	PROJECT	Standby SRU & Additional Tanks IOCL Paradip Refinery		
	CLIENT	INDIAN OIL CORPORATION LIMITED		
QCP- FIRE FIGHTING SYSTEM INSTALLATION	Project No. 080557C001	Document No. 080557C-000-QCP-2045-002	Rev. No. 0	Page 1 of 3

QUALITY CONTROL PLAN

FIRE FIGHTING SYSTEM INSTALLATION

TYPE OF QUALITY CONTROL REPORT	CERTIFICATION EXTENT
FF 01	In-door Fire Fighting Summary Report
FF 02	Out-door Fire Fighting Summary Report

REFERENCE DOCUMENTS:

- 080557C-000-PP-805 Site Co-ordination & Communication Procedure.
- 080557C-000-PP-807 Material Receiving, Inspection, Handling, Storage & Preservation
- 080557C-000-QCP-0000-001 Material Management and Warehouse
- DRAWINGS



LEGENDA

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

0	19.11.2019	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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CONFIDENTIAL – Not to disclose without Authorization

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QUALITY CONTROL PLAN

FIRE FIGHTING SYSTEM INSTALLATION



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 SPECIFICATIONS AND PROCEDURES	N.A.	IFA	A	
A.3	CONTRACTOR METHOD STATEMENT (IF REQUIRED)	N.A.	IFA	A	(1)
A.4	MANUFACTURER INSTRUCTIONS	N.A.	W/C	R	(1)
B)	BEFORE ERECTION				
B.1	MATERIAL MAINTENANCE CARD	By Contractor			(2)
B.2	NAMEPLATE CHECK	FF 02 – FF 01	W/C	W/R	
C)	IN-DOOR FIRE FIGHTING SYSTEM INSTALLATION				
C.1	MATERIAL CHECK BEFORE INSTALLATION (Refer QCP-0000-001 FOR INCOMING INSPECTION)	By Contractor	W/C	W/R	
C.2	GAS CYLINDER & RELEVANT ACCESSORIES	FF 01	W/C	W/R	
C.3	PIPING PREFABRICATION (if any) AND INSTALLATION	By Contractor	W/C	W/R	
C.4	PIPING PAINTING/INSULATION (if any)	By Contractor	W/C	W/R	
C.5	PIPING COMPLETE CHECK	FF 01	W/C	R	
C.6	SPRINKLER INSTALLATION	By Contractor	W/C	W/R	
C.7	CHECKS AND TESTING	FF 01	W/C	W/R	
C.8	FINAL DOCUMENTATION REVIEW	FF 01	P	R	
D)	OUT-DOOR FIRE FIGHTING SYSTEM INSTALLATION				
D.1	MATERIAL CHECK BEFORE INSTALLATION	By Contractor	W/C	W/R	
D.2	FIRE WATER HYDRANT INSTALLATION	FF 02	W/C	W/R	
	- Location				
	- Orientation				
	- Elevation				
D.3	FIRE WATER HYDRANT CHECK	FF 02	W/C	W/R	
D.4	FIRE WATER MONITOR INSTALLATION	FF 02	W/C	R	
	- Location				
	- Orientation	FF 02	W/C	R	
	- Elevation				
D.5	FIRE WATER MONITOR CHECK	FF 02	W/C	R	
D.6	FIRE WATER HOSE REEL INSTALLATION	FF 02	W/C	R	
D.7	CHECK AND TESTS (i.e. free movement of water monitor in its operational plane)	FF 02	W/C	R	
D.8	FINAL DOCUMENTATION REVIEW	FF 02	P	R	

NOTES:

- (1) A copy of the document will be delivered to Owner for information.
- (2) "Material Maintenance Card" (if any) will be delivered by Contractor Warehouseman to Site together with the relevant machinery. Material maintenance activities (before and after installation) shall be recorded.

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GENERAL NOTES

- 1 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.
- 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.