Maintenance     Yearly     Check of shafts temperature.       Yearly     Check of shaft steeve and exchange of grand packing.       Yearly     TCheck of shaft steeve and exchange of grand packing.       Yearly     Ucheck of vibration and noise.       Yearly     Ucheck of vibration and cost-       Yearly     Ucheck of wearing after emperature.       Years     Ucheck of wearing at revolving part.       Jourd     Ucheck of wearing at revolving part.	C)-11     Cumulative flow number ut end     7004.7     8009.3       Remark     U     Adjustment of leakage from joints.       Monthly     I     Examination and exchange of oil.       Maintenance     Monthly     I     Check of shafts temperature.       Maintenance     Yearly     I     Check of shafts temperature.       Yearly     I     Check of shaft steeve and exchange of grand packing.       Yearly     I     Check of shaft steeve and exchange of grand packing.       Yearly     I     Check of not for bearing shaft.       Yearly     I     Overhaul and exchange of casher. V-ring, and others.       Z Years     I     Overhaul and exchange O-ring. Gasket. V-ring, and others.		:	J.	) Operation end time	-9:03	1. P. 1. P. 1.	15:04												1
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Check of inside casing. Adjustment of all the other parts.	Adjustment of all the other parts.	-			2 Years		Check of	wearin	g at revol	ving pa	ť									
Adjustment of all the other parts.	1 Adjustment of all the other parts.	-				-	Check of	inside e	casing.	•										
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**Operation Monitoring Sheet** 

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**Civil Monitoring Sheet** 

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Find time         9:03         0:01         0:01         0:01         0:01         0:01         0:01           Yeal time         0:56         11:01         0:01         0:01         0:01         0:01         0:01           Matat         11X1.X         11202.7         0:01         0:01         0:01         0:01           Matat         11X1.X         1202.7         0.0         0:0         0:0         0:01           Matat         11X1.X         1202.7         0.0         0.0         0.0         0.0           Value         20:9         0.0         0.0         0.0         0.0         0.0         0.0           Yalve         Open         20:9         0.0         0.0         0.0         0.0         0.0         0.0		Start time	70:K				. <u> </u>									
Type         Type         0:40 <th< td=""><th>Driven time</th><th>1 nd time</th><td>9:03</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>1</td><td>100010</td><td>4-04</td></th<>	Driven time	1 nd time	9:03											1	100010	4-04
Mistart         1181.8         1202.7           keter         1.0 etcl         0.0         0.0         0.0         0.0         0.0           Total time         20.9         0.0         1202.7         0.0         0.0         0.0         0.0         0.0           Valve         Open         Open         No electricity         0.0         0.0         0.0         0.0         0.0		"Lotal time					0050	0:1NF	6141	0.00	0.00	0.00	1050	46749		
veneter 1 vend 1202.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 10 10 10 10 10 10 10 10 10 10 10 10 10	<ol> <li>c'umulative</li> </ol>	AL STAT	X 1X11		1202.7				:			:				
Valve Open 20,9 0,0 -1202,7 0,0 0,0 0,0 0,0 0,0 0,0 0,0 0,0 0,0 0	Ampere mete	r I.N. end	1202.7												=	0.0
Valve Open (Ver		Total time	20.9	0.0	-1202.7	0.0		0.0	0 0	0.0	616	n III	2			
No electrici	0) TANK.	1 valve	Open	-	()ben		 									
	10) Rumark	-			No electric					•						

•1 Recorded position to position ( Example : 11-21.4.) •2 Recorded position to position ( Example : 14-213.)

\*3 Recorded position to position ( Example : T->R Tup of bank to River, At->R Alidule of bank to River )

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			1st operati	u U	Znd ope	operation	3rd of	operation	4th 0	4th operation	5th o	5th operation	6th of	6th operation	7th of	7th operation
	'		No.1	No.2	No.1	No.2	No.1	No.2	No.1	No.2	No.1	No.2	No.1	No.2	No.1	No.2
a) Chang	a)-1	River Water Level	1196.4	<b>H</b>	•			ui -	- 1	с. 1	- -	E .	•	а • •	4	E ,
Chhu	я)-2	Water Temp.	- 16	- °c		<b>U</b> - - -		<b>.</b>	-	9 	- - -			ູ. -	•	•
b) Lower Tank b)-1	I-(q)	Water level at start	Ε.		•	• III		<b>u</b> -	-	-	E	8	1	<b>u</b> -		
(Stage-1)	b)-2		1.90	- 111	ì	- m		- m	N	B		- UI		-		8
	<u>5</u>	Position	P3												1	
	c)-2	Operation start time	\$:07												-	
	c)-3		X 794 X	1.000 (1.	L XL GX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0'0	0.0	0.0
	3		10													
c) Lower Pump c)-5	p c)-5		22:0		·						1					•
	Ĵ	1	010	•		, <u>, -</u>			-					: :		:
•	- <del>.</del> -	Voltarge	400.0													
	c)-8		39.0						2				,			•
	c)-9		30.0						· · · ·							
	C)-1(	c)-10 Operation end time	- 9:03 -													•
	C)-11	C)-11 Cumulative flow nuter at end	8,918.1		-											
		Remark			Error L	E-Not supply										
	.		V Dana a	🖽 Adjustment of leakage from joints.	it of leak	age fron	n joints.				Note:					ŀ
		Monthiv	,	1) Examinati	on and c	ination and exchange of oil	of oil.		•							
				Check of s	hafts ter	k of shafts temperature.										
·	·	6 Monthly		Check and adjustment of shafts center.	l adjustn	nent of s	hafts cc	nter.								
			ž	Check of vibration and noise.	ibration	and not	ų									
c) Maintenance	8		Ž	Check of shaft sleeve and exchange of grand packing,	haft slee	ve and c	хсһапрс	: of grand	I packin	<b>1</b>						
		Yearly	<u> </u>	Check and exchange of mechanical-seals.	1 exchan	re of me	chanical	l-scals.				÷				
			•64	Exchange of oil for hearing shaft.	of oil for	·bearing	, shaft		•	•						
		and the second	Ľ.	Overhaul and exchange O-ring, Gasket, V-ring, and others.	and excl	unge O-	ring, G	usket. V-t	ring, and	I others.			•			
		2 Years		Check of wearing at revolving part	vearing	at revolv	ing par									
				1. Check of inside casing. I. Adjustment of all the other parts.	inside ca at of all t	sing. he other	NT1KU							-		

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**Operation Monitoring Sheet** 

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1	SWINX						-								
						Tels connection		4th oneration	ufiuer 1	Sth operation	tion	6th operation	tîvn	7th operation	ation
<ol> <li>Opuration</li> </ol>		1st operation	Ling		L'ALMAIL										
2) Pump Nu.		No.1	Na.2	No.1	No.2	No.1	Na.2	N=1	7.0%	241.5	700	1.90		Time	
	1 ift down *1	21<-11		-											
	Staff	\$								-					
	S and lime	2.04						-							
		001													
A ANIAL INDIA	Port of Vince	0-20	0-00	0.46	00:00	01:0	0450	0:00	0:00	00:0	0.00	0:00	0:00	0:00	0:00
	1 0100 1110			14<-21		- - - - - -		-	1						
	Ntaff		-	3										Ţ	
	Start time														
	1 nd tine			17:20											
	Total time	00-00	0010	0:18	0:00	0110	0:00	(X)-()	0:00	0:00	0:00	0:00	0:00	0-00	0:00
	it ife down "2	T->K													
5. 151.101.10	Visit.	9												·	
1.100461															
Setup tente	Nart time	07:/													;
	Find time	124													00-0
	I otal terre	0:11	00:0	0-UX)	0:00		9:00	010	0:00	8150	0.0	0500		101-11	and the
	1 Jft un			R.>T											
	Kiali			9											
	Start time			17:22	· · · · · · · · · · · · · · · · · · ·								:		
	End time			X\$161											
	Total time	00-00	(1)-0	0:36	0:00	0:00	0:00	0:00	0:1K)	0:00	10:0	0:00	0:00	0:00	8¥50
	l'ipe length	00 X		8,400					-						
6) Filling water	Start time	7:35		00:0	and the second								-		
Setup time	I:nd time	\$05		0440					:		·				
	Total time	0:30	0:00	0:00:0	0:00	-0.00	0:00	0:00	111)=0	00%	900	N):0	00100	AMED I	
. (1			•	14:20					1		1			a	
Driven time	End tinte	9:00													-
	<b>Votal time</b>	5:0	0:00	0:53	0:00	0050	0:00	0:00	0:00	10:0	00:0	0;(X)	H O	04.50	
8) Cumulative	N 40H	1084.2		1104.2				-	· · ·			:	+-		
Ampere meter		1104.2		1123.8				:	- -					4	4
	Total tense -	20.0	0,0	9.61	0.0	0.0	0'0	0.0	01		0'0	0.0	8.0	0.0	
WILL (	Valve	usde)		()pen	-				- - -						
10) Kenark		1													
	"I Keconded	position to po	"I Recorded position to position ( Example : P1->P2	ple : 11 ->12	) – – – – – – – – – – – – – – – – – – –					÷.					•

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\*I Keeperded position to position ( Examples 1.1-7.1.)

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Date :	S(/11/8															
•			1st operation		2nd operation	3rd op	3rd operation	4th op.	4th operation	Sth operation	eration	6th op	6th operation	7th o	operation	L.
1. · · · ·			No.1 No.2	No.1	No.2	No.1-	No.2	No.1	No.2	No.1	No.2	No.1	No.2	No.1.	N0.2	
a) Chang	a)-1 River Water Level	crel	1196.5	m 1196.4					E		E.	÷	12  -		.	ε
Chhu	a)-2 Water Temp.		- 12 -	°c  15	с -	: : :	ູບ •		<b>.</b>				ຸ •	•	•	•
b) Lower Tank b)-1	(b)-1 Water level at start	ะเมน	0.10	m 0.10	m •		E ·		Ē		E -		- E		.	Ē
(Stage-1)	b)-2 Water level at end	end	1.90	m 1.90	B		E .				8	and the second second	. 5		•	Ē
	c)-f Position		P2	P2								 				
·	c)-2 Operation start time	1 time	8:06	14:20	•	•				• • •		}			•	
	C)-3 Cumulative flow noter at start	eter at start	×192.6	X3.36.7	0.0	K479.1	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	00	1.
	c)-f Suction Pressure	บ	4.5	45		 										T
c) Lower Pump c)-5	p c)-5 Delivery Pressure	arc	22.0	22.0								•		1	•	1
	c)-6 Ampere		35.0	35.0	1	1							•	;	-	
	c)-7 Voltage		100.04	0'00†									an a		• : :	••••
	c)-8 Bearing Temp.			36.0								-				1
		CD.	29.0	30.0								+			1	***** 
-			0-07	14.12				+-		. :		-				T
•			~~~~				· · · · ·			1						
			K530.7													
(P	Remark			-												
			snjbA 🖂	ment of le	stment of leakage from joints.	joints.				Note:						ŕ
	Monthly		(C) Exami	nation and	[1] Examination and exchange of oil	of oil.	1. 			•						23/A-3
			1 Check	of shafts t	12 Check of shafts temperature.	-1			_							an Canton ang Pa
	6 Monthly		1   Check	k and adjustment of	tment of st	shafts center.	ter.					·				
	· · .	<b>. .</b>	Check	of vibratic	11 Check of vibration and noise.	ن										
c) Maintenance	2		Check	of shaft sh	11 Check of shaft sleeve and exchange of grand packing	ichange e	of grand p	acking.								
	Ycarly	•	Check	and exchu	11 Check and exchange of mechanical-seals.	hanical-	icals.		<b></b>							
	:		- 1.1 Exchan	nre of oil f	ange of oil for bearing shaft.	shaft.		•	<b></b>							*******
	· · · · ·		1 Overh	tul and ex	<sup>11</sup> Overhaul and exchange O-ring, Gasket, V-ring, and others.	ing, Gas	kct, V-rin	g. and of	thers	•						10. <b>6</b> .014,
	2 Years	-	L Check	of wearing	U Check of wearing at revolving part	ng part.		:								nenete
-			- Li Check	LI Check of inside casing.	asing.	1										
			n l'Adjust	ment of all	stment of all the other	parts.										
																]
		:														
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		-	-								Š					

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**Operation Monitoring Sheet** 

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**Civil Monitoring Sheet** 

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0050 Naz 00:0 00:0 00-00 0,002 0-040 0.0 ...... 7th operation į l I 00:0 00:0 0.00 0-00 10. 10 12:0 0'D Nu.2 00:0 0:00 0:00 00-00 0490 011:0 0'0 6th operation ł 010 No.1 -00-1 0;00 950 0:00 00:00 ÷0,0 N=2 N=2 0:00 0:00 0:00 0450 01:0 -INI-CO 0.0 0 5th operation n ez 1070 00:0 0:00 00:0 00:00 0:40 0,0 ł ŝ. ÷. 4th operation No.2 00:0 0:00 0010 0:00 99:**0** 00:0 0,0 1 0010 000 - 00-0 00:0 0:00 **00:0** 0.0 1 Ne.2 10051 0:00 0:00 0.00 0:0 10:0 -0.0 Į: 3th operation 172 0:00 0.00 000 0:00 0:00 0630 0'0 0070 0000 212 0:00 NO:0 0:0H (H):(H) 9.0 2nd operation i 17:55 0:40 S1:71 16:46 17:15 0:29 0:00 Open 1 14:11 1163.5 1181.8 . **E.**KL I<-31 Ne.1 P3->P1 0:00 0:00 \$,00 8.0 0:0H) 95:0 و φ i ŧ and a second second 64F0 0010 N Z 0100 ···· 00:0 0940 0:00 The lease of the l A 11 1 1 1 1 1 1 1 1 0.0 - 1st operation 0100 No.1 1 Ţ E1<-14 1163.5 19.3 . 10 10 1144,2 T->K 7:42 %:16 0:34 Open 7:42 \$:16 8:39 9:33 00:0 X.00 0:23 ø 9 Endtine Start time Find time Fotal time Lift down -1 Start time làft up Life down<sup>w^</sup> 5615118 Lift up 22 Pipe tength Stort time N cml Total time Fad time Fotal time Find time Start time Start time Start time Find time Total time **Total time** Total time Total time End time Nets N Nur Staff とうど Valve Anyore meter Setup time Sotup time Setup time Date : Filling water Driven time Cumulative 3) Slide pump Pump No. Operation 10) kemark l'loator VNVT ( ç, s

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•1 Recorded puvition to position ( Example : P1->12 )

=2 Recorded povition to position ( Example : P4>P3 )

\*3 Recorded position to position ( Example : T->K Top of bank to River, M->R Middle of bank to River )

as Deconded multiple to reactions? Sciences 2.57 Ricords Travel 2.57 Ricords and Sciences as reacting to the Sciences of the Sciences and Sciences as the Sciences of the Sciences

Date : 8/15/95

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				1st operation		2nd operation	3rd o	<b>3rd operation</b>	4th of	4th operation	Sth. of	Sth operation	6th op	6th operation	7th (	7th operation
				No.1 No.2	-No.1	No.2	No.1	No.2	No.1	No.2	No.1	No.2	No.1	No.2	No.1	No.2
Â	Chang	Ţ	River Water Level	1196.2 - m	1.9611	w -		w -		-		ut -	•	ur -	-	-
-	Chhu	a)-2	Water Temp.	15 - °c	15	°,	•	<b>v</b>		ູ ເ		с, -	•	<b>.</b>		
(q	Lower Tunk	b)-1	b) Lower Tunk [b]-1 [Water level at start	u - 01.0	01.0	. m		- W				E.				
	(Stage-1)	b)-2	Water level at end	1.90 - m	1.90	е •		E •		E .		- m				<b>u</b> -
L		-1-() ()	Position		F3						   		ľ			•.
		c)-2	c)-2 Operation start time	8 40	11:71											
مربقتها بو		c)-3	Cumulative fluw motor at start	x501.1	K642.3	0.0	X794.X	0.0	0.0	0.0	0.0	0.0	0.0	0'0	0.0	0.0
	:	7	Suction Pressure	S'T	5.0										:	
ତ	c) Lower Pump c)-5	s c)-5		22.0	24.0									a a a a a a a a a a a a a a a a a a a		
		Ĵ,	Ampere	35.0	35.0											
		0-7	Voltage	400.0	400.0						3					
		€-6 ()	c)-8 Bearing Temp.	33.0	35.0		[									•
		c)-9	Stuffing box Temp.	29.0	29.0											: : :
		c)-10	c)-10 Operation end time	6-33	15:07											
معرمدون		c)-11	C)-11   Cumulative flow mater at end	8642.3	8.794.8									-		
ŝ			Remark													
		· · · ·		D Adjustment of leakage from joints.	nt of lea	kage from	joints.				Note.					
			Monthly	C Examination and exchange of oil.	ion and	exchange	of oil.	•				•			· · ·	
<b></b>				Check of	shafts to	mperaturi	د ا	1 1			· · · · ·					
			6 Monthly	[] Check and adjustment of shafts center.	d adjusti	ment of si	hafts cei	nter.								
ببغور إدرا		•		[1] Check of vibration and noise.	vibratio	and nois	5				: •					
ত	Maintenance			Check of shaft steeve and exchange of grand packing.	shaft sle	cyc and cy	change	of grand	packing							
a page di pandi			Yearly	1.1 Check and exchange of mechanical-seals.	d exchar	De of mee	hanical	-scals.	•							
				1.3 Exchange of oil for bearing shuft.	of oil fo	r bearing	shaft.		•••					·		
1				C Overhauf and exchange O-ring. Gasket, V-ring, and others.	and exe	hange O-r	ing. Ga	sket, V-ri	nr, and	others.						
			2 Years	Check of wearing at revolving part	wearing	at revolvi	गद्र part.									
				11 Check of inside casing. 11 Adjustment of all the o	inside ea	k of inside casing. stment of all the other narry	2 Linu						:			
					•.											

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**Civil Monitoring Sheet** 

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00:0 88 0500 0:00 6:00 (M) (M) N N Z 0,5 7th operation ÷. - e2 00:0 0:00 0050 . UQ20 0:00F 0-101 8 H Z 00:0 0:00 1010 (N):4 0HHD 0010 4,0 . . . . 6th operation Na.1 0:00 00:0 10-0 00:0 0:00 60:0 - 6'0-010 0100-0 No.4 0.0010 0.00 0020 0010 0,0 Sth operation į. ì. Ne.1 00:0 0.00 00:00 00:0 0:00 00:0 0.0 0:00 0:00 00-0 . : No.2 00-00 0:00 00:0 0.0 4th operation No.1 No. 1 1 0010 0:00 0110 0010 0:10 0100 50 . Nu2 00.00 0:00 0-00 01:0 00:0 0:00 <del>0</del>.0 3th operation Nu.1 Nu. . ÷. . 1 ŧ 0010 010 00:00 00:00 0:00 00:00 0.0 1 0:00 ŝ and the second se ł 0,0. 2ª2 0010 010 0440 01010 0:00 2nd operation 17.51 17:4X 0:16 0;1% "I Recorded position to position (Example : PL->P2.) . 19.5. HISH | 12->14 1260.1 17:09 17:32 Ne.L R->T 14:20 1.4 1279.6 - mad()-÷. 0:22 R A 6,00 ni so 0100 04120 ,¢ ÷. \_\_\_\_\_ 00:0 N.07 0050 0:00 (N):0 0070 0010 0.0 lst operation 8:15 9:10 7:10 7:29 0:19 214-14 17777 15.0.1 Open No.1 9 ч~.т 7:30 N:20 0:55 - 00**-**0 - 00'9 0:33 7:47 ې į lift up 🦾 📲 Start time Find time X/19/95 Find time Find time Lift down " Lift down"<sup>\*\*</sup> Lift up 2 Pipe length Nart time Find time Total time Find time Start time lotal time Total time: Start time Fotal time Total time At and Potal time Start time Start time Total time End time. VI start i Valve Nur 242 New Nun T Ampere meter Sectup time Setup time Setup time Date : 6) Filling water Driven time 3) Slide pump Cumulative Tump No. ()peration T.ANK
 T.Mark 5) Floater

•5 Recorded position to position ( Example : T-2K Top at bunk to River, M->K Middle of bank to River ) •4 Recorded position to position ( Example : R-2T Niver to Top of bank, R-2T River to Middle of bank ).

"2 Recorded position to position (Exumple : P4->P3)

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**Operation Monitoring Sheet** 

Date :	8/19/95				2							745	
The second se		1st operation	2nd operation		3rd operation	4th on	4th operation	Sth o	5th operation	0 U 10	oin operation		/ur operation
		No.1 No.2	No.1 No.2	No.1	N0.2	No.1	No.2	No.1	No.2	No.1	N0.2	No.1	No.2
ξ	V V Dirow Works V Veral		m1196.6		ui •		m.			•	а ,	•	e •
- T			   15				э. -		<b>.</b>	1	ې ن	•	°.
	8)-7 Water temp.				Ē		2				- 10	L	- w
b) Lower Tank D	b)-1 Water level at start	010 - W		111									
(Starc-1) h	Water level at end	1.90 • m	- 1.90		E •		Е -		≡  -		•		
1.	c)-1 Position	P2	P2						.		, I		.
	c)-2 Operation start time	8:15	14.20			-					1		1
		9460.6	9606.8	97,903	0.0	0.0	0.0	0.0	0.0	0.0	00	0.0	0.0
.1.3		4.5	4.5					1	· · · · · · · · · · · · · · ·				
c) Lower Pump c)-5		24.0	24.0										
,	c)-6 Ampere	34.0	34.0	1									
		100.00	0.00t									1	
	c)-8 Bcaring Temp.	35.0	35.0										
	c)-9 Stuffing box Temp.		30.0	- - -			2						
· · · ·	c)-10 Operation end time	9:10	15:14								-	-	
	c)-11 Cumulative flow nuter at end	9606.8	9739.3			-						_	
( <b>1</b> )	Remark			-									
		1 Adjustme	istment of leakage from joints.	rom joints				Notc:					
	Monthly	(J.Examina	O.Examination and exchange of oil	nge of oil.					•				
	•	Check of	Check of shafts temperature.	ture.				:	•				:
	6 Monthly	t Check an	Check and adjustment of shafts center.	f shafts c	enter.				i				÷
6 m 20-		11 Check of	1) Check of vibration and noise.	noise.									
c) Maintenance		Check of	- Check of shaft sleeve and exchange of grand packing.	d exchang	c of grand	packing	:						
-	Ycarly	- Check at	1 Check and exchange of mechanical-scals.	mechanic	ul-scals.								
		Exchang	i Exchange of oil for bearing shaft.	ing shaft.			:						ı
		1 Overhau	Noverhaul and exchange O-ring, Gasket, V-ring, and others,	O-ring. C	asket. V-r	ing, and	others.						
	2 Years	1 Check o	<sup>1</sup> Check of wearing at revolving part.	olving pa	ť								
		1 Check o	Check of inside casing.										
			I Adjustment of all the other parts.	her parts									

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**Civil Monitoring Sheet** 

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	1/316						the manual first	Piere T	dth eneration	tion .	5th operation	tion	6th operation	tion	7th operation	ation
<u>_</u>	Operation		1st operation	ation .	<u> </u>	Xeration	Sta upc			;		•	• • • 7	6 4 7	147	2.42
Â	Pump No.		- No.1	Nu.2	- Nak	Ne.2	Na.I	2""Z		NON	1.4.5	7442	1401	4400 K-		
L		Faft dawn -	1								_					
		N.N.	Ŷ				 	-								
	() Slide pump	Start Lines										• • •				
	Setup time	Find time	7.15													
		Total time	¥0:0	00:0	0:0	0:00	0-00	01:00	0:00	0:00	0:00	9:00	<u>¥</u>	8	80	0:00
		Tift up 2			P2->P1							·				
and an an a															•	
0-02-W		Stuff			17-60											
-		Muti Link														
~~~~		Find time Total time	0:00	0:00	0:20	00:0	01:00	00:0	0:00	0;00	0:00	0:00	0500	0:00	0:00	0:00
L		1 ife down <sup>a)</sup>	X~ 1													
2	Key Riberton															
	Sulup time	Start tine	S1:1												•	
e pakeo		ind time	7:25					-			50.0	00.4	90.0	0.0	00:0	00:0
		Total time	0:10	0500	0;00	0:00	();()	0:00	0:00		2010					
		1.ift up ***			R->T							ļ				
		Ntaff			۴											
		Start lime			17:21										:	
		Find time			17:57											5
		i otal time	0-00	0:00	0:36	0:00	0:00	0:00	00.0	€ ÷	00.0	00-0	00-00	01:0	ante	
L.		Pipe length.	- 00'9 -		- 6.00					-						
	<ol> <li>Filling water</li> </ol>	Start time	7:25		×1:51											
	Sectury time	1:nd time	00:*		14:20					:						
****	•	l'otal time	0:35	011:0	0:()2	0:00	0-00	0.00	(X) (	00.0	0050	0:00	00:0	00,0	0:00	0:00
2		Start time			22°F1					- 1					-	
	Driven time	Find time	0:00		15:18					-					1111	1111
	- 1	Total time	0:00	0:00	9:29	0.001	0:00	0-00	9.0	10:01	0:00	0:00	0200	iuntin	5419 <sup>2</sup> 61	
Ŷ	X) Cumulative	A start	1279.6		1279.6		· · · · · · · · · · · · · · · · · · ·			-		· · ·				
	Ampere meter	M cnd	1279.6		1300.9		-									6
	•	Total time	0'0	0.0	21.3	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0			
E	TANK	Valve	()hen		C)pen.			-							-4-	
Ē	10) Romark		No electricity	ţ.		1 4 4 1 A										
]		and an and a second	anniekana far ner	- U	-Z4<-14 : -14	1							•			

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=2 Recorded punition to punition ( Example : 74-2PJ ) . I Recorded pusition to position ( Example : PL->P2.)

as trained anistine to reaction ( France : T.SR Top of bank to River, M-SR Middle of bank to River )

Date :

L									1.1		1.5		14 P	Keb anamation		7th anarotion	
				ist operation	0 Du7	Lnd operation	210 01	operation	5 F	4th operation		our operation			╉		
				No.1 No.2	-No.1-	No.2	No.1	No.2	No.1	No.2	No.1	No.2	No.1	No.2	r. vz	1 No.2	2
2	Chang .	a)-1.	River Water Level		m 1196.6	•	_	10	_	Ε.	-		•	•	- E	•	ĒĮ
	Chhu	14 ()	Water Temp.	э, -	c 16	•	•	- °c	-	- °c	-	<b>.</b>	•	₽ <sup>−</sup>	י ני	<b>`</b> •	
<u>a</u>	b) Lower Tank b)-1	(a)-1	Water level at start	<b>U</b>	n 0.10	w -			:	8				•	Ē		8
	(Stare-1)	\$-7 (\$	Water level at end		n 1.90	<b>m</b> -		- m		- W		- m		•	E	1	E
		<u>.</u>	1		P2												
		()-7	Operation start time		14:22				:								1
10×70=0.		3	1.5.5	97,99,3	9739.3	0.0	9849.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0
		75			4.5								: ;		1		
ିତ	Lower Pum	p c)-S	c) Lower Pump c)-S Delivery Pressure		24.0			1					1	1	2		:
		Ĵ	Ampere		34.0												
		5	Voltage		100.0		4								1		1
		j er	1		35.0												1
<b></b>	:	6-0	Stuffing box Temp.		30.0												
		ي ج			15:18							. 1					
*****		-1-0	c)-11 Cumulative flow mater at end	£ 6126	9849.5				-								
କ			Remark	Error H-Not supply	N												
				1.1 Adjustment of leakage from joints.	ent of le:	ukage fron	1 joints.				Notc:						
	:		Monthly	CI Examina	ttion and	mination and exchange of oil	of ail.										
				1 Check of shafts temperature.	f shafts t	emperatur	:	;									
e van de service de se			6 Monthly	<sup>11</sup> Check and adjustment of shafts center.	nd adjus	tment of s	hafts ce	nter.				•					
-				Check of vibration and noise.	f vibratic	ion and noi:	્ર										
হ	e) Maintenance	ઝ		13 Check of shaft sleeve and exchange of grand packing	f shaft st	ceve and c	schange	c.of grand	packing	રાં							
			Yearly	17 Check and exchange of mechanical-seals.	nd excha	inge of mei	chanical	l-scals.									
			Д. 1.	Exchange	c of oil f	<sup>3</sup> Exchange of oil for bearing shaft.	shaft.	•	:								
			-	1 Overhau	il and cx	1 Overhaul and exchange O-ring, Gasket, V-ring, and others,	ring. C:	asket, V-ri	ing, and	l others.							
		:	2 Years	1. Check of wearing at revolving part	f wearing	g at revolv	ing part			:							
		;		Check of inside casing.	f inside c	using.		· ·									
<del></del>		<b></b> -		Adjustm	nent of al	justment of all the other parts.	parts.										
							•		•								

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**Civil Monitoring Sheet** 

l)ate :	8/22/95								-						ľ
1) Operation		Ist operation	tion	Znd operation	ration	<b>3th operation</b>	tion	4th operation	tion	5th operation	ation	6th operation	ation	7th operation	tion
2) Pump No.		I.mN	Na.2	No.1	No.2	No.1	Ne.2	No.1	Sec.	No.1	Ne.2	Ne.1	Na.2	No.1	N+2
	Life down -'	C1<-14									-				
	と『ジ	•													
3) Slide pump	Start time	2:00				1									
2	End time	7:15													
	Total time	\$1:0	0.00	0.01	0.01	00:0	00	0:00	0:00	0:00	0:00	0:00	0:00	0:00	
	1.4ft up =2			1461											
	Stuff			y											
	Start time			16:55											
	End time			17:20		ŧ.,									1
	Total time	04150	0:00	0.24	00:00	0110	0:00	0:00	0:00	0:00	0:00	0:00	0:00	00-0	
	Lift down-1	XT													
5) Flonter	Stuff	9		1											
Setup time	Start time	7:1X													
	Find time	7.32				•									
	Total time	+1:0	0-00	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00	9.46
	Life up			R->T											
	Staft			9							:				
	Start time			17:22											
	End time			1X:00	5		-							:	
	l'otal time	0.00	0:00	0:38	0-00	0:00	0:00	0:00	0:00	0:00		0:00	0:10	0:00	0:00
	P'pe length	6.00		6.00											
6) Filling water	Start time	2:40		0;041		-									
Setup time	1:nd time	70:X		00:0					;;;		2				
	Total time	0:24	0:00	60:0	0:00	0:00	- 0:00 -	0:00	0:00	0-00	0:40	0:00	(); ())	000	0:00
7).	Start time	0.00		0:33									:		
I Priven time	Find time	0:00		14:32											
and the second	Total time	0:00	0:00	0:59	01500	0:00	05(34)	0440	0:00	00:0	0450	0020	0:00	0:01	0:00
8) Cumulative	At shart			1.360.9						•					
Ampero metor	.\t end	1.500.9		1.9161						:					
	Total time	0.0	0.0	2.81	0.0	0,0	0.0	0.0	0.0	0,0	0.0	0'0	6.4	0.0	e'0
NNN'L (6	Valve	Open		орен 🤇				:				1			
10) Remark		No electricity		a parte de la composición de la composi		-					1				
			i												

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\*I Recorded position to position ( Example : P1->P2 )

"2 Recorded position to position ( Example : P4->P3 )

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-3 Recorded position to position ( Exumple : T-2R Top of back to River, M-2R Middle of bank to River)

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•4 Recencted position to position ( Example : R->1' River to Top of bunk, R->1' River to Middle of bunk.)

(i)

				Opera	<b>Operation Monitoring Sheet</b>	onitor	ing Sh	leet		· · .					
Date :	8/22/95								•						
			1st operation		2nd operation	3rd op	3rd operation	4th ot	4th operation	Sth op	Sth operation	6th ope	6th operation	7th op	7th operation
•			No.1 No.2	1.0N.	No.2	No.1	N0.2	No.1	No.2	No.1	N0.2	No.1	No.2	No.1	No.2
a) Chang	a)-1 River Water Level	Level	a a sur a sur a sur	m 1196.5		•	- m		E 1	t	•	{	e ,	, ,	6
Chha	a)-2 Water Temp.			°c 17	°. °.		°.					•	<b>1</b>		
b) Lower Tank b)-1	b)-1 Water level at start	it start		-m0.10	m •		ເມ -		Ξ	.	Е -		8 ,		E
(Stage-1)	b)-2 Water level at end	it end		m 1.90	8		B .		B				E ; ;		- E
	c)-1 Position			P3											
	C)-2 Operation start time C)-3 Cumulative flow meter at start	art tunic meter at start	9403.5	9901.5	0.0	10045.6	0.0	00	0.0	0.0	0.0	00	0.0	00	0.0
- 	c)-f Suction Pressure	are		4.5			-						1		
c) Lower Pump c)-5	1	surc		-22.0										,	
	c)-6 Ampere			33.0						1	1				•
•	c)-7 Voltage			100.0							1		4 · · ·		•
	c)-% Bearing Temp.	p.		36.0											
	c)-9 Stuffing box Temp.	Tcmp.		30.0								-			
	c)-10 Operation end time	d time		- 14:32											
	C)-II Cumulative flow mater at end	mater at end	9903.5	10045.6									, ; ;		*
d)	Remark		Error E-Not supply	N.											
			[] Adjustn	sent of lea	1.1 Adjustment of leakage from joints.	i joints.				Notc:					
	Monthly	~	CI Examin	ation and	C Examination and exchange of oil.	of oil.					·				
			Check o	f shafts to	Check of shafts temperature.	J					•				
	6 Monthly	li.	Check .	nd adjust	Check and adjustment of shafts center.	hafts cen	ter.			•	1				
	:		1 Check o	f vibratio	11 Check of vibration and noise.	ų									
c) Maintenance	•	· · · · · · ·	Check o	f shaft sie	11 Check of shaft sheeve and exchange of grand packing.	cchange (	of grand	packing		,					
-	Ycarly		Check a	nd exchai	Check and exchange of mechanical-seals.	thanical-	scals.								
			Li Exchan	e of oil fo	Exchange of oil for hearing shaft.	shaft.		, r		÷.					
,			11 Overha	al and exe	Overhaul and exchange O-ring, Gasket, V-ring, and others.	ing. Gay	ket, V-řů	nt, and (	thers.						
	2 Years	×	Check e	f wearing	Check of wearing at revolving part	กษ อุมศ.							·		÷
			1) Check of inside casing.	f inside c	asing.										
			Adjustn	sent of all	Adjustment of all the other parts.	oarts.									

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**Civil Monitoring Sheet** 

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terre reduction Alt

A specific strategy

							3th oner	211011	4th oner:	dion .	Stheren	Ation	eth opers	Ation	7th oper	'ation
	> Creation		Ist open:	SCHIM S	1000 DU7	1.4 11111								Ì		
Indome         Indome         Partial			Nul	Ne.2	No.1	Ne.2	Ne.L	Na.2	N. 1	Nu.Z	No.1	Nu.2	Na.I	Na.2	No.1	Za.Z
Wart         6         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0		1	E1<-14													
Number         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160         160<			9													
Matrix         721         721         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640         640<	<ul> <li>Slide punip.</li> </ul>	Start time								•						
Totalities         erior         open	Setup time	Find time	<u> </u>		1											
	•	Total time		0:00	0:00	; `		04:0	0:01	0.00	0.00	0:00	0:00	0950	0:00	00:0
Start         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6 <td></td> <td>Lift up *2</td> <td>Ľ.</td> <td></td> <td>P3-21</td> <td></td>		Lift up *2	Ľ.		P3-21											
Notice         15:00         15:00         15:00         15:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         16:00         <					9											
Indivine         17:21         0:00         0:00         0:21         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00		Start time			17:00											
Text time         page         qcii		Find time			12:21											
Introductor         T-R         Introductor         T-R         Introductor         Introduct		Total time	0050	90:0	0:21	0:00	0500	0:00	0:00	0:00	0:00	00-00	01:00	0:00	0:00	0:00
Natify the following         Adify the following		Lift down"	X<-1				-							- 14		
Rating         7-21         Index         7-21         1-21         1-21         1-21         1-21         1-21         1-21         1-21         1-21         1-21         1-21         1-21         1-21         1-21         1-21         1-21         1-21         1-21         1-21         1-21         1-21         1-21         1-21         1-21         1-21         1-21         1-21         1-21         1-21         1-21         1-21         1-21         1-21         1-21         1-21         1-21         1-21         1-21         1-21         1-21         1-21         1-21         1-21         1-21         1-21         1-21         <	) Floater	Near T														
Hold line         7.3.6         Under term         7.3.6         Under term         7.3.6         Under term         0.00         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.000         0.0	Setup time	ž	7:22							:						-
Total inter         0.44         0.60         600         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60         0.60	•	1'nd time				•								: ;		•
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18) Remark C.		<sup>1</sup> Valve	()pen		Open									T		
	10) Remark	-	-													

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"2 Recorded partition to partition ( Exumple : P4->P3 )

\*2 Recorded position to position ( Example : '1-272) \*3 Recorded position to position ( Example : '1-2R Top of bank to River, M-2R Middle of hank to River)

(a) S. P. M. L. D. S.P. Divasor, Taxan Phys. B 507 (10) 110 (1000) (10). 1.111

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Chhu	4	Watter Temp.	<b>2.</b> - Sl	15	ې •		- °c	1	- °c	e	. 1	۔ ي		، ې	•
b) Lower Tank b)-1	1-(a	Water level at start	0.10 - m	0.10			<b>m</b>		•		•	u	•	m	• •
(Stare-1)	2-7 2	Water level at end	n - 00.1	1.90	m		- n		. <b>.</b>		. <b>b</b>	u		E	E •
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c) Lower Pump c)-5	5-C)-2	5 Defivery Pressure	24.0	22.0								   	: ! •		:
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	(-)- -)-	Stuffing box Temp.	29.0	30.0					:						
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()	.	Remark													
			13 Adjustment of leakage from joints.	cnt of le	akage fron	i joints.				Note;					·
		Monthly	1 J Examin:	tion and	Examination and exchange of oil.	of oil.	· .								
	· · ·		U Check of shafts temperature.	f shafts t	emperatur	e,			:	: 1 	·				
	1	6 Monthly	Check a	nd adjus	Check and adjustment of shafts center.	hafts cc	inter.							:	
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c) Maintenance	।		Check o	f shaft <sub>s</sub> i	1 Check of shaft sleeve and exchange of grand packing.	xchange	c of grand	packing	•						
		Ycariy	I Check a	nd exch.	Check and exchange of mechanical-seals,	chanica	l-scals.								
			4.2 Exchange of oil for hearing shaft	c of oil I	or bearing	shuft.									
			13 Overhaul and exchange O-ring, Gasket, V-ring, and others.	il and ex	change O-	ring, G	asket, V-ri	ing, and	others.			·			
		2 Years	1 Check o	f wearin	Check of wearing at revolving part	ing par									
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**Civil Monitoring Sheet** 

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	Prod time			.90°×1	1										
	l'otal time	0:00	0:00	0:44	0,00	0:00	0:00	0:00	0-00	(M):0	00-0	06-0		0:00	00:0
	Lift down"	X1.			and the second										
5) Floater	Stuff	9			and the second second	21 - 18 m - 19	:								
Setur time	Start time	7:1%													
	1.nd time	7:32					1								
	Total time	0:14	(10:0	0:00	0:00	0:00	0:00	0:00	0:00	0.00	0-(M)	- 000	0:01	0:00	01:00
	Lift up "			IX->'I			1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1								
•	Staff					:	-								
	Start time			18:07											•
·	lind time			18:38											:
:	Total time	00:0	0:00	16:0	0:00	0:00	0:00	0050	00:00	0:00	0010	0:00	0:00	0:00	0:00
	Pipe length	0017		4,110		1					1	:			
() Filling water	Start time	2:40		0:00											
Sutup time	I'nd line	7:55		00-0											
	Total time	0:15		0:00	0:00	0:00	0:00	0010	0:00	0:00	0:00	(N)-O	1050	6412C1	
7)	Start time	7:55		13:36		*******							.) ;		
Driven time	Find time	X: 1X		14:30	·						-				
•	Fotal time	0:53	04:0	0:54	0:00	0-0K)	0:00	1101	0:00	8050.	00:0	10:0	0 <sup>4</sup> H)	89	
X) ('umutative	M start	· · ·	_	F'8461		A subject of the second s		:	: : <del>:</del>					:	
.Vapere meter				139%.6					0.0	0.6	0.0	0.0	0.0	0.0	0.0
	Total time		0.0	2.02		AM	N'n								2
V) T.NNK	Valve	Opea		Open			-								
10) Renark															
		and the second second	Not and Provide a	11-11 (D)	,										

1 Recorded position to position ( Example : 11->12 )
 2 Recorded position to position ( Example : P4->P3 )

\*3 Recorded parition to parition ( Example : T->R Top of hank to River, M->R Middle of hank to River )

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Date : 8/24/95

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<ul> <li>a) Chang a)-1 River Watt</li> <li>b) Lower Tank b)-1 Water leve</li> <li>(Stage-1) b)-2 Water leve</li> </ul>	River Water Level Water Temp. Water level at start Water level at end Position Position Cumulative flow meter at start	40.2	m 1196.6 - m	No.1 No.2		No.1 No.2	<u>.</u>	Na.1 No.2	No.1	No.1 No.2	No.1	No.1 No.2
Chang a)-1 Chu a)-1 Lower Tank b)-1 (Stage-1) b)-2 (Stage-1) b)-2 (c)-1 c)-1 c)-3 (c)-4 (c)-4	Water Level r Temp. r level at start on ation start time ation start time	N0.2	N0.2	1.0X		÷	Zer	-		10.4	1.00	7.00
Chang a)-1 Chhu a)-2 Lower Tank b)-1 (Stage-1) b)-2 (Stage-1) b)-2 (c)-1 c)-1 c)-3 (c)-4 (c)-4	Water Level r Temp. r level at start on ation start time ation start time	•				ł						
Chhu A)-2 Lower Tank b)-1 (Stage-1) b)-2 (c)-1 c)-1 c)-3 c)-3 Lower Pump c)-5	r Tcmp. r level at start r level at end ion ation start time ation start time			*****	Ξ		- E	<b>W</b>	•	<b>.</b>	• .	E   -
Lower Tank b)-1 (Stage-1) b)-2 c)-1 c)-2 c)-3 Lower Pump c)-5	r level at start r level at cnd on ation start time ation start time	16 - c			, , ,	•			•	, ,	F	<b>,</b>
	r level at end ion ation start time utive flow nuter at start	0.10 - m	0.10	~	8	•	m	<b>W</b>		<b>E</b>	1	
	ion start time ation start time ative flow noter at start	1.90 - m	m		- m		m	- m		-		8 ,
	ation start time utive flow meter at start	P3	٤d						i · į		:	
	utive flow meter at start	7:55	13:36									
	ſ	10335.5	10499.5 0.0	10598.5	0.0	0.0 0.0	0.0	0.0	0.0	0.0	00	0.0
	Suction Pressure	4.5	4.5									F
ľ	Delivery Pressure	22.0	22.0	1		-		: 1		l		
c)-6 Ampere		33.0	36.0				-					1
c)-7 Voltage	50	400.0	100.00						1		:	
c)-8 Bcari	Bearing Temp.		35.0					1				
í.	Stuffing box Temp.	30.0	30.0					- -				
c)-10 Oper	c)-10 Operation end time	. 87:8	14:30			-					;	
c)-11 Cumul	C)-[1] Cumulative flaw mater at end	10499.5	10598.5									
d) Remark	ark.		and the second									
		(i Adjustme	1 Adjustment of leakage from joints.	m joints.	- 1. - 1. - 1.		Note:				•	
	Monthly	() Examinat	() Examination and exchange of oil	s of oil.	- - 	· ·				į	·	
		[] Check of	of shafts temperature.	5								
	6 Monthly	Check and	and adjustment of shafts center.	shafts cente	Ë							
	-	Check of	of vibration and noise.	ixe.		-						
c) Maintenance			of shaft sleeve and exchange of grand packing,	exchange of	grand par	cking.		×				
•	Ycarly	Check and	and exchange of mechanical-seals.	schanical-se	als							
• • •	· · · ·	Exchange	1 Exchange of oil for bearing shaft,	g shaft.			· .					
		[   Overhaul	(   Overhaul and exchange O-ring, Gasket, V-ring, and others.	-ring, Gask	et. V-ring	, and others.						
	2 Years	1 Check of	of wearing at revolving part.	ving part.	:	·		·				
		1 Check of	<sup>1</sup> Check of inside casing.									
		1 Adjustme	ment of all the other parts.	r parts.								

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Civil Monitoring Sheet

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Operation		1st operation	ation	2nd operation	'ation	3th operation	1 (MII)	+(h operation	101	Denado Inc.	11001				
Pump No.	and the second second second second	I'NN	No.2	Ne.1	No.2	No.1	Nu.2	No.1	Na:2	No.1	Na.2	24.1	740	10.1	
	LIG down	P1PJ									-				
	Stuff	\$						-		· ·		_			
3) Slide pump	Start time	7:00													
Setup time	l'ind time	7:21													
	Total time	0:21	0:00	0,00	()÷()	0:00	0;00	0:00	0:00	0:00	0-0	00-0	8050		1010
	Lift up "2			lJ<*fd											
	N.L.Y.			\$											
	Sturt Low			14:22											
	Find time			15:13											
	I otal time	0:00	0110	11-11-11-11-11-11-11-11-11-11-11-11-11-	00-00	0:00	0:00	0:00	0:00	0:00	0:00	00:0	6:00	0:00	÷
1	1.4ft down-														
5) Floater	Stuff	9				_		:							
Cottan Lines	Store time	7:21								-					
	It we have	7.13				1	-								
		0-22	0:00	(H)-0	0450	0:00	90:0	0:00	0:00	0:00	0:00	0:00	(12(34)	0:00	9950
				R.>T					:						2
	Staff														
	Start time			15:04										1	
	I'nd time			15:32	<u> </u>	1									- 4
	Total time	0:00	0:0	0+2%		00:0	0:00	0:00	0:00	0 <sup>1</sup> 00	0:00	0:00	0200	00:0	8
	l'ipe length	6.00	 												
() Filling water	Start time	7:43													•
Setup time	1 <sup>th</sup> nd time	8:26	1				-		· · · · · · · · · · · · · · · · · · ·	-	: :				-
	Total time	6:0	00:0	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00	-(H)-0	6-01	165/4	145-66
	Start time	×:27										ا	:		
Driven-time	Ford time	9:21													1444
•	Total time	. <b>55</b> °0.	00:0	0:00	61:40	0:00	0-00	- 0010	0:00	0:00		0-CO	01-0	amin	
Cumulative	The Is M.	9.8921		0'9171											· .
Ampere motor	Nt end	1416.0													
. •	Total time	17.4	0.0	-1116.0	0.0	0.0	0.0	0,0	0.0	0.0	6.1		0.0		
NNV1 (0	Valve	. Open		()pen											
				- Kuinv	1. A 1997 A 1977 A 1977 A 1977 A 1977 A 1								-		

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•2 Recarded position to position ( Example : P4-2P3.) •3 Recarded position to position ( Example : T-2K Top af bank to River, M-2R Middle of bank to River ) •

•4 Recorded position to position ( Example : R->7 Kiver to 7 up of bank, R->7 Over to Middle of bank )

			1st operation	2nd operation	3rd operation	4th operation	ration	Sth operation	eration	6th operation	ration	7th or	7th operation
			No.1 No.2	No.1 No.2	No.1 No.2	No.1 N	No.2	No.1	No.2	N0.1 N	No.2	No.1	No.2
a) Chang	1-(=	River Water Level	m - 9.9611	<b>w</b>			- WI	-		•		•	E
Chhu	<b>7-7</b>	Water Temp.	15 - °c	<b>.</b>	<b>9</b>		- -		<b>.</b>	-	C C	•	
b) Lower Tank b)-1	nk b)-I	Water level at start	0.10 - m	<b>u</b> •	m -		н ч		. m		u -		е •
(Stage-1)	<b>b)-2</b>	b)-2 Water level at end	m - 06.1		<b>.</b>	-	н н						•
	<u>5</u>	Position	54										
	c)-2	Operation start time	8.27										
	(c)-3	Cumutative New meter at start	1059X.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7	Suction Pressure	5.0					   · ·					
c) Lower Pump c)-5	mp c)-S	Delivery Pressure	22.0										
	; )-e		34.0						: ; ;	• • •			•
	c)-7		100.00										
	() ()	1 -	36.0										
	6-0	1	30.0										•
	c)-1(	c)-10 Operation end time	9:21			 							
•	()-1]	C)-11 Cumulative flow mater at end	10735.5										
ر ب		Remark						-					
			1.1 Adjustme	1.2 Adjustment of feakage from joints.	joints.			Note:					
		Monthly	Examinat	Examination and exchange of oil.	of oil.								
			1.) Check of a	k of shufts temperature.	· · · · · · · · · · · · · · · · · · ·			:					
	: 	6 Monthly	Check and	k and adjustment of shafts center.	bafts center.								
			Check of v	k of vibration and noise.	Ĵ								
c) Maintenance	nce	A the second	U Check of	U Check of shaft sleeve and exchange of grand packing	schange of grand	packing	<u></u>						
		Yearly		k and exchange of mechanical-wals	hanical-veals.								·
			Exchange	Exchange of oil for bearing shaft.	shaft.			•					
			C) Overhaul	C) Overhaul and exchange O-ring, Gasket, V-ring, and others,	ing. Gasket, V-ri	ng, and of	hcry.						
· ·		2. Years	Check of	k of wearing at revolving part.	חע מאת.				•				:
			Check of	sk of inside casing.		•							
	-		I A discension	i kulturkan ada ili ala ada ana ana a									

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**Civil Monitoring Sheet** 

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	1) (Speration		1st operation	ration -	2nd operation	ution.	3th operation	ation	Ath operation	ation	5th operation	ation	6th operation	uoi)#.	7th eneration	ation
International         Party         Nact	•															
	- 1		Jur.	Z-NA	79.1	Ne.2	1 -#N	N4.2	Ne. I	77.2	Ze.J	Ne.2	Nurl	Na.2	Ne.1	Ne.N
Neurily in the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second		1.4ft down *	£1~14				1									
000         Northine $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ $1.2$ <		New	6													
Protection         T.S.M         Open         Geod		Start line			-											.
Matrix         Color         Color <t< td=""><td></td><td></td><td>1</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>			1													
Itati inter         CSC         Enter         Cata	Seals denos															
		Lotal time		0:00	0:00	0:00	0;00	0:00	0:00		0:00	0:00	0:00	0:00	0150	0020
Nett         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0					P3->P1							-				
Nerticus         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5         164.5		Nun			9	. v										
		Start time			16:45											
Italiant         Geno		Find time			17:12										**	
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	·	Total time	04050	0:0	0:27	0440	0:00	0:00		0.00	0:00		00:0	00:0	0:00	0:00
Neutrine         6         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1<		1.2ft down=3	÷													
Functione         7.3.9         Final France         7.3.3         7.3.3         Final France         Final Frande	Ploater .	Nun K				• • • • •										
(virtue         (virtue <t< td=""><td>Solup time</td><td>-</td><td>7:34</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	Solup time	-	7:34													
		Find time	<b>X:</b> 03													
Life for         Root				0-00	0:00	0:00	0:00		000	0.00	0070	0100	00-0	010	- 94 <u>-</u> 0	00:0
Start         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6         6 <td></td> <td>Laft up -4</td> <td></td> <td></td> <td>R-&gt;T</td> <td></td> <td></td> <td></td> <td>2</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		Laft up -4			R->T				2							
		NewFF			9	~										
		Ntart time			17:13		:									
Total time         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10         0:10		Find time			17:42											
Pipe length         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00         6.00	:	Total time	0:00	0-01	0:29	0:00	0:00	0:00	0:00	0:00	0:00	00:0	0:00	020	67(M)	0:00
value         Start time         8:03         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00         0:00		Pipe length	{····6,00) ·		00'9			-								
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\*1: Recorded position to position ( Kxample : [11-2]2.)
 \*2: Recorded position to position ( Kxample : [14-2]2.)
 \*3: Recorded position to position ( Kxample : [7-2K Top of hank to River M-2R Middle of hank to River M-2

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E Ê ÷ 7th operation 0.0 No.2 0.0 Zo.1 5th operation 6th operation Ξ .0 Ξ ā 0.0 No.2 0.0 No.1 , ã ... E, E 00 No.2 0.0 No.1 Note E 2 E, E 4th operation 0.0 1 Overhaul and exchange O-ring, Gasket, V-ring, and others. No.2 Check of shaft sleeve and exchange of grand packing. No.1 0.0 Ξ **~**0 E Ξ 3rd operation 0.0 N0.2 <sup>11</sup> Check and exchange of mechanical-scals. Check and adjustment of shufts center. Check of wearing at revolving part. Adjustment of leakage from joints. \$.46X01 No.1 Exchange of oil for bearing shaft. Examination and exchange of oil. TAdjustment of all the other parts. Check of vibration and noise. LI Check of shafts temperature. - m 2nd operation , o H 0.0 No.2 Check of inside casing. 14:05 10735.5 15:04 400.0 No.1 m 1196.5 22.0 33.0 35.0 10894.5 m 0.10 m 1.90 5 2 1 ų st operation ------No.2 10735.5 Rainv 10735.5 No.1 c)-3 Cumulative flaw meter at start c)-11 Cumutative flow mater at end Operation start time c)-10 Operation end time Lower Tank [b)-1 [Water level at start River Water Level Stuffing box Temp. b)-2 Water level at end Delivery Pressure Suction Pressure 6 Monthly Monthly Bearing Temp. 2 Years Ycarly Water Temp. Remark Position c)-6 Ampere Voltage 8/26/95 . <u>5</u>-7 ż <u>و-</u> 5 × • i i c) Lower Pump c)-5 5 c) Maintenance Date : (Stare-1) Chang Chhu a  $\mathfrak{T}$ 

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**Civil Monitoring Sheet** 

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10) Remark		A 11-11-11-11-11-1		. Iteins											
	- 1 Recorded p	wition to post	ition ( Examp	ale : 14-212 )											
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"3 Recorded position to position ( Example : T->R. Top of bank to River, M->R Middle of hank to River )

\*4 Recorded position to position ( Example : R->T River to Top of hank, R->T River to Middle of hank)

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$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$				1st operation	2nd oper	operation	<b>3rd operation</b>		4th operation	ation	5th op	5th operation	6th op	6th operation		7th operation
By1       River Water Level       1963       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n       n <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>No.1 No.2</th> <th></th> <th><u>}</u></th> <th>0.2</th> <th>No.1</th> <th>No.2</th> <th>No.1</th> <th>No.2</th> <th>No. I</th> <th>N0.2</th>							No.1 No.2		<u>}</u>	0.2	No.1	No.2	No.1	No.2	No. I	N0.2
9.2       Water Temp.       15 $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ $c_2$ <	a) Chang	a)-1	River Water Level			- 	•	- 6		- m		- m		<sup>#</sup>	, , ,	6
Db1         Water feet at start         0.04         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m <th>Chhu</th> <th>a)-2</th> <th>Water Temp.</th> <th>• • •</th> <th></th> <th>- 2</th> <th></th> <th>  .   .</th> <th></th> <th>, ,</th> <th></th> <th>່ວ. -</th> <th>•</th> <th></th> <th></th> <th>0.</th>	Chhu	a)-2	Water Temp.	• • •		- 2		.   .		, ,		່ວ. -	•			0.
by.2         Watter level at end         190         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m <th>(b) Lower Tank</th> <th>k [b)-1</th> <th>Water level at start</th> <th>•</th> <th></th> <th>E.</th> <th></th> <th>ã</th> <th>   -</th> <th>8</th> <th></th> <th>m .</th> <th></th> <th>а ,</th> <th>=</th> <th>-</th>	(b) Lower Tank	k [b)-1	Water level at start	•		E.		ã	  -	8		m .		а ,	=	-
C+1       Position       P1	(Stare-1)		Water level at end	2				ן ב				- B				
Circle Constraint interactions start fine.       719       000       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0		1.	Position	Id		<b>}</b> — 			   .							
Cy3     Cumulative framewore scare     (103.46)     (104.64)     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0     (0.0)     (0.0)     (0.0) <th< td=""><th></th><th></th><th><b>Operation</b> start time</th><td>7:19</td><td></td><td></td><td></td><td><u>;</u> ; ;</td><td>   </td><td></td><td></td><td></td><td>1</td><td></td><td></td><td>† }</td></th<>			<b>Operation</b> start time	7:19				<u>;</u> ; ;	 				1			† }
<ul> <li>c)-4 Suction Pressure</li> <li>c)-5 Delivery Pressure</li> <li>c)-6 Ampere</li> <li>c)-7 Voltage</li> <li>c)-7 Voltage</li> <li>d)00.0</li> <li>c)-8 Bearing Temp.</li> <li>c)-9 Stuffing box Temp.</li> <li>c)-9 Stuffing box Temp.</li> <li>c)-10 Operation end time</li> <li>d)00.0</li> <li>c)-11 Community</li> <li>c)-10 Operation end time</li> <li>d)00.0</li> <li>c)-11 Community</li> <li>c)-11 Community</li> <li>c)-11 Community</li> <li>c)-11 Community</li> <li>c)-11 Community</li> <li>c)-11 Community</li> <li>c)-12 Operation</li> <li>d)10000</li> <lid>d)100000 <lid>d)10000 <lid>d)100000 <lid)10000< li=""> <li< td=""><th></th><th></th><th>Cumulative flow noter at start</th><td>10894.5</td><td>6'81'011</td><td>0'0</td><td></td><td>0</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td></li<></lid)10000<></lid></lid></lid></ul>			Cumulative flow noter at start	10894.5	6'81'011	0'0		0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
c)-5       Delivery Pressure       22.0         c)-6       Ampere       32.0-         c)-7       Voltage       400.0         c)-8       Bearing Temp.       30.0         c)-9       Stuffing box. Temp.       29.0         c)-10       Operation end time       31.9         c)-11       Commative from matter at end       1103.0         C)-111       Commative from matter at end       1103.0         Adjustment of leakage from joints.       Industrie from nuclear at end       1103.0         Adjustment of leakage from joints.       Industrie from nuclear at end       Industrie from nuclear at end         Xemark       Industrie of shafts temperature.       6 Monthly       Industrie of shafts temperature.         6       Monthly       Industrie of shaft steeve and exchange of end.       Industrie.         Yearty       Industrien and noise.       Industrien and cose.         Yearty       Index of shaft steeve and exchange of grand packing.         Yearty       Index of shaft steeve and exchange of grand packing.         Yearty       Index of on the ring shaft.         2       Years       Index of on the ring at revolving part.         1       Index of niside casing.       Index of niside casing.         1       Index		7	Suction Pressure	5.5				   .			[					
c)-6     Ampere     32.0-       c)-7     Voltage     400.0       c)-8     Bezring Temp.     30.0       c)-9     Stuffing box Temp.     30.0       c)-10     Operation end time     8:19       c)-11     Cumulative flow mater at all 1038.9     Rainy       Remark     I1038.9     Rainy       Monthly     U. Examination and exchange of oil.       Fearing     6 Monthly     U. Examination and silestment of shafts center.       f     Check of shafts temperature.       f     Check of shafts te	c) Lower Pum	1p c)-5	Delivery Pressure	22.0	: 			   								•
c)-7       Voltage       400.0         c)-8       Bearing Temp.       30.0         c)-9       Stuffing box. Temp.       29.0         c)-10       Operation end time       8:19         c)-11       Camark       Rainy         Remark       L       Adjustment of leakage from joints.         Monthly       U Examination and exchange of oil.         Fearly       U Examination and dijustment of shafts center.         6       Monthly         1       Check of shaft stemperature.         1       Check and adjustment of shafts center.         Yearly       1         Yearly       1         Yearly       1         Years       1         Years       1         Overhange of oil for bearing shaft.         1       1         Exchange of oil for bearing shaft.         1       Overhange of oil for bearing.         2       Years         1       Adjustment of all the other parts.		c)-(s	Ampere	32.0		•		-								
c)-8     Bearing Temp.     30.0       c)-9     Stuffing box Temp.     29.0       c)-10     Operation end time     8:19       c)-11     Cumulative from mater at end     1100.8.0       Monthly     L     Adjustment of leakage from joints.       Monthly     L     Examination and exchange of oil.       Fermark     I     Adjustment of shafts temperature.       6     Monthly     L     Examination and exchange of oil.       1     Check of shafts temperature.     1       6     Monthly     I     Examination and noise.       7     Check of shafts temperature.     1       6     Monthly     I     Exchange of oil.       7     Check of shafts temperature.     1       6     Monthly     I     Exchange of oil.       1     Check of shaft steeve and exchange of shaft.     1       2     Yearly     I     Exchange of oil fur bearing shaft.       1     Overhauf and exchange of oil fur bearing shaft.     1       2     Yearly     I     1       1     Check of fuside casing.     1		c-2	Voltage	400.0											-	*
c)-9       Stuffing box Temp.       29,0         c)-10       Operation end time       8:19         c)-11       Cumulative from and time       8:19         Remark       I1033,0       Rainy         Remark       I1034,0       Rainy         Remark       Intervented       11034,0         Remark       Intervented       Rainy         Remark       Intervented       Rainy         Monthly       Intervented       Rainy         Monthly       Intervented       Rainy         Konthly       Intervented       Rainy         Konthy       Interve			Bearing Temp.	30.0											; ;	
c)-10       Operation cnd time       8:19         c)-11       Cumulative fluw marter at end       1103.8.9         Remark       1103.8.9       Rainw         Monthly       U       Adjustment of leakage from joints.         Monthly       U       Examination and exchange of oil.         Fearly       Check of shafts temperature.         6       Monthly       U         7       Check of shafts temperature.         7       Check of shaft steeve and exchange of oil.         7       Check of shaft steeve and exchange of grand packing.         7       Check of shaft steeve and exchange of grand packing.         7       Check of shaft steeve and exchange of grand packing.         7       Check of shaft steeve and exchange of grand packing.         7       Overhauf and exchange of nil for bearing shaft.         1       Check of wearing at revolving part.         2       Years       U         1       Check of mode casing.		c-()	Stuffing box Temp.	- 29.0-												
C)-11 Cumutative flow matter at end     11033.9       Remark     [] Adjustment of leakage from joints.       Monthly     [] Examination and exchange of oil.       6 Monthly     [] Examination and exchange of oil.       1 Check of shafts temperature.     [] Check and adjustment of shafts center.       7 Carly     [] Check of shaft sleeve and exchange of grand packing.       Yearly     [] Check of shaft sleeve and exchange of grand packing.       2 Years     [] Overhauf and cochange of mechanical-seals.       1 Check of wearing at revolving part.     [] Check of wearing at revolving part.		c)-10	Operation end time	8:19				-		-						
Remark     Rainw       Monthly     U Adjustment of leakage from joints.       Monthly     U Examination and exchange of oil.       Monthly     U Examination and exchange of oil.       6 Monthly     U Examination and cochange of oil.       1 Check of shafts temperature.     1 Check and adjustment of shafts center.       Yearly     1 Check and adjustment of shafts center.       Yearly     1 Check and exchange of mechanical-seals.       2 Years     1 Overhaul and exchange of mechanical-seals.       2 Years     1 Check of wearing at revolving part.       1 Check of inside casing.     1 Check of inside casing.		c)-11	Cumulative flow muter at end	1:0.18.9				  						***	• •	<b>1</b>
Image: Control of Control of Control of Control of Control of Control of Control of Shafts contert.         Monthly       Image: Control of Control of Shafts contert.         Monthly       Image: Control of Control of Shafts contert.         Monthly       Image: Control of Control of Shafts contert.         Image: Control of Control of Shafts contert.       Image: Control of Shafts contert.         Image: Control of Control of Shafts contert.       Image: Control of Shafts contert.         Image: Control of Control of Shafts contert.       Image: Control of Shafts contert.         Image: Control of Control of Shafts contert.       Image: Control of Shafts contert.         Image: Control of Control of Control of Shafts.       Image: Control of Shafts contert.         Image: Control of Control of Shafts contert.       Image: Control of Shafts contert.         Image: Control of Control of Shafts contert.       Image: Control of Shafts contert.         Image: Contert of Shafts contert.       Image: Contert.         Image: Contert of Shafts contert.       Image: Contert.         Image: Contert of Shafts contert.       Image: Contert.         Image: Contert of Shafts contert.       Image: Contert.         Image: Contert of Shafts contert.       Image: Contert.         Image: Contert of Contert.       Image: Contert.         Image: Contert of Shaftsect.       Image: Contert.	d)		Remark		Raim			-								
Monthly 6 Monthly Yearly 2 Years		· ·		Cl Adjustme	int of leaka	ge from j	joints.			() <del></del>	Note:					
6 Monthly Yearly 2 Years			Monthly	LJ Examina	tion and ex-	change of	foil.									
6 Monthly Yearty 2 Years				Check of	shafts tem	perature.										
Yearly 2 Years			6 Monthly	Check at	id adjustme	nt of shi	afts center.					1				
Yearty 2 Years			-	1 Check of	vibration a	ind noise.	:									
	c) Maintenanc	3		Check of	shaft sleev	e and exe	hange of gr.	and pat	sking.							
	****		Ycarly	Check an	id exchange	: of mech	anical-seats	•								
	:	· · · ·	1	Exchange	t of oil for l	bearing st	haft.									
				[] Overhau	and excha	nge O-rii	ng. Casket.	V-ring.	and oth	ers.	:					
<sup>1</sup> Check of inside casing.			2 Years	LI Check of	wearing at	revolvin	g part:	• •								
1 Adjustment of all the other parts.				1:Check of	inside casi	겁										
				1 Adjustme	ent of all th	c other p	arts.									

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**Civil Monitoring Sheet** 

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Dute :	X/30/95														
1) Operation		1st operation	noite.	Znd operation	ration	<b>3th operation</b>	tion	4th operation	ıtion	Sth operation	U04) #.	6th operation	'ation	7th operation	ય દિલ્ભા
2) Pump No.		, I ON .	No.2	No.1	N4.2	Na.1	No.2	No.I.	Net.2.	Na.1	No.2	No.1	Na.2	Na.1	Ne.2
	[ Jift down * <sup>1</sup>	E1~14													
	Staff	9													
3) Slide pump	Start time	*1:4				, ,									
Sotup time	Find time	1.50	:								-				
	Total time	0.32	00:0	0:00	0:00	0-00	0:00	0:00	0:00	0-0200	00-00	0:00	0:01	0:00	0:00
	Lift up "2		-	- 1'1<-2'1		•									
	Ntaff			9				- - 					-		
	Start time			()† -9]		   									
	1:nd time			17:05										*	
	Total time	00:0	0:00	0:25	0.9	00:0	0:00	0-00	000	0:00	0:00	0050	04-00	0:00	0;00
	Lift down"?	R1													
5) Floater	L*3	9							•						
Setup tine	Start time	- 7:31													
	I'nd time	\$:05										1			
	Total time	0:34	0:00	0-iK	0:00	0:00	00:0	0:M	00:0	0,00	00:0	0-00	00:0	0:00	0:00
	Lift up		:	R->T	-										
	Near			9											
	Ntart time			17:06		2 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.								•	
	End time			17.39											
	Total time	0:04)	0:00	0:33	0:00	0:00	1 1 1	0:00	0:00	00:0		0:00	0:00	0-00-0	0150
	l'ipe length	an 14,00° a		1017										•	
6) Hilling water	Start line	¥:(){9		0:00										:	
Sutur time	End time	46:%		0:00										:	
	Total tine:	0:28	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0:(N)	0054	64°0	0070
7)	Start time	8:35	-	P[:F]											
	Find time			15:08											
	l'otal tinu	65:0	0:00	15:0	0:00		00:0	0:00	();())	0460	- 00-0	0:00	()())	0:00	040
s) Cumutative	Mi start	1454,8		5-5751				- 2							
Ampere meter	.N chd	1473.5		£1641											
	Fotal time	1X.7	1 0.0	. 17.8-	0.0	0.0	0'0	0,0	0.0	0,0	0.0	0.0	0.0	0,0	0.0
) TANK	Valve	- Open		a data a mara d									- <b>+</b>		
10) Rumark															

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Accorded position to position (Example : 19->92.)
 \*2 Recorded position to position (Example : F4->73.)

\*3 Recorded position to position ( Example : T->R Top of bank to River, M.>R Middle of bank (o River )

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R Q	Date :		\$\30/95	and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second se	a second and the second second second second second second second second second second second second second se						· .					
				1st operati	ion 2nd	2nd operation	3rd o	<b>3rd operation</b>	4th of	4th operation	Sth of	5th operation	6th o	6th operation		7th operation
	•			No.1 No.2	No.1	I No.2	No.1	No.2	No.1	No.2	No.1	No.2	No.1	No.2	No.1	No.2
a) Chang			River Water Level		m 1196.5	5 - m			•				•	•	- -	8
Chhu		<u>а)-2</u>	Water Temp.	- 91	°c	16 - °c	•	- °c		- °C		- <sup>-</sup> C	•	ວ. -	•	۔ °د
b) Lower	Tank	P-1		0.10	m 0.10	ы - 0				<b>u</b> -		- w			1	
(Stage-1)	e-1) [	P-7-4	b)-2 Water level at end	- 06.1	m 1.90	u - 0		- nı		- m		m		-		
		÷.		P3	F3											
مخادرتهم	•	c)-2	Operation start time	8:35	14:14	-1										
rstar Wr		5.3	Comulative flow meter at start	1038.9	11174.9	0.0	11311.9	0.0	0.0	0.0	0.0	0.0	00	0.0	00	0.0
-	1.	7	Suction Pressure	3.5	0.1											1
c) Lower Pump c)-S	r Pump (	c)-S		22.0	22.0									-	1	-
- 		c)-6	Ampere	35.0	35.0	)										
		c)-7	Voltage	0.004	400.0	0				, ,						
•			Bearing Temp.	36.0	36.0											
		6-0	Stuffing box Temp.	30.0	30.0							1				· .
	<u>ب</u>	c)-10	c)-10 Operation end time	9:34	-15:08	18(										
	<u>ن</u> ن	C-11	C)-11 Cumulative flow nuter at end	11174.9	0.11511	6.1		-								
- (P		ľ	Remark						•						_	
				uįpy (1)	stment of	L <sup>J</sup> Adjustment of leakage from joints	n joints				Note:					
			Monthly	C) Exan	inution a	C Examination and exchange of oil	of oil.	· · ·	.:						:	
			· · · · · · · · · · · · · · · · · · ·	Chec	k of shaft	Check of shafts temperature.	<u>ب</u>			:	:					
	<b>d</b>	<b>!</b>	6 Monthly		k and adj	-1.1 Check and adjustment of shafts center.	shafts c	cnter.								
				Chec	k of vibra	<sup>1</sup> Check of vibration and noise.	y.									
c) Maintenance	tenance	: :		Chec	k of shaft	Check of shaft sleeve and exchange of grand packing.	schang	te of grand	packing							
			Yearly	Chee	k and exc	1 Check and exchange of mechanical-scals.	chanic	al-scals.								
				Exch	ange of oi	Exchange of oil for bearing shaft.	ç shaft.									
				1 Over	haul and	1 Overhaut and exchange O-ring, Gasket, V-ring, and others.	ring, G	asket. V-r	ing, and	others.	:					·
-,			2 Years	Chec	k of wear	1) Check of wearing at revolving part.	ing gui	ť								
				Chee	Check of inside casing.	e casing.										
				. ⊡Adju	stment of	11 Adjustment of all the other parts.	- parts			* - 						

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**Civil Monitoring Sheet** 

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ç		ISI OPOT'S GOIL	119434	<u>e</u> -l	cration	sta operation	tiun	4th operation	a (2013	TONETSOO AIC		Oth operation	VION	7th operation	Itten
ç	 - 	No.1	H oZ	Na.1	No.2	No.1	- Na.2 -	Na.1	No.2	No.1	Zurz	No.1 .	Net	Na, I	Z6.1
	T 100 channes of	P1.>P3					**								
1.22		,			The state of the second										•.
		, e		11 A.M. 1 A.M.			-								
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Sectup time 1,nd	ind time	7:31			1									- 4	
Tot	fotal time	0:31	0:00	(H)÷()	0:00	0:00	0:00	0010	0.00	0:00	80:0	149-20	00:0	01:0	1111
1	Lift up "2			P3->P1					: .	-					
	   			9											
	Mart Linne			16:49											
	Portiers			17:15											
	Fotal time	0:00	0:00	0:26	0.00	00:0	0.00	0:00	0:00	0:00	0:00	0:00	0:00	0:00	0440
Jri	Lift down"	.T.>K									-				
S) Floater Sta	5117	9										-			
n time	me	7:31		• •				1							
	•	7:45								_					- - - •
1.1		11:0	0050	0200	(1 - C)	00 0	0.00	0:00	0:00	0:00	- 0110 -	0:00	0:00	0:00	0050
13	Lift up "			R.>T											
<u>] ₹</u>	Stuff			e											
1 N	Start time			17-15											•
<u>.</u>	id time			1X.00											
12	Total time	10-51	0:00	St:0	0:00	0-00	0:00	0:00	0:00	(H)÷0	00-0	0:00	02(0)	0:00	0:00
	Pipe length	2.00		1											
6) Filling water Sta	Start time	. 5752												•	
Solup time	End time	<b>6</b>											-		
1	Total time	51:0	0:10			0.460	0;(X)	(10)-10	0500	0:00	0;0	(H) 0	0 <sup>:</sup> 1K)	41-141	00:00
	Start time	, X:01		and a second of		-									
Driven time Ita	I nd tinw	- 20-6		and the second second second second second second second second second second second second second second second	÷		Ċ.								-
	Total time	1.41	0:00	();()()	0:00	()-(K)	0-040	0:60	0.00	0.00	0:00	02-01	0:0	0:00	00-0
8) Cumulative -M	At start	·		tar rate a tribing							•				
Ampere meter .M	.Ni end	1511.6													
	T'otal time	211.5	0.0	0.0	0.0	0.0	0.0	0'0	0'0	0'0	0.0	0.0 0	0.0	ŧ;	110
9) TANK V	Valve 11	Open													
to) kemark	Sector Sec. 1			Kainy											

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•2 Recorded position to position ( Exomple : 1'4-2'3 ) •3 Recorded position to position ( Example : T.-S. Top of bank to River, M.-SR Middle of bank to River )

a structure of marketine of the structure of the state of

Date : 8/31/5

It change         Description         End operation         End operation         End operation         Full No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1         No.1 <t< th=""><th></th><th>Date :</th><th>1</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th>┢</th><th></th><th></th></t<>		Date :	1													┢		
Charg         J>1         Riter Water Level         No.1         No.2         No.1 <th></th> <th></th> <th></th> <th></th> <th>1st operation</th> <th>2nd opc</th> <th>ration</th> <th>3rd op</th> <th>eration</th> <th>4th o</th> <th>peration</th> <th>5th o</th> <th>peration</th> <th>6th c</th> <th>operation</th> <th>-+</th> <th>1 0001</th> <th>ation</th>					1st operation	2nd opc	ration	3rd op	eration	4th o	peration	5th o	peration	6th c	operation	-+	1 0001	ation
Change         [2:1]         State: Water: Lood         [1963         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n </th <th></th> <th>-</th> <th></th> <th></th> <th>No.1 No.2</th> <th></th> <th>Vo.2</th> <th>No.1</th> <th>No.2<sup>-</sup></th> <th>No.1</th> <th>N0.2</th> <th>No. 1</th> <th>No.2</th> <th>Na.1</th> <th>No.2</th> <th>2</th> <th></th> <th>2.0</th>		-			No.1 No.2		Vo.2	No.1	No.2 <sup>-</sup>	No.1	N0.2	No. 1	No.2	Na.1	No.2	2		2.0
Apple         Apple         Chan         Apple         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M         M		Chang	<u>a)-1</u>		•		- - -					ŧ,	•	•	•	-	•	8
Lower Trank         Dyl         Water ferei at start.         0.10         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n         n		Chhu	a)-2	Water Temp.	•	) 	- 2		<b>.</b>		ວ <b>ູ</b>		<b>5</b>		•	' 2		• •
Water level at celd     1 90     n     n     n     n     n     n       Position     P3     Position     P3     Position     P3     Position     P3       Position     P3     Position     P3     Position     P3     Position     P3       Constant of mater start     1311     11571.9     0.0     0.0     0.0     0.0     0.0       Section Pressure     2.0     Position     2.0     Position     P0     P0       Differsy Pressure     2.0     Position     Position     P0     P0     P0       Differsy Pressure     2.0     Position     Position     Position     P0     P0       Differsy Pressure     2.0     Position     Position     Position     Position     Position       Differsy Pressure     2.0     Position     Position     Position     Position     Position       Adjustment of staffs for and soits.     I. Check of adjustment of shaft secret scales     Note:     Position     Position       Monthly     I. Examination and cochange of read packing.     Position     Position     Position       Yearty     I. Check of adjustment of shaft secret scales     Position     Position     Position       Yearty     I. Check of adit sec	<u> </u>	Luwer Tank	1-(q	Water level at start	0.10		E		8		E -				1	Ē	:	E .
Position         P3         Position         P3           Operation start time:         801         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00         00		(Stage-1)	1-7-	Water level at end	- 06		<b>m</b> -						- -		•	æ	ŀ	
Operation start time         %01         11/371.9         11/371.9         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0			<u></u>								-			; ;			<del>-</del> 	
Commutator fram meter arear         1131.9         1137.10         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         <			5-7-		1									1	1		•.	
Suction Pressure 4.0 Delivery Pressure 23.0 Notrage 23.0 Notrage 35.0 Stuffing box Temp. 35.0 Stuffing box Temp. 36.0 Stuffing box Temp. 36.0 Monthly 11-4 Remark Monthly 11-4 Remark Monthly 11-4 Remark 11-4 Monthly 11-5 Remark 0 Monthly 11-5 Remark 0 Note: 11-4 Monthly 11-5 Remark 0 Remark 0 Note: 11-4 Monthly 11-5 Remark 0 Note: 11-4 Note: 11-4 Note: 11-5 Note:			c)-3	· .	11311.9	0.17411	0,0	0.0	0.0	0.0		0.0		0				0.0
Delivery Pressure     22.0       Ampere     35.0       Ampere     35.0       Numpere     35.0       Stuffing hox Temp.     36.0       Bearing Temp.     36.0       Stuffing hox Temp.     36.0       Stuffing hox Temp.     30.0       Operation cad time     9.02       Operation and cocharge of oil.     Note:       Remark     Ucheck of shafts temperature.       6 Monthly     Ucheck of shafts temperature.       1 Check of shaft steeve and exchange of oil.     Note:       1 Check of shaft steeve and exchange of frand patking.       1 Check of shaft steeve and exchange of frand patking.       1 Check of shaft steeve and exchange of reador parts.       2 Years     Ucheck of weating at revolving part.       1 Check of inside casing.       1 Check of inside casing.       1 Check of inside casing.			Ĵ	Suction Pressure	0.4					:			1					
O-6       Ampere       35.0       35.0         0-7       Voltage       400.0       400.0         0-8       Benring Temp.       36.0       400.0         0-9       Stuffing box Temp.       36.0       100.0         0-9       Stuffing box Temp.       36.0       100.0         0-10       Operation end time       9:02       No electricity         0-11       Cumark       No electricity       Not:         Remark       11471.9       No electricity       Not:         Romathly       U. Adjustment of leakage from joints.       Not:       Not:         Maintenance       6 Monthly       U. Check of shafts temperature.       Not:         Vearty       U. Check of shaft steeve and cxchange of 0il.       Not:         Yearty       U. Check of shaft steeve and cxchange of faraid packing.       Yearty         Yearty       U. Check of shaft steeve and cxchange of faraid steet.       Yearty         2 Years       U. Check of shaft steeve and cxchange of faraid packing.       Overside casing.         2 Years       U. Adjustment of all the other parts.       U. Adjustment of all the other parts.	ি	Lower Pump	5-() d	Delivery Pressure			• • • •									,		
O-7     Voltage     400.0       0-8     Bearring Temp.     36.0       0-9     Stuffing box Temp.     36.0       0-10     Operation end time     902       0-11     Canuarke flow mater at end     11471.0       0-11     Itamarke flow mater at end     11471.0       0-11     Canuarke flow mater at end     11471.0       0     Itamarke     No cicerticity       0     Beamarke     Itamarke flow mater at end       0     Itamarke     Itamarke flow mater at end       0     Adjustment of leakage from joints.     Note:       Maintenance     Itamarke     Itamination and exchange of oil.       Maintenance     Vearty     Itcheck of shaft stemperature.       Vearty     Itcheck of shaft stemperature.     Note:       1     Check of shaft stemperature.     Itcheck of shaft stemperature.       2     Yearts     Itcheck of shaft stemperature.       2     Vearty     Itcheck of shaft stemperature.       1     Check of shaft stemperature.     Itcheck of shaft stemperature.       2     Yearts     Itcheck of shaft stemperature.       1     Overhauge of oil for bearing shaft.     Itcheck of neside casing.       1     Overhauge of oil for bearing st revolving part.     Itcheck of inside casing.			9 C	Ampere				<u> </u>										1
O:8       Rearring Temp.       360       30.0         O:9       Stuffing box Temp.       30.0       1         O:10       Operation end time       9.02       1         C)-11       Cumark       1347.9       No ciccriticity       No         Remark       1       Adjustment of leakage from joints.       Note:         Monthly       1       Examination and exchange of oil.       Note:         Maintenance       Vearly       1       Check of shaft stemperature.       Note:         Maintenance       Yearly       1       Check of shaft stemperature.       Note:         2       Yearly       1       Check of shaft steeve and exchange of frand patching.       2         2       2       2       1       Check of shaft steeve and exchange of not.       1         1       Check of shaft steeve and exchange of not.       1       1       1         2       2       1       Check of shaft steeve and exchange of not.       1         1       1       Check of staft steeve and exchange of not.       1       1         2       2       1       1       1       1       1         1       1       1       1       1       1       1			c)-7	Voltage									•	-				
c)-9     Starffing box Temp.     30.0       c)-10     Operation end time     9:02       c)-11     Cumulative flow maler at end     11471.9       Remark     No ciscricity     No ciscricity       Remark     I Adjuxtment of leakage from joints.       Monthly     I Examination and exchange of oil.       Kaintenance     6 Monthly     I Check of shafts temperature.       Kaintenance     Vearty     I Check of shaft sleeve and exchange of grand packing.       Yearty     I Check of shaft sleeve and exchange of grand packing.       Yearty     I Check of vibration and noise.       2 Years     I Check of word exchange of mechanical-seals.       2 Years     I Check of word exchange of oil for bearing shaft.       I Check of word exchange of oil to earing and others.	Distanti		ۍ <del>د</del> ې													• : 		
c)-10     Operation end time     9:02       c)-11     Cumulative flow mater at end     11471.9       Remark     No electricity       Romthly     U. Examination and exchange of oil.       6     Monthly     U. Examination and exchange of oil.       6     Monthly     U. Examination and exchange of oil.       6     Monthly     U. Examination and exchange of oil.       7     Flock of shaft stemperature.       6     Monthly     U. Check of shaft stemperature.       7     Check of shaft stemperature.       7     U. Check of shaft stemperature.       7     U. Check of shaft stemperature.       7     U. Check of shaft steering and packing.       1     Overhauf and exchange of grand packing.       1     Overhauf and exchange of mechanical-scals.       2     U. Check of wearing at revolving part.       1     Check of wearing at revolving part.			c-()	i	30.0									:				
C)-11     Cumulative flow mater at end     11471.9     No eclectricity       Remark     Monthly     U Examination and exchange from joints.       Monthly     U Examination and exchange of oil.       Monthly     U Exemination and exchange of oil.       Maintenance     U Check of shafts temperature.       Yearly     U Check of shaft stemperature.       Yearly     U Check of shaft stemperature.       Yearly     U Check of shaft stemperature.       Yearly     U Check of shaft steve and exchange of grand packing.       Yearly     U Check of shaft steve and exchange of grand packing.       Yearly     U Check of wearing at revolving part.       2 Years     U Check of inside casing.       U Check of inside casing.     U Check of staft parts.	ciarat		c)-10	) Operation end time	9:02											į		
Remark     No electricity       Monthly     I Adjustment of leakage from joints.       Monthly     I Examination and exchange of oil.       Monthly     I Examination and exchange of oil.       Maintenance     I Check of shafts temperature.       Yearly     I Check of shaft sleeve and exchange of grand packing.       Maintenance     Yearly       Yearly     I Check of shaft sleeve and exchange of grand packing.       1 Check of shaft sleeve and exchange of grand packing.       2 Years     I Overhauf and exchange of oring, Gasket, V-ring, and others.       1 Check of wearing at revolving part.       1 Check of inside casing.		:	C)-11	Cumulative flow mater at end	11471.9					- - -	- -		-					
1       Adjustment of Icakage from joints.         Monthly       1         6       Monthly         1       Check of shafts temperature.         6       Monthly         1       Check of shafts temperature.         1       Check of vibration and noise.         1       Check of shaft sleeve and exchange of graod packing.         Yearly       1         1       Check of shaft sleeve and exchange of mechanical-seals.         1       Check of vibration and noise.         1       Check of shaft sleeve and exchange of mechanical-seals.         2       Yearty         2       Vering.         1       Check of wearing at revolving part.         1       Check of inside casing.         1       Adjustment of all the other parts.	S			Remark		No clectri	icity											
Monthly 6 Monthly Yearly 2 Years					mtsu[bA]ustm	ent of leak	age from	joints.				Notc			:			
6 Monthly Vcarly 2 Years	1			Monthly	Ll Examina	tion and c	хсһирс с	of oil.	•									
6 Monthly Ycarly 2 Years					Check of	shafts ten	aperature					1	· · ·					1
Ycarty 2 Years				6 Monthly	Check an	adjustm	ient of sh	nafts cer	nter.									
Ycarty 2 Years					1 Check of	vibration	and noise	۔ بر ا										:
•	0	Maintenanc			L1 Check of	shaft slee	ve and ex	change	of grand	packin								
	Collection and		<del>.</del>	Ycarly	-   Check an	ad exchany	te of mee	hanical	-scals.	- - -								
					Exchang	c of oil for	bearing	shaft.			•							
				F Artspiele Min Manual of the Anti- to the second second se Second second se	Overhau	I and exch	ange O-r	ing. Ca	sket, V-n	ันธ. มีน	d others.							
1 Check of inside casing. (1 Adjustment of all the other parts.				2 Years	Check of	wearing a	at revolvi	חצ משת.				<i>.</i>						
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