		PROJECT	Standby SRU & Additional Tanks IOCL Paradip Refinery		
		CLIENT	INDIAN OIL CORPORATION LIMITED		
QCP-SKID MOUNTED PACKAGES	Project No. 080557C001	Document No. 080557C-000-QCP-6880-002		Rev. No. 0	Page 1 of 3

QUALITY CONTROL PLAN

SKID MOUNTED PACKAGES

TYPE OF QUALITY CONTROL REPORT	CERTIFICATION EXTENT
PK 02 - SK 02 - SK 03	SINGLE REPORT FOR EACH ITEM
CW58	SINGLE REPORT FOR EACH RELEASED GROUP OF ITEMS

REFERENCE DOCUMENTS:



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

LEGENDA

H	=	HOLD (RFI required - Work stop for inspection)
W	=	WITNESS (RFI required)
WC	=	100 % SUPERVISION AND EXAMINATION BY CONTRACTOR.
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	15.11.2019	ISSUED FOR IMPLEMENTATION	TB	PKP / LA	LA	JMC
REV.	DATE	STATUS	WRITTEN BY	CHECKED BY	APPROVED BY	AUTHOR. BY
DOCUMENT REVISIONS						

This document is developed by TECHNIP India Limited and the information it contains is property of Indian Oil Corporation Ltd. It shall not be used for any purpose other than that for which it is supplied.



 	PROJECT	Standby SRU & Additional Tanks IOCL Paradip Refinery		
	CLIENT	INDIAN OIL CORPORATION LIMITED		
QCP-SKID MOUNTED PACKAGES	Project No. 080557C001	Document No. 080557C-000-QCP-6880-002	Rev. No. 0	Page 2 of 3

S.NO	CHECK AND INSPECTION ITEM	QUALITY CONTROL REPORT	ACTIONS		NOTES
			CONT.	TECHNIP	
A)	PRELIMINARY ACTIVITIES				
A.1	CONTRACTOR DRAWINGS CHECK REVISION STATUS	N.A.	!	!	
A.2	CONTRACTOR TECHNICAL SPECIFICATION AND PROCEDURE	N.A.	IFA	A	
A.3	CONTRACTOR METHOD STATEMENT & ENGINEERED LIFTING STUDY (IF REQUIRED)	N.A.	IFA	A	(1)
B)	BEFORE ERECTION				
B.1	MATERIAL MAINTENANCE CARD (if any)				
B.2	MATERIAL RELEASED AND CONSERVATION STATUS	N.A.	WC	S	
B.3	SKID FOUNDATION CHECK	PK 02	WC	W/R	
B.4	EQUIPMENTS NAMEPLATE CHECK (if any)	PK 02	WC	W/R	
C)	SKIDS ERECTION				
C.1	SHIMS INSTALL. AND PROPER CHIPPING CHECK (IF REQUIRED)	PK 02	WC	W/R	
C.2	SKID INSTALLATION ON FOUNDATION	PK 02	WC	W/R	
C.3	ELEVATION & ORIENTATION	PK 02	WC	W/R	
C.4	ORIZONTALITY / VERTICALITY	PK 02	WC	W/R	
C.5	ANCHOR BOLTS TIGHTENING	PK 02	WC	W/R	
C.6	GROUTING AUTHORIZATION (IF ANY)	CW 58 - PK 02	WC	W/R	
C.7	DISASSEMBLED PARTS ERECTION (IF ANY)	PK 02	WC	S	
C.8	SKID MOUNTED COMPONENTS CHECK:				
C.8.1	MACHINERY ALIGMENT (IF REQUIRED)	SK03 – PK02	WC	W/R	
C.8.2	EQUIPMENT VERTICALITY/ORIZONTALITY (IF REQ.)	SK02 – PK02	WC	W/R	
C.9	CHECK THE TIGHTNESS OF THE EQUIPMENTS ON THE SKID	PK 02	WC	W/R	
D)	FINAL DOCUMENTATION REVIEW	PK 02		R	

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

This document is developed by TECHNIP India Limited and the information it contains is property of Indian Oil Corporation Ltd. It shall not be used for any purpose other than that for which it is supplied.

CONFIDENTIAL – Not to disclose without Authorization

 	PROJECT	Standby SRU & Additional Tanks IOCL Paradip Refinery		
	CLIENT	INDIAN OIL CORPORATION LIMITED		
QCP-SKID MOUNTED PACKAGES	Project No. 080557C001	Document No. 080557C-000-QCP-6880-002	Rev. No. 0	Page 3 of 3

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

CW 58

PROJ. No.:

QCF REV. 0

SH. 1 OF 1

GROUTING AUTHORIZATION REPORT

CONTRACTOR:

CW 58 N° _____

STEEL STRUCTURES ☐STATIC EQUIPMENT ☐ROTATING MACHINERY ☐_____ ☐**ITEMS TO BE GROUTED**

_____	AREA	_____
_____	AREA	_____
_____	AREA	_____
_____	AREA	_____
_____	AREA	_____
_____	AREA	_____
_____	AREA	_____
_____	AREA	_____

_____	AREA	_____
_____	AREA	_____
_____	AREA	_____
_____	AREA	_____
_____	AREA	_____
_____	AREA	_____
_____	AREA	_____
_____	AREA	_____

RELEASED BY_____
MECHANICAL
CONTRACTOR_____
DATE_____
TECHNIP_____
DATE

REMARKS:

RECEIVED BY_____
CIVIL
CONTRACTOR_____
DATE_____
TECHNIP_____
DATE

		PROJECT:		
		COMPANY:		
QUALITY CONTROL FORM PK 02		PROJ. No.:	QCF REV. 0	SH. 1 OF 1
SKID MOUNTED PACKAGE SUMMARY REPORT		CONTRACTOR:		
SKID IDENT. _____ AREA _____ VENDOR / MR _____ SYSTEM _____ DRAWING & REV. _____				
INSPECTIONS (Ref. to QCP 6880.02)		N.A.	ACC.	REMARKS/ REFERENCES
		INSPECTOR SIGNATURE & DATE		
		CONTR. TECHNIP OWNER		
B.3	SKID FOUNDATION CHECK	<input type="checkbox"/>	<input type="checkbox"/>	
B.4		<input type="checkbox"/>	<input type="checkbox"/>	
C.1	SHIMS INSTALL. AND PROPER CHIPPING CHECK	<input type="checkbox"/>	<input type="checkbox"/>	
C.2		<input type="checkbox"/>	<input type="checkbox"/>	
C.3		<input type="checkbox"/>	<input type="checkbox"/>	
C.4		<input type="checkbox"/>	<input type="checkbox"/>	
C.5		<input type="checkbox"/>	<input type="checkbox"/>	
C.6		<input type="checkbox"/>	<input type="checkbox"/>	CW 58 (*)
C.7		<input type="checkbox"/>	<input type="checkbox"/>	
C.8				
C.8.1		<input type="checkbox"/>	<input type="checkbox"/>	SK 03 (*)
C.8.2		<input type="checkbox"/>	<input type="checkbox"/>	SK 02 (*)
C.9	CHECK THE TIGHTNESS OF THE EQUIPMENTS ON THE SKID	<input type="checkbox"/>	<input type="checkbox"/>	
NOTES: (*) THE QC REPORTS N° SHALL BE INDICATED IN THE RELEVANT HERE BELOW SPACES : CW 58 N° _____ SK 02 N° _____ SK 03 N° _____				
N.A. = NOT APPLICABLE ACC. = ACCEPTED				
	INSPECTORS	CONTRACTOR		TECHNIP
	NAME			
	SIGNATURE			
	DATE			
OWNER				

PROJECT:

COMPANY:

QUALITY CONTROL FORM

SK 02

PROJ. No.:

QCF REV. 0

SH. 1 OF 1

**VERT. / HORIZ. EQUIPMENT SKID MOUNTED
POSITIONING CHECK**

CONTRACTOR:

ITEM

SKID

VENDOR

DRAWING & REV.

EQUIPMENT TYPE:

HORIZONTAL

☐

VERTICAL

☐

LOCATION

ELEVATION

ORIENTATION

VERTICALITY CHECK⁽¹⁾
AXIS
DEVIATION (mm)
SIDE

North - South

East

☐

West

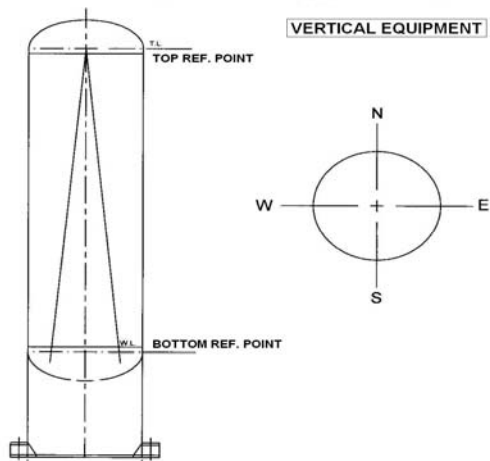
☐

West - East

North

☐

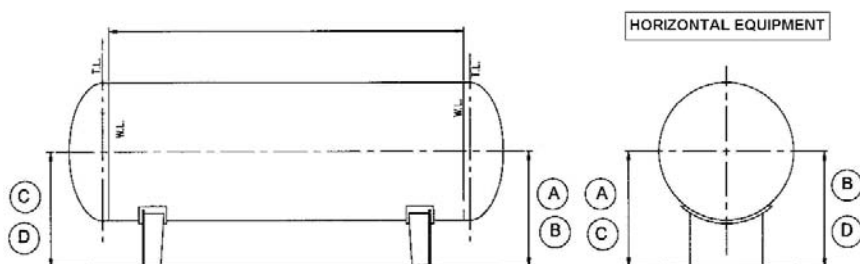
South

☐

LOCATION &
ORIENTATION

SLOPE

%

ELEVATION

SLOT HOLES
POSITION

AXIS CHECK⁽¹⁾
HORIZONTALITY (L= LEFT, R=RIGHT)
LEVELLING

SIDE

FRONT

REAR

LONGITUDINAL

TRANSVERSAL

TOLERANCE

L

(A) =

(C) =

(A) - (C) =

(A) - (B) =

IN

OUT

R

(B) =

(D) =

(B) - (D) =

(C) - (D) =

IN

OUT

TEST RESULT:

ACCEPTED

☐

REMARKS:

(1) Equipment horizontality and verticality check can be executed by adequate level positioned on nozzles' flanges.
INSPECTORS
CONTRACTOR
TECHNIP
OWNER

NAME

SIGNATURE

DATE



PROJECT:

COMPANY:

QUALITY CONTROL FORM

SK 03

PROJ. No.:

QCF REV. 0

SH. 1 OF 1

**MACHINERY SKID MOUNTED
ALIGNMENT**

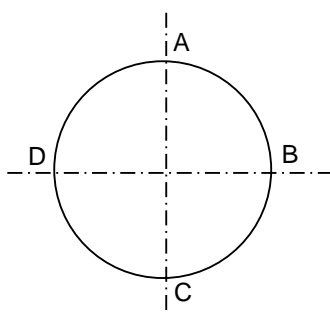
CONTRACTOR:

ELEVATION AND LEVELING:

ALIGNMENT RECORD OF ITEM _____

SKID _____ VENDOR _____

DRAWING & REV. _____

POSITION VIEWED
FROM DRIVER**DRIVER TO DRIVEN ALIGNMENT – FLANGE FREE**

POSITION	A	B	C	D
RADIAL				
AXIAL				

DRIVER TO DRIVEN ALIGNMENT – FLANGED

POSITION	RADIAL		AXIAL	
	SUCT.	DISCH.	SUCT.	DISCH.
A				
B				
C				
D				

COMPARATOR READING

ON COUPLING HUB _____

FLANGE PARALLELISM

FLANGES	VERT.	HORIZ.
SUCTION		
DISCHARGE		

COUPLING HUB DISTANCE

L

REQUIRED

ACTUAL

DATA RECORDS FOR “NON-SHAFT DRIVE” MACHINE:

NOTE:

- ALL DIMENSIONS ARE IN mm

- FOR TOLERANCES SEE VENDOR INSTALLATION MANUAL

INSPECTORS**CONTRACTOR****TECHNIP****OWNER**

NAME

SIGNATURE

DATE