		PROJECT	Standby SRU & Additional Tanks IOCL Paradip Refinery		
		CLIENT	INDIAN OIL CORPORATION LIMITED		
QCP-MACHINERY INSTALLATION (MIXERS & AGITATORS)	Project No. 080557C001	Document No. 080557C-000-QCP-6850-005		Rev. No. 0	Page 1 of 2

QUALITY CONTROL PLAN

MACHINERY INSTALLATION (MIXERS & AGITATORS)

TYPE OF QUALITY CONTROL REPORT	CERTIFICATION EXTENT
CR 04	SINGLE REPORT FOR EACH ITEM

REFERENCE DOCUMENTS:



- 080557C-000-PP-805 Site Coordination & Communication Procedure.
- 080557C-000-PP-807 Material Receiving, Inspection, Handling, Storage & Preservation
- 080557C-000-PP-804 Specification for Positive Material Identification at Construction Site.
- 080557C-000-JSD-2200-001 Job Specification for Hot Insulation of Vessels, Piping and Equipment.
- 080557C-000-JSD-2200-002 Job Specification for Cold Insulation of Vessels, Piping and Equipment.
- 080557C-000-PP-820 Standard specification for inspection, flushing and testing of piping systems & Equipment.
- 080557C-000-JSC-0000-003 Standard specification for Erection of Equipment & Machinery.
- DRAWINGS

LEGENDA

H	=	HOLD (RFI required - Work stop for inspection)
W	=	WITNESS (RFI required)
WC	=	100 % SUPERVISION AND EXAMINATION BY CONTRACTOR.
P	=	PERPARATION
S	=	SURVEILLANCE (No RFI)
R	=	REVIEW OF REPORTS
N.A.	=	NOT APPLICABLE
A	=	AUTHORIZATION / APPROVAL
IFA	=	ISSUED FOR AUTHORIZATION/APPROVAL
INFO	=	FOR INFORMATION
!	=	WARNING (control of document revision status)

0	14.11.2019	ISSUED FOR IMPLEMENTATION	TB	PKP / LA	LA	JMC
REV.	DATE	STATUS	WRITTEN BY	CHECKED BY	APPROVED BY	AUTHOR. BY
DOCUMENT REVISIONS						

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S.NO	CHECK AND INSPECTION ITEM	QUALITY CONTROL REPORT	ACTION		NOTES
			CONTRACT.	TECHNIP	
A)	PRELIMINARY ACTIVITIES				
A.1	CONTRACTOR DRAWINGS CHECK REVISION STATUS	N.A.	!	!	
A.2	CONTRACTOR TECHNICAL SPECIFICATIONS AND PROCEDURES	N.A.	P	A	
A.3	VENDOR INSTALLATION MANUAL	N.A.	R	INFO	(1)
B)	BEFORE INSTALLATION				
B.1	MATERIAL MAINTENANCE CARD				(2)
B.2	MACHINERY ACCESSORIES IDENTIFICATION AND CONSERVATION STATUS	N.A.	WC	S	
B.3	CHECK THE MOUNTING FLANGE BEFORE MACHINERY INSTALLATION	CR 04	WC	S	
B.4	NAMEPLATE CHECK	CR 04	WC	S	
C)	MIXERS & AGITATORS INSTALLATION				
C.1	MACHINERY INSTALLATION	CR 04	WC	W/R	
C.2	LEVEL ADJUSTMENT	CR 04	WC	S	
C.3	SHAFT VERTICALITY	CR 04	WC	S	
C.4	BLADE INSTALLATION (IF ANY)	CR 04	WC	S	
C.5	CHECK THAT THE BLADE DOES NOT FOUL THE EQUIPMENT INTERNALS	CR 04	WC	S	
C.6	STEADY BEARING POSITION (IF ANY)	CR 04	WC	S	
C.7	MOTOR INSTALLATION (IF ANY)	CR 04	WC	W/R	
C.8	ACCESSORIES INSTALLATION & FINAL BOLT TIGHTENING	CR 04	WC	S	
C.9	ALIGNMENT	CR 04	WC	W/R	
C.9.1	PULLEYS PARALLELISM (IF ANY)	CR 04	WC	S	
C.9.2	SHAFT/MOTOR ALIGNMENT (IF ANY)	CR 04	WC	S	
C.10	FINAL DOCUMENTATION REVIEW	CR 04			

NOTES: (1) A COPY OF THE DOCUMENT WILL BE DELIVERED TO COMPANY FOR INFORMATION.

(2) "MATERIAL MAINTENANCE CARD" (IF ANY) WILL BE DELIVERED BY CONTRACTOR WAREHOUSEMAN TO CONTRACTOR SITE TOGETHER WITH THE RELEVANT MACHINERY.

MACHINERY MAINTENANCE ACTIVITIES (BEFORE AND AFTER INSTALLATION) SHALL BE RECORDED.

GENERAL NOTES

- THE ENCLOSED ITP'S ARE INDICATIVE AND SHALL BE FOLLOWED FOR DEVELOPING THE JOB SPECIFIC ITP'S FOR THE WORKS TO BE PERFORMED BY THE CONTRACTOR. THE PROVISIONS INDICATED FOR STAGE WISE INSPECTION BY TECHNIP AND OWNER (FOR SPECIFIC ACTIVITIES) ARE THE MINIMUM AND THE ENGINEER-IN-CHARGE MAY DECIDE TO INCREASE HOLD POINTS/ WITNESS POINTS, WHILE APPROVING THE JOB SPECIFIC ITP'S. ACTIVITIES FOR WHICH ITP'S ARE NOT PROVIDED IN THIS SPECIFICATION. CONTRACTOR TO DEVELOP AND GET THE SAME APPROVED BY TECHNIP/OWNER BEFORE START OF THE WORK. IN GENERAL ROLE OF TECHNIP HAS BEEN SPECIFIED IN THE DOCUMENT THE ROLE OF OWNER TO BE SPECIFIED DURING PREPARATION OF SITE SPECIFIC ITP'S.
- CONTRACTOR TO SUBMIT JOB SPECIFIC REPORTING FORMATS AND JOB PROCEDURES FOR THE JOBS FOR EACH ACTIVITY LISTED IN THE ITP'S AND SUBMIT TO TECHNIP/OWNER FOR APPROVAL. BEFORE COMMENCEMENT OF THE ACTIVITY. IF THE CONTRACTOR HAS TO DEVIATE FROM THE GIVEN ITP FOR A VALID REASON, HE SHALL OBTAIN PRIOR WRITTEN APPROVAL OF TECHNIP/OWNER. CONTRACTOR TO CARRY OUT 100% EXAMINATION OF ALL ACTIVITIES.

		PROJECT:					
		COMPANY:					
QUALITY CONTROL FORM CR 04		PROJ. No.:	QCF REV. 0	SH. 1 OF 1			
MIXER & AGITATORS INSTALLATION SUMMARY REPORT		CONTRACTOR:					
ITEM: _____ TYPE: _____ VENDOR: _____ M.R. _____ AREA: _____ SYSTEM: _____							
INSPECTION CHECK LIST (Ref. to QCP 6850.05)		N.A.	ACC.	REMARKS/ REFERENCES	INSPECTOR SIGNATURE & DATE		
					CONT.	TECHNIP	OWNER
B.3	CHECK THE MOUNTING FLANGE BEFORE MACHINERY INSTALLATION	<input type="checkbox"/>	<input type="checkbox"/>				
B.4	NAMEPLATE CHECK	<input type="checkbox"/>	<input type="checkbox"/>				
C.1	MACHINERY INSTALLATION	<input type="checkbox"/>	<input type="checkbox"/>				
C.2	LEVEL ADJUSTMENT	<input type="checkbox"/>	<input type="checkbox"/>				
C.3	SHAFT VERTICALITY	<input type="checkbox"/>	<input type="checkbox"/>				
C.4	BLADE INSTALLATION	<input type="checkbox"/>	<input type="checkbox"/>				
C.5		<input type="checkbox"/>	<input type="checkbox"/>				
C.6	STEADY BEARING POSITION	<input type="checkbox"/>	<input type="checkbox"/>				
C.7	MOTOR INSTALLATION	<input type="checkbox"/>	<input type="checkbox"/>				
C.8	ACCESSORIES INSTALLATION & FINAL BOLT TIGHTENING	<input type="checkbox"/>	<input type="checkbox"/>				
C.9	ALIGNMENT	<input type="checkbox"/>	<input type="checkbox"/>				
C.9.1	PULLEYS PARALLELISM	<input type="checkbox"/>	<input type="checkbox"/>				
C.9.2	SHAFT/MOTOR ALIGNMENT	<input type="checkbox"/>	<input type="checkbox"/>				
ALIGNMENT DATA RECORD:							
NOTES:							
C-10)	INSPECTORS	CONTRACTOR		TECHNIP		OWNER	
	NAME						
	SIGNATURE						
	DATE						