	PROJECT		Standby SRU & Additional Tanks IOCL Paradip Refinery		
	CLIENT		INDIAN OIL CORPORATION		
QCP-PAINTING	Project No. 080557C001	Document No. 080557C-000-QCP-2300-001		Rev. No. A	Page 1 of 3

QUALITY CONTROL PLAN

PAINTING

TYPE OF QUALITY CONTROL REPORT	CERTIFICATION EXTENT
W 12/A	SINGLE REPORT PER EACH MATERIAL
CP 1	SINGLE REPORT PER EACH WAREHOUSE INSPECTION
CP 2	SINGLE REPORT PER EACH ITEM



REFERENCE DOCUMENTS:

- 080557C-000-PP-805 Site Coordination & Communication Procedure.
- 080557C-000-PP-807 Material Receiving, Handling & Storage procedure
- 080557C-000-JSC-1300-001 Standard Specification for Fabrication and Erection of Piping
- 080557C-000-JSD-2300-001 Specification for Surface Preparation and Protective Coating
- 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
- DRAWINGS



LEGENDA

H	=	HOLD (RFI required - Work stop for inspection)
W	=	WITNESS (RFI required)
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)

A	21.10.2019	ISSUED FOR INFORMATION	SMP	LA	LA/ANJ	JMC
REV.	DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED	AUTHORIZED

 	PROJECT	Standby SRU & Additional Tanks IOCL Paradip Refinery		
	CLIENT	INDIAN OIL CORPORATION		
QCP-PAINTING	Project No. 080557C001	Document No. 080557C-000-QCP-2300-001	Rev. No. A	Page 2 of 3

S.NO	CHECK AND INSPECTION ITEM	QUALITY CONTROL REPORT	ACTION		NOTES
			CONTR.	TECHNIP	
A)	PRELIMINARY ACTIVITIES				
A.1	CONTRACTOR DRAWINGS CHECK REVISION STATUS	N.A.	!	!	
A.2	CONTRACTOR TECHNICAL SPECIFICATION AND PROCEDURE	N.A.	!	!	
A.3	SUB CONTRACTOR METHOD STATEMENT (if required)	N.A.	WC	A	
B)	BEFORE APPLICATION				
B.1	MATERIALS APPROVAL	W 12A	WC	A	
B.2	MATERIALS CHECK IN CONTRACTOR WAREHOUSE:				
B.2.1	MATERIAL IDENTIFICATION AND CONSERV. STATUS & EXPIRING DATE CHECK	CP 1	WC	S	(1)
B.2.2	COATING EQUIPMENT, CONTROL & TEST INSTRUMENTS	CP 1	WC	S	
B.3	PAINTERS IDENTIFICATION & CARD ASSIGNMENT (IF ANY)	N.A.	WC	A	
C)	PAINTING APPLICATION				(2)
C.1	<u>SURFACE PREPARATION</u>				
C.1.1	ENVIROMENTAL CONDITIONS & SOLUBLE SALT CONTAMINATION	CP 2	WC	W/R	(3)
C.1.2	ABRASIVE BLASTING EXECUTION; SURFACE PROFILE CHECK; VISUAL EXAMINATION;	CP 2	WC	W/R	
C.2	<u>PRIMER</u>				
C.2.1	ENVIRONMENTAL CONDITIONS & PRIMER EXECUTION	CP 2	WC	W/R	
C.2.2	VISUAL EXAMINATION & THICKNESS CHECK (DFT)	CP 2	WC	R	
C.2.3	CURING & ADHESION TEST	CP 2	WC	W/R	
C.3	<u>INTERMEDIATE COATING</u>				
C.3.1	CLEANLINESS, ENVIRONM. CONDITIONS & INTERMEDIATE COATING EXECUTION	CP 2	WC	R	
C.3.2	VISUAL EXAMINATION & THICKNESS CHECK (DFT)	CP 2	WC	R	
C.3.3	CURING & ADHESION TEST	CP 2	WC	W/R	
C.4	<u>FINAL COATING</u>				
C.4.1	CLEANLINESS, ENVIRONM. CONDITIONS & FINAL COATING EXECUTION	CP 2	WC	R	
C.4.2	VISUAL EXAMINATION & THICKNESS CHECK (DFT)	CP 2	WC	W/R	
C.4.3	CURING & ADHESION TEST	CP 2	WC	W/R	
C.4.4	HOLIDAYS TEST (Only for vessels and tanks internal coating)	CP 2	WC	W/R	

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S.NO	CHECK AND INSPECTION ITEM	QUALITY CONTROL REPORT	ACTION		NOTES
			CONTR.	TECHNIP	
C.5	<u>BRUSHING & TOUCHUP</u>	CP 2	WC	W/R	
C.6	<u>IDENTIFICATION MARKING</u>	CP 2	WC	S	
C.7	<u>FINAL DOCUMENTATION REVIEW</u>	CP 2			



NOTES: (1) CONTRACTORS SHALL ISSUE AN RFI FOR EACH NEW DELIVERY.



(2) CONTRACTORS SHALL RECORD ON A PROPER LOGBOOK THE ENVIRONMENTAL CONDITIONS EACH WORKING DAY.
AT LEAST: TEMPERATURE (°C), RELATIVE MOISTURE (%) AND DEW POINT (°C)
LOGBOOK SHALL BE ALWAYS AVAILABLE AND ANYWAY ATTACHED TO FINAL DOSSIER.



(3) CONTRACTORS SHALL RECORD ON A PROPER LOGBOOK THE SOLUBLE SALT CONTAMINATION TEST ABOUT ALL LOTS OF MATERIALS, BEFORE AND AFTER THE SURFACE PREPARATION.
LOGBOOK SHALL BE ALWAYS AVAILABLE AND ANYWAY ATTACHED TO FINAL DOSSIER.

GENERAL NOTES

- 1 THE ENCLOSED ITP'S ARE INDICATIVE AND SHALL BE FOLLOWED FOR DEVELOPING THEJOB 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.
- 2 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 CP1		PROJ. No.:	QCF REV. A	SH. ___ OF ___			
PAINTING MATERIAL CHECK		CONTRACTOR:		CP 1 N° _____			
WORKSHOP WAREHOUSE <input type="checkbox"/>		SITE WAREHOUSE <input type="checkbox"/>					
CHECK LIST		N.A.	ACC.	REMARKS/ REFERENCES	INSPECTORS SIGNATURE & DATE		
					CONTRACT.	TECHNIP	OWNER
1	STORAGE						
	- PAINT	<input type="checkbox"/>	<input type="checkbox"/>				
	- CATALYST	<input type="checkbox"/>	<input type="checkbox"/>				
	- THINNER	<input type="checkbox"/>	<input type="checkbox"/>				
	- HARDENER	<input type="checkbox"/>	<input type="checkbox"/>				
	-	<input type="checkbox"/>	<input type="checkbox"/>				
2	IDENTIFICATION & EXPIRING DATE						
	- PAINT	<input type="checkbox"/>	<input type="checkbox"/>				
	- CATALYST	<input type="checkbox"/>	<input type="checkbox"/>				
	- THINNER	<input type="checkbox"/>	<input type="checkbox"/>				
	- HARDENER	<input type="checkbox"/>	<input type="checkbox"/>				
	-	<input type="checkbox"/>	<input type="checkbox"/>				
3	PAINTING EQUIPMENT	<input type="checkbox"/>	<input type="checkbox"/>				
4	CONTROL & TEST INSTRUMENTS	<input type="checkbox"/>	<input type="checkbox"/>				
NOTES:							
INSPECTORS		CONTRACTOR		PMC		OWNER	
NAME							
SIGNATURE							
DATE							

 				PROJECT:				
				COMPANY:				
QUALITY CONTROL FORM CP 2				PROJ. No.:	QCF REV. A	SH. ____ OF ____		
PAINTING SUMMARY REPORT				CONTRACTOR:		CP 2 N° _____		
ITEM / TAG N° _____				ITEM / TAG DESCRIPTION _____				
AREA _____				PAINTING CYCLE _____				
INSPECTIONS (REF. TO QCP 2300.01)			N.A.	ACC.	REMARKS/ REFERENCES	INSPECTORS SIGNATURE & DATE		
						CONTRACT.	TECHNIP	OWNER
C.1	SURFACE PREPARATION							
C.1.1	ENVIROMENTAL CONDITIONS & SOLUBLE SALT CONTAMINATION	<input type="checkbox"/>	<input type="checkbox"/>					
C.1.2	ABRASIVE BLASTING EXECUTION; SURFACE PROFILE CHECK; VISUAL EXAMINATION;	<input type="checkbox"/>	<input type="checkbox"/>					
C.2	PRIMER							
C.2.1	ENVIROMENTAL CONDITION & PRIMER EXECUTION	<input type="checkbox"/>	<input type="checkbox"/>					
C.2.2	VISUAL EXAMINATION & THICKNESS CHECK (DFT)	<input type="checkbox"/>	<input type="checkbox"/>					
C.2.3	CURING & ADHESION TEST	<input type="checkbox"/>	<input type="checkbox"/>					
C.3	INTERMEDIATE COATING							
C.3.1	CLEANLINESS, ENVIRONM. COND. & INTERMEDIATE COATING EXECUT.	<input type="checkbox"/>	<input type="checkbox"/>					
C.3.2	VISUAL EXAMINATION & THICKNESS CHECK (DFT)	<input type="checkbox"/>	<input type="checkbox"/>					
C.3.3	CURING & ADHESION TEST	<input type="checkbox"/>	<input type="checkbox"/>					
C.4	FINAL COATING							
C.4.1	CLEANLINESS, ENVIRONM. COND. & FINAL COATING EXECUTION	<input type="checkbox"/>	<input type="checkbox"/>					
C.4.2	VISUAL EXAMINATION & THICKNESS CHECK (DFT)	<input type="checkbox"/>	<input type="checkbox"/>					
C.4.3	CURING & ADHESION TEST	<input type="checkbox"/>	<input type="checkbox"/>					
C.4.4	HOLIDAYS TEST	<input type="checkbox"/>	<input type="checkbox"/>					
C.5	BRUSHING & TOUCHUP	<input type="checkbox"/>	<input type="checkbox"/>					
C.6	IDENTIFICATION MARKING	<input type="checkbox"/>	<input type="checkbox"/>					
NOTES:								
C.7) FINAL DOC. REVIEW	INSPECTORS	CONTRACTOR		PMC		OWNER		
	NAME							
	SIGNATURE							
	DATE							

 		PROJECT:	
		COMPANY:	
QUALITY CONTROL FORM W 12/A		PROJ. No.:	QCF REV. A
CONSTRUCTION MATERIALS APPROVAL		CONTRACTOR:	W 12/A N° _____
CIVIL <input type="checkbox"/>	PIPING <input type="checkbox"/>	MACHINERY <input type="checkbox"/>	INSULATION <input type="checkbox"/>
BLDG. <input type="checkbox"/>	MECHANIC. <input type="checkbox"/>	ELECTRICAL <input type="checkbox"/>	STEEL STR. <input type="checkbox"/>
NDT <input type="checkbox"/>	SUPPORT PRF. <input type="checkbox"/>	_____ <input type="checkbox"/>	_____ <input type="checkbox"/>
1. MATERIALS			
2. SUPPLIER			
3. PURPOSE			
4. ATTACHMENT DATA			
5. TYPE OF TEST PERFORMED			
6. TEST STANDARD UTILIZED			
REMARKS:			
RESULT:		ACCEPTED <input type="checkbox"/>	NOT ACCEPTED <input type="checkbox"/>
INSPECTORS	CONTRACTOR	PMC	OWNER
NAME			
SIGNATURE			
DATE			