	PROJECT		Standby SRU & Additional Tanks IOCL Paradip Refinery		
	CLIENT		INDIAN OIL CORPORATION LIMITED		
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PRECOMMISSIONING/COMMISSIONING – QUALITY CONTROL PLAN



MECHANICAL

QC REPORT CODE	DESCRIPTION	NOTES
QCR 6800.P51	COLUMNS & REACTORS	(1)
QCR 6800.P52	VESSELS, DRUMS & FILTERS	(1)
QCR 6800.P53	AIR FIN EXCHANGERS	(1)
QCR 6800.P54	PUMPS	(1)
QCR 6800.P55	CENTRIFUGAL COMPRESSORS	(1)
QCR 6800.P56	RECIPROCATING COMPRESSORS	(1)
QCR 6800.P57	FANS AND BLOWERS	(1)
QCR 6800.P58	TURBINES	(1)
QCR 6800.P59	AGITATORS	(1)
QCR 6800.P60	HEAT EXCHANGERS	(1)
QCR 6800.P61	EJECTORS, EDUCTORS, DESUPERHEATERS	(1)
QCR 6800.P62	SILENCERS	(1)
QCR 6800.P63	SILOS AND HOPPERS	(1)
QCR 6800.P64	SCREW CONVEYORS	(1)
QCR 6800.P65	AIR DRYERS	(1)
QCR 6800.P66	ROTARY DRYERS	(1)
QCR 6800.P67	BAG FILTERS	(1)
QCR 6800.P68	ROTARY VACUUM FILTERS	(1)
QCR 6800.P69	ROTARY VALVES	(1)
QCR 6800.P70	CENTRIFUGES	(1)
QCR 6800.P71	TANKS AND SPHERES	(1)
QCR 6800.P72	BASINS AND SUMPS	(1)
QCR 6800.P73	BOILERS	(1)
QCR 6800.P74	FURNACES	(1)
QCR 6800.P75	COOLING TOWERS	(1)
QCR 6800.P76	FLARES	(1)
QCR 6800.P77	DIESEL ENGINES	(1)
QCR 6800.P78	MOTORS	(1)
QCR 6800.P79	LOADING ARMS	(1)
QCR 6800.P80	AIR TRANSPORTERS	(1)
QCR 6800.P81	EXTRUDERS	(1)

0	19.11.2019	ISSUED FOR IMPLEMENTATION	TB	PKP / LA	LA	PMC
REV.	DATE	STATUS	WRITTEN BY	CHECKED BY	APPROVED BY	AUTHOR. BY
DOCUMENT REVISIONS						

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QC REPORT CODE	DESCRIPTION	NOTES
QCR 6800.P82	BAGGING	(1)
QCR 6800.P83	PALLETIZING AND WRAPPING MACHINES	(1)
QCR 6800.P84	PELLETIZERS	(1)
QCR 6800.P85	WEIGHING DEVICES	(1)
QCR 6800.P86	TURBOEXPANDERS	(1)
QCR 6800.P87	HVAC	(1)
QCR 6800.P88	CHEMICAL DOSING SYSTEM	(1)
QCR 6800.P89	HOISTS AND MONORAILS	(1)
QCR 6800.P90	BRIDGE CRANES	(1)
QCR 6800.P91	LIFTS AND ELEVATORS	(1)
QCR 6800.P92	ALIGNMENT RESULT SUMMARY	(1)
W12	MISCELLANEA - INSPECTION REPORT	

(1) Single certificate for each item

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
!	=	WARNING (control of document revision status)

 TechnipFMC	 IndianOil	PROJECT	Standby SRU & Additional Tanks IOCL Paradip Refinery		
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PRECOMMISSIONING/COMMISSIONING – QUALITY CONTROL PLAN

MECHANICAL

S.NO	CHECK AND TEST DESCRIPTION	QCR CODE	SITE INSPECTION EXTENT		NOTES
			CONTRACTOR	TECHNIP	
A	COLUMNS & REACTORS				
1	CLEANLINESS INSPECTION	6800.P51	W/C	W/R	
2	INTERNALS / TRAYS CHECK	6800.P51	W/C	W/R	
3	TRAY LEAKAGE TEST	6800.P51	W/C	W/R	
4	SPRAY-PATTERN TEST OF SPRAY NOZZLES	6800.P51	W/C	W/R	
5	FINAL INSPECTION AND CLOSE-UP	6800.P51	W/C	W/R	(1)
6	PACKING / CATALYST / RESINS LOADING	6800.C51	W/C	W/R	(1)
B	VESSELS, DRUMS & FILTERS				
1	CLEANLINESS INSPECTION	6800.P52	W/C	W/R	
2	INTERNALS CHECK	6800.P52	W/C	W/R	
3	FILTER/CARTRIDGE INSTALLATION	6800.P52	W/C	W/R	
4	FINAL INSPECTION AND CLOSE-UP	6800.P52	W/C	W/R	
C	AIR FIN EXCHANGERS				
1	CLEANLINESS INSPECTION	6800.P53	W/C	W/R	
2	LUBRICATION	6800.P53	W/C	W/R	
3	FREE ROTATION BY HANDS	6800.P53	W/C	W/R	
4	DIRECTION OF ROTATION	6800.P53	W/C	W/R	
5	COUPLING / BELTS INSTALLATION	6800.P53	W/C	W/R	
6	GUARD, ACCESSORIES AND FINAL CHECKS	6800.P53	W/C	W/R	
7	LOUVRES OPERABILITIES	6800.P53	W/C	W/R	
8	BLADES ANGLE CHECKS	6800.P53	W/C	W/R	
9	SAFETY OPERABILITIES	6800.P53	W/C	W/R	
10	RUN IN	6800.C53	W/C	W/R	

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S.NO	CHECK AND TEST DESCRIPTION	QCR CODE	SITE INSPECTION EXTENT		NOTES
			CONTRACTOR	TECHNIP	
11	VIBRATION CHECK	6800.C53	W/C	W/R	
12	BEARINGS TEMPERATURE CHECK	6800.C53	W/C	W/R	
D	PUMPS				
1	SUCTION STRAINER INSTALLATION	6800.P54	W/C	W/R	
2	AUXILIARIES CONNECTIONS	6800.P54	W/C	W/R	
3	LUBRICATION	6800.P54	W/C	W/R	
4	SEAL INSTALLATION / RETAINING CLIPS REMOVAL	6800.P54	W/C	W/R	
5	FREE ROTATION BY HANDS	6800.P54	W/C	W/R	
6	DIRECTION OF ROTATION	6800.P54	W/C	W/R	
7	PUMP DRIVER ALIGNMENT	6800.P54	W/C	W/R	
8	COUPLING INSTALLATION	6800.P54	W/C	W/R	
9	GUARD AND ACCESSORIES	6800.P54	W/C	W/R	
10	SEAL FLUID/PACKING STATUS	6800.C54	W/C	W/R	
11	RUN IN	6800.C54	W/C	W/R	
12	VIBRATION CHECK	6800.C54	W/C	W/R	
13	BEARINGS TEMPERATURE CHECK	6800.C54	W/C	W/R	
14	HOT ALIGNMENT	6800.C54	W/C	W/R	
E	CENTRIFUGAL COMPRESSORS				
1	SUCTION STRAINER INSTALLATION	6800.P55	W/C	W/R	
2	AUXILIARY CIRCUITS INSPECTION / CLEANLINESS	6800.P55	W/C	W/R	
3	LUBE OIL FLUSHING / SEAL OIL AND GAS CLEANING	6800.P55	W/C	W/R	
4	SEAL / BEARING INSTALLATION	6800.P55	W/C	W/R	
5	LUBRICATION	6800.P55	W/C	W/R	
6	OIL SYSTEM TEST	6800.P55	W/C	W/R	
7	FREE ROTATION BY HANDS	6800.P55	W/C	W/R	
8	DIRECTION OF ROTATION	6800.P55	W/C	W/R	

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S.NO	CHECK AND TEST DESCRIPTION	QCR CODE	SITE INSPECTION EXTENT		NOTES
			CONTRACTOR	TECHNIP	
9	BARRING GEAR CHECK	6800.P55	W/C	W/R	
10	DRIVER, GEARBOX AND PIPING ALIGNMENT	6800.P55	W/C	W/R	
11	COUPLING INSTALLATION	6800.P55	W/C	W/R	
12	GUARD AND ACCESSORIES	6800.P55	W/C	W/R	
13	RUN IN	6800.C55	W/C	W/R	
14	ANTISURGE TEST	6800.C55	W/C	W/R	
15	DOWELING	6800.C55	W/C	W/R	
16	VIBRATION CHECK	6800.C55	W/C	W/R	
17	HOT ALIGNMENT	6800.C55	W/C	W/R	
F	RECIPROCATING COMPRESSORS				
1	SUCTION STRAINER INSTALLATION	6800.P56	W/C	W/R	
2	AUXILIARY CIRCUITS INSPECTION / CLEANNESS	6800.P56	W/C	W/R	
3	LUBE OIL FLUSHING / SEAL OIL AND GAS CLEANING	6800.P56	W/C	W/R	
4	SEAL / BEARING INSTALLATION	6800.P56	W/C	W/R	
5	LUBRICATION	6800.P56	W/C	W/R	
6	OIL SYSTEM TEST	6800.P56	W/C	W/R	
7	FREE ROTATION BY HANDS	6800.P56	W/C	W/R	
8	DIRECTION OF ROTATION	6800.P56	W/C	W/R	
9	BARRING GEAR CHECK	6800.P56	W/C	W/R	
10	DRIVER, GEARBOX AND PIPING ALIGNMENT	6800.P56	W/C	W/R	
11	CRANKCASE/CRANKCASE EXPLOSION DOORS CHECK	6800.P56	W/C	W/R	
12	PISTON ROD PACKING CHECK	6800.P56	W/C	W/R	
13	CLEARANCE POCKETS CHECK	6800.P56	W/C	W/R	
14	COUPLING INSTALLATION	6800.P56	W/C	W/R	
15	GUARD AND ACCESSORIES	6800.P56	W/C	W/R	
16	RUN IN	6800.C56	W/C	W/R	

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S.NO	CHECK AND TEST DESCRIPTION	QCR CODE	SITE INSPECTION EXTENT		NOTES
			CONTRACTOR	TECHNIP	
17	VIBRATION CHECK	6800.C56	W/C	W/R	
18	BEARINGS TEMPERATURE CHECK	6800.C56	W/C	W/R	
G	FANS AND BLOWERS				
1	CLEANLINESS INSPECTION	6800.P57	W/C	W/R	
2	SUCTION STRAINER INSTALLATION	6800.P57	W/C	W/R	
3	AUXILIARIES CONNECTION	6800.P57	W/C	W/R	
4	LUBRICATION	6800.P57	W/C	W/R	
5	SEAL INSTALLATION	6800.P57	W/C	W/R	
6	FREE ROTATION BY HANDS	6800.P57	W/C	W/R	
7	DIRECTION OF ROTATION	6800.P57	W/C	W/R	
8	COUPLING INSTALLATION	6800.P57	W/C	W/R	
9	GUARD AND ACCESSORIES	6800.P57	W/C	W/R	
10	RUN IN	6800.C57	W/C	W/R	
11	VIBRATION CHECK	6800.C57	W/C	W/R	
12	BEARINGS TEMPERATURE CHECK	6800.C57	W/C	W/R	
H	TURBINES				
1	SUCTION STRAINER INSTALLATION	6800.P58	W/C	W/R	
2	AUXILIARY CIRCUITS INSPECTION / CLEANLINESS	6800.P58	W/C	W/R	
3	LUBE OIL FLUSHING / SEAL OIL AND GAS CLEANING	6800.P58	W/C	W/R	
4	BEARING INSTALLATION	6800.P58	W/C	W/R	
5	LABYRINTH / PACKING INSTALLATION	6800.P58	W/C	W/R	
6	LUBRICATION	6800.P58	W/C	W/R	
7	OIL SYSTEM TEST	6800.P58	W/C	W/R	
8	FREE ROTATION BY HANDS	6800.P58	W/C	W/R	
9	DIRECTION OF ROTATION	6800.P58	W/C	W/R	
10	ALIGNMENT	6800.P58	W/C	W/R	

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S.NO	CHECK AND TEST DESCRIPTION	QCR CODE	SITE INSPECTION EXTENT		NOTES
			CONTRACTOR	TECHNIP	
11	GUARD AND ACCESSORIES	6800.P58	W/C	W/R	
12	RUN IN	6800.C58	W/C	W/R	
13	VIBRATION CHECK	6800.C58	W/C	W/R	
14	HOT ALIGNMENT	6800.C58	W/C	W/R	
I	AGITATORS				
1	CLEANLINESS INSPECTION	6800.P59	W/C	W/R	
2	LUBRICATION	6800.P59	W/C	W/R	
3	FREE ROTATION BY HANDS	6800.P59	W/C	W/R	
4	DIRECTION OF ROTATION	6800.P59	W/C	W/R	
5	ROTOR CONCENTRICITY CHECK	6800.P59	W/C	W/R	
6	COUPLING INSTALLATION	6800.P59	W/C	W/R	
7	GUARD AND ACCESSORIES	6800.P59	W/C	W/R	
8	RUN IN	6800.C59	W/C	W/R	
9	VIBRATION CHECK	6800.C59	W/C	W/R	
10	BEARINGS TEMPERATURE CHECK	6800.C59	W/C	W/R	
J	HEAT EXCHANGERS				
1	THERMAL EXPANSION / CONTRACTION INTERFERENCE CHECK	6800.P60	W/C	W/R	
2	SLIDING SUPPORTS CHECK	6800.P60	W/C	W/R	
3	EARTHING/GROUNDING CONNECTION CHECK	6800.P60	W/C	W/R	
K	EJECTORS, EDUCTORS, DESUPERHEATERS				
1	CLEANLINESS INSPECTION	6800.P61	W/C	W/R	
2	CLOSE-UP	6800.P61	W/C	W/R	
L	SILENCER				
1	CLEANLINESS INSPECTION	6800.P62	W/C	W/R	
2	CLOSE-UP	6800.P62	W/C	W/R	
M	SILOS AND HOPPER				

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S.NO	CHECK AND TEST DESCRIPTION	QCR CODE	SITE INSPECTION EXTENT		NOTES
			CONTRACTOR	TECHNIP	
1	CLEANLINESS INSPECTION	6800.P63	W/C	W/R	
2	INTERNALS CHECK	6800.P63	W/C	W/R	
3	FINAL INSPECTION & CLOSE-UP	6800.P63	W/C	W/R	
N	SCREW CONVEYORS				
1	CLEANLINESS INSPECTION	6800.P64	W/C	W/R	
2	FREE ROTATION BY HANDS	6800.P64	W/C	W/R	
3	DIRECTION OF ROTATION	6800.P64	W/C	W/R	
4	ALIGNMENT	6800.P64	W/C	W/R	
5	COUPLING INSTALLATION	6800.P64	W/C	W/R	
6	GUARD AND ACCESSORIES	6800.P64	W/C	W/R	
7	RUN IN	6800.C64	W/C	W/R	
8	VIBRATION CHECK	6800.C64	W/C	W/R	
9	BEARINGS TEMPERATURE CHECK	6800.C64	W/C	W/R	
O	AIR DRYERS				
1	CLEANLINESS INSPECTION	6800.P65	W/C	W/R	
2	INTERNALS CHECK	6800.P65	W/C	W/R	
3	MOLECULAR SIEVES LOADING	6800.P65	W/C	W/R	
4	FINAL INSPECTION AND CLOSE-UP	6800.P65	W/C	W/R	
5	VIBRATION CHECK	6800.C65	W/C	W/R	
P	ROTARY DRYERS				
1	CLEANLINESS INSPECTION	6800.P66	W/C	W/R	
2	FREE ROTATION BY HANDS	6800.P66	W/C	W/R	
3	DIRECTION OF ROTATION	6800.P66	W/C	W/R	
4	ALIGNMENT	6800.P66	W/C	W/R	
5	COUPLING INSTALLATION	6800.P66	W/C	W/R	
6	GUARD AND ACCESSORIES	6800.P66	W/C	W/R	

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S.NO	CHECK AND TEST DESCRIPTION	QCR CODE	SITE INSPECTION EXTENT		NOTES
			CONTRACTOR	TECHNIP	
7	RUN IN	6800.C66	W/C	W/R	
8	VIBRATION CHECK	6800.C66	W/C	W/R	
Q	BAG FILTERS				
1	CLEANLINESS INSPECTION	6800.P67	W/C	W/R	
2	BAG INSPECTION AND INSTALLATION	6800.P67	W/C	W/R	
3	FINAL INSPECTION AND CLOSE-UP	6800.P67	W/C	W/R	
R	ROTARY VACUUM FILTERS				
1	CLEANLINESS INSPECTION	6800.P68	W/C	W/R	
2	FREE ROTATION BY HANDS	6800.P68	W/C	W/R	
3	DIRECTION OF ROTATION	6800.P68	W/C	W/R	
4	ALIGNMENT	6800.P68	W/C	W/R	
5	COUPLING INSTALLATION	6800.P68	W/C	W/R	
6	GUARD AND ACCESSORIES	6800.P68	W/C	W/R	
7	FINAL INSPECTION AND CLOSE-UP	6800.P68	W/C	W/R	
8	RUN IN	6800.C68	W/C	W/R	
9	VIBRATION CHECK	6800.C68	W/C	W/R	
S	ROTARY VALVES				
1	CLEANLINESS INSPECTION	6800.P69	W/C	W/R	
2	FREE ROTATION BY HANDS	6800.P69	W/C	W/R	
3	DIRECTION OF ROTATION	6800.P69	W/C	W/R	
4	ALIGNMENT	6800.P69	W/C	W/R	
5	COUPLING INSTALLATION	6800.P69	W/C	W/R	
6	GUARD AND ACCESSORIES	6800.P69	W/C	W/R	
7	RUN IN	6800.C69	W/C	W/R	
8	VIBRATION CHECK	6800.C69	W/C	W/R	
9	BEARINGS TEMPERATURE CHECK	6800.C69	W/C	W/R	

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S.NO	CHECK AND TEST DESCRIPTION	QCR CODE	SITE INSPECTION EXTENT		NOTES
			CONTRACTOR	TECHNIP	
T	CENTRIFUGES				
1	CLEANLINESS INSPECTION	6800.P70	W/C	W/R	
2	FREE ROTATION BY HANDS	6800.P70	W/C	W/R	
3	DIRECTION OF ROTATION	6800.P70	W/C	W/R	
4	ALIGNMENT AND BALANCING	6800.P70	W/C	W/R	
5	COUPLING INSTALLATION	6800.P70	W/C	W/R	
6	GUARD AND ACCESSORIES	6800.P70	W/C	W/R	
7	RUN IN	6800.C70	W/C	W/R	
8	VIBRATION CHECK	6800.C70	W/C	W/R	
9	BEARINGS TEMPERATURE CHECK	6800.C70	W/C	W/R	
U	TANKS AND SPHERES				
1	CLEANLINESS INSPECTION	6800.P71	W/C	W/R	
2	INTERNAL CHECK	6800.P71	W/C	W/R	
3	ROOF PONTOONS INTERNALLY CHECK FOR FLOATING ROOF	6800.P71	W/C	W/R	
4	SEAL INTEGRITY CHECK FOR FLOATING ROOF	6800.P71	W/C	W/R	
5	THERMAL INSULATION CHECK FOR CRYOGENIC TANK	6800.P71	W/C	W/R	
6	FINAL INSPECTION AND CLOSE UP	6800.P71	W/C	W/R	
7	COOLING DOWN (When required)	6800.C71	W/C	W/R	
V	BASINS AND SUMPS				
1	CLEANLINESS INSPECTION	6800.P72	W/C	W/R	
2	CLOSE-UP	6800.P72	W/C	W/R	
W	BOILERS				
1	CLEANLINESS INSPECTION	6800.P73	W/C	W/R	
2	REFRACTORY INSPECTION	6800.P73	W/C	W/R	
3	BURNER NOZZLES CHECK	6800.P73	W/C	W/R	
4	REGISTERS AND DAMPERS CHECK	6800.P73	W/C	W/R	

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S.NO	CHECK AND TEST DESCRIPTION	QCR CODE	SITE INSPECTION EXTENT		NOTES
			CONTRACTOR	TECHNIP	
5	SOOT BLOWERS CHECK	6800.P73	W/C	W/R	
6	FINAL INSPECTION AND CLOSE-UP	6800.P73	W/C	W/R	
7	CHEMICAL CLEANING/BOIL OUT	6800.P73	W/C	W/R	(1)
8	REFRACTORY DRY OUT	6800.C73	W/C	W/R	(1)
9	RECHECK AND SET PRESSURE OF RELIEF VALVES	6800.C73	H	W	(1)
X	FURNACES				
1	CLEANLINESS INSPECTION OF RADIANT AND CONVECTION SECTIONS	6800.P74	W/C	W/R	
2	RADIANT AND CONVECTION TUBES/SUPPORTS CHECK	6800.P74	W/C	W/R	
3	REFRACTORY INSPECTION	6800.P74	W/C	W/R	
4	CLEANING & DRY OUT OF FURNACE COILS	6800.P74	W/C	W/R	
5	BURNER NOZZLES CHECK	6800.P74	W/C	W/R	
6	REGISTERS & DAMPERS CHECK	6800.P74	W/C	W/R	
7	SOOT BLOWERS CHECK	6800.P74	W/C	W/R	
8	PRESSURE RELIEF DOORS CHECK	6800.P74	W/C	W/R	
9	INSPECTION DOORS CHECK	6800.P74	W/C	W/R	
10	FINAL INSPECTION AND CLOSE-UP	6800.P74	W/C	W/R	
11	REFRACTORY DRY OUT	6800.C74	W/C	W/R	(1)
12	REFRACTORY INSPECTION	6800.C74	W/C	W/R	
Y	COOLING TOWERS				
1	CLEANLINESS INSPECTION	6800.P75	W/C	W/R	
2	INTERNALS/PACKING CHECK	6800.P75	W/C	W/R	
3	ADJUSTMENT OF BLADES PITCH	6800.P75	W/C	W/R	
4	WATER FILLING	6800.C75	W/C	W/R	
5	WATER CIRCULATION	6800.C75	W/C	W/R	
6	CHEMICALS CONDITIONING	6800.C75	W/C	W/R	
Z	FLARES				

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	CLIENT	INDIAN OIL CORPORATION LIMITED		
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S.NO	CHECK AND TEST DESCRIPTION	QCR CODE	SITE INSPECTION EXTENT		NOTES
			CONTRACTOR	TECHNIP	
1	TIPS CLEANLINESS CHECK	6800.P76	W/C	W/R	
2	PILOT BURNERS INSTALLATION / CLEANLINESS CHECK	6800.P76	W/C	W/R	
3	IGNITOR SYSTEM ALIGNMENT	6800.P76	W/C	W/R	
4	SEAL FILL-UP	6800.P76	W/C	W/R	
5	SMOKELESS SYSTEM CHECK	6800.C76	W/C	W/R	(1)
6	IGNITION PANEL TEST	6800.C76	W/C	W/R	(1)
AA	DIESEL ENGINES				
1	CLEANLINESS INSPECTION	6800.P77	W/C	W/R	
2	OIL FILLING	6800.P77	W/C	W/R	
3	FREE ROTATION BY HANDS	6800.P77	W/C	W/R	
4	ACCESSORIES INSPECTION	6800.P77	W/C	W/R	
5	RUN IN	6800.C77	W/C	W/R	(1)
6	BEARINGS TEMPERATURE CHECK	6800.C77	W/C	W/R	(1)
7	VIBRATION CHECK	6800.C77	W/C	W/R	(1)
AB	MOTORS				
1	FREE ROTATION BY HANDS	6800.P78	W/C	W/R	
2	GROUNDING INSPECTION CHECK	6800.P78	W/C	W/R	
3	GREASING / LUBRICATION	6800.P78	W/C	W/R	
AC	LOADING ARMS				
1	CHECK FOR CORRECT INSTALLATION	6800.P79	W/C	W/R	
2	ELECTRICAL INSTALLATION CHECK	6800.P79	W/C	W/R	
3	INSTRUMENT INSTALLATION CHECK	6800.P79	W/C	W/R	
4	UTILITIES CONNECTIONS CHECK	6800.P79	W/C	W/R	
5	OIL SYSTEM CHECK	6800.P79	W/C	W/R	
6	CONTROLS AND OPERABILITY TEST	6800.C79	W/C	W/R	(1)
7	SEQUENCE OPERATION CHECK / FUNCTIONAL TEST	6800.C79	W/C	W/R	(1)

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S.NO	CHECK AND TEST DESCRIPTION	QCR CODE	SITE INSPECTION EXTENT		NOTES
			CONTRACTOR	TECHNIP	
AD	AIR TRANSPORTERS				
1	CLEANLINESS INSPECTION	6800.P80	W/C	W/R	
2	HANDLEBAR MOVEMENT CHECK	6800.P80	W/C	W/R	
3	AXEL LUBRICATION CHECK	6800.P80	W/C	W/R	
4	AIR OUTLET PADS PROTECTION CHECK	6800.P80	W/C	W/R	
5	AIR OUTLET VALVE FUNCTIONALITY CHECK	6800.P80	W/C	W/R	
6	SEQUENCE OPERATION CHECK / FUNCTIONAL TEST	6800.C80	W/C	W/R	(1)
AE	EXTRUDERS				
1	CHECK FOR CORRECT INSTALLATION	6800.P81	W/C	W/R	
2	RELATIVE ALIGNMENT CHECK	6800.P81	W/C	W/R	
3	CHECK SUPPLY OF COOLING WATER	6800.P81	W/C	W/R	
4	CHECK SUPPLY OF STEAM	6800.P81	W/C	W/R	
5	CHECK SUPPLY OF NITROGEN	6800.P81	W/C	W/R	
6	CHECK SENSORS FOR CORRECT INSTALLATION	6800.P81	W/C	W/R	
7	CHECK ELECTRICAL EQUIPMENT	6800.P81	W/C	W/R	
8	CHECK DIRECTION OF ROTATION OF ALL DRIVES	6800.P81	W/C	W/R	
9	CHECK MECHANICAL AND ELECTRICAL SAFETY DEVICES	6800.P81	W/C	W/R	
10	CHECK CORRECT LUBRICATION OF THE MACHINE	6800.P81	W/C	W/R	
11	HEAT EXTRUDER UNTIL OPERATING TEMPERATURE STEP BY STEP	6800.C81	W/C	W/R	
12	COOL DOWN THE EXTRUDER	6800.C81	W/C	W/R	
13	TIGHTEN THE SCREW UNION	6800.C81	W/C	W/R	
14	CHECK THE ALIGNMENT OF THE EXTRUDER	6800.C81	W/C	W/R	
15	INSTALL THE SCREWS	6800.C81	W/C	W/R	
16	INSTALL THE PELLETIZER	6800.C81	W/C	W/R	
17	CHECK FOR UNUSUAL VIBRATIONS	6800.C81	W/C	W/R	
AF	BAGGING				

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S.NO	CHECK AND TEST DESCRIPTION	QCR CODE	SITE INSPECTION EXTENT		NOTES
			CONTRACTOR	TECHNIP	
1	CHECK FOR CORRECT INSTALLATION	6800.P82	W/C	W/R	
2	ELECTRICAL INSTALLATION CHECK	6800.P82	W/C	W/R	
3	INSTRUMENT INSTALLATION CHECK	6800.P82	W/C	W/R	
4	UTILITIES CONNECTIONS CHECK	6800.P82	W/C	W/R	
5	MACHINE LUBRICATION CHECK	6800.P82	W/C	W/R	
6	BELT ALIGNMENT CHECK	6800.P82	W/C	W/R	
7	SEQUENCE OPERATION CHECK / FUNCTIONAL TEST	6800.C82	W/C	W/R	(1)
AG	PALLETIZING AND WRAPPING MACHINES				
1	CHECK FOR CORRECT INSTALLATION	6800.P83	W/C	W/R	
2	ELECTRICAL INSTALLATION CHECK	6800.P83	W/C	W/R	
3	INSTRUMENT INSTALLATION CHECK	6800.P83	W/C	W/R	
4	UTILITIES CONNECTIONS CHECK	6800.P83	W/C	W/R	
5	MACHINE LUBRICATION CHECK	6800.P83	W/C	W/R	
6	BELT ALIGNMENT CHECK	6800.P83	W/C	W/R	
7	SEQUENCE OPERATION CHECK / FUNCTIONAL TEST	6800.C83	W/C	W/R	(1)
AH	PELLETIZERS				
1	CHECK FOR CORRECT INSTALLATION	6800.P84	W/C	W/R	
2	ELECTRICAL INSTALLATION CHECK	6800.P84	W/C	W/R	
3	INSTRUMENT INSTALLATION CHECK	6800.P84	W/C	W/R	
4	UTILITIES CONNECTIONS CHECK	6800.P84	W/C	W/R	
5	MACHINE LUBRICATION CHECK	6800.P84	W/C	W/R	
6	SEQUENCE OPERATION CHECK / FUNCTIONAL TEST	6800.C84	W/C	W/R	(1)
7	ADJUSTMENT OF THE CUTTING DISTANCE	6800.C84	W/C	W/R	
AI	WEIGHING DEVICES				
1	CHECK FOR CORRECT INSTALLATION	6800.P85	W/C	W/R	
2	CHECK TRANSPORT LOCK PIN OF LOAD CELL HAS BEEN REMOVED	6800.P85	W/C	W/R	

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S.NO	CHECK AND TEST DESCRIPTION	QCR CODE	SITE INSPECTION EXTENT		NOTES
			CONTRACTOR	TECHNIP	
3	PERFORM THE LOAD CELL CALIBRATION	6800.P85	W/C	W/R	
4	SEQUENCE OPERATION CHECK / FUNCTIONAL TEST	6800.C85	W/C	W/R	(1)
5	WEIGHING TUNING	6800.C85	W/C	W/R	
AJ	TURBOEXPANDERS				
1	AUXILIARY CIRCUITS INSPECTION / CLEANING	6800.P86	W/C	W/R	
2	LUBE OIL FLUSHING / SEAL OIL AND GAS CLEANING	6800.P86	W/C	W/R	
3	SEAL / BEARING VERIFICATION	6800.P86	W/C	W/R	
4	LUBRICATION	6800.P86	W/C	W/R	
5	OIL SYSTEM TEST	6800.P86	W/C	W/R	
6	SUCTION STRAINERS INSTALLATION	6800.P86	W/C	W/R	
7	ALIGNMENT	6800.P86	W/C	W/R	
8	COOL DOWN (When required)	6800.C86	W/C	W/R	
9	OVERSPEED TEST	6800.C86	W/C	W/R	
10	RUN IN	6800.C86	W/C	W/R	
AK	HVAC				
1	INSTALLATION CHECK	6800.P87	W/C	W/R	
2	CLEANLINESS INSPECTION	6800.P87	W/C	W/R	
3	ACCESSORIES INSPECTION	6800.P87	W/C	W/R	
4	DAMPER OPERATION CHECK	6800.P87	W/C	W/R	
5	ANTI-VIBRATION MOUNTING CHECK	6800.P87	W/C	W/R	
6	DIRECTION OF ROTATION	6800.P87	W/C	W/R	
7	MOTOR SOLO RUN	6800.P87	W/C	W/R	
8	DRIVER/FAN FINAL ALIGNMENT	6800.P87	W/C	W/R	
9	BELT INSTALLATION & GUARD	6800.P87	W/C	W/R	
10	COUPLED RUN-IN & BELT RETENTIONING	6800.P87	W/C	W/R	
11	BALANCING	6800.P87	W/C	W/R	

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S.NO	CHECK AND TEST DESCRIPTION	QCR CODE	SITE INSPECTION EXTENT		NOTES
			CONTRACTOR	TECHNIP	
12	CONTROLS AND SHUTDOWNS	6800.P87	W/C	W/R	
13	FIRE DAMPER SEALING CHECK	6800.C87	W/C	W/R	(1)
14	DUCT LEAKAGE TEST	6800.C87	W/C	W/R	(1)
15	AIR FLOW TEST	6800.C87	W/C	W/R	(1)
16	ROOM TEMPERATURE AND PRESSURE CONTROL AND ADJUSTMENT	6800.C87	W/C	W/R	(1)
AL	CHEMICAL DOSING SYSTEM				
1	DOSING TANK CLEANLINESS INSPECTION AND CLOSE OUT	6800.P88	W/C	W/R	
2	PIPING CLEANING	6800.P88	W/C	W/R	
3	FREE ROTATION BY HANDS	6800.P88	W/C	W/R	
4	DIRECTION OF ROTATION	6800.P88	W/C	W/R	
5	ALIGNMENT	6800.P88	W/C	W/R	
6	OIL FILLING	6800.P88	W/C	W/R	
7	PRE-CHARGING PULSATION DAMPER CHECK	6800.P88	W/C	W/R	
8	CALIBRATION POT AND PSV INSTALLATION	6800.P88	W/C	W/R	
9	CHEMICAL FILLING	6800.C88	W/C	W/R	
10	RUN-IN	6800.C88	H	H	
AM	HOISTS AND MONORAILS				
1	CHECK FOR CORRECT INSTALLATION	6800.P88	W/C	W/R	
2	ELECTRICAL INSTALLATION CHECK	6800.P89	W/C	W/R	
3	INSTRUMENT INSTALLATION CHECK	6800.P89	W/C	W/R	
4	NO-LOAD OPERABILITY TEST	6800.P89	W/C	W/R	
5	TEST WEIGHTS INSPECTION AND WEIGHTS CERTIFICATION CHECK	6800.C89	W/C	W/R	(1)
6	LOAD TEST	6800.C89	W/C	W/R	(1)
7	OVERLOAD TEST	6800.C89	W/C	W/R	(1)
AN	BRIDGE CRANES				
1	CHECK FOR CORRECT INSTALLATION	6800.P90	W/C	W/R	

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S.NO	CHECK AND TEST DESCRIPTION	QCR CODE	SITE INSPECTION EXTENT		NOTES
			CONTRACTOR	TECHNIP	
2	ELECTRICAL INSTALLATION CHECK	6800.P90	W/C	W/R	
3	INSTRUMENT INSTALLATION CHECK	6800.P90	W/C	W/R	
4	OIL LEVELS CHECK	6800.P90	W/C	W/R	
5	HYDRAULIC CIRCUITS CHECK	6800.P90	W/C	W/R	
6	UTILITIES SUPPLY CHECK	6800.P90	W/C	W/R	
7	NO-LOAD OPERABILITY TEST	6800.P90	W/C	W/R	
8	TEST WEIGHTS INSPECTION AND WEIGHTS CERTIFICATION CHECK	6800.C90	W/C	W/R	(1)
9	LOAD TEST	6800.C90	W/C	W/R	(1)
10	OVERLOAD TEST	6800.C90	W/C	W/R	(1)
AO	LIFTS AND ELEVATORS				
1	LIFT AND RACK CLEANLINESS INSPECTION	6800.P91	W/C	W/R	
2	CHECK FOR CORRECT INSTALLATION	6800.P91	W/C	W/R	
3	ELECTRICAL INSTALLATION CHECK	6800.P91	W/C	W/R	
4	INSTRUMENT INSTALLATION CHECK	6800.P91	W/C	W/R	
5	CHECK THE MAINTENANCE ACCESS AT THE LIFT STATION	6800.P91	W/C	W/R	
6	CHECK THE TRAPDOOR OPERATION IN THE CAR ROOF	6800.P91	W/C	W/R	
7	CHECK THE STOPS INSTALLATION AT THE TOP AND BOTTOM OF THE SHAFT	6800.P91	W/C	W/R	
8	PIT-PROP OPERATION	6800.P91	W/C	W/R	
9	SEAL UP CHECK	6800.P91	W/C	W/R	
10	NO-LOAD OPERABILITY TEST	6800.P91	W/C	W/R	
11	TEST WEIGHTS INSPECTION AND WEIGHTS CERTIFICATION CHECK	6800.C91	W/C	W/R	
12	LOAD TEST	6800.C91	W/C	W/R	(1)
13	OVERLOAD TEST	6800.C91	W/C	W/R	(1)
14	DRIVING MACHINE BREAKING TEST	6800.C91	W/C	W/R	(1)
AP	MISCELLANEA				
1	INSPECTION REPORT	W12	P	R	(2)

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		CLIENT	INDIAN OIL CORPORATION LIMITED		
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NOTE:

- (1) To be performed during precommissioning or commissioning phase in accordance with Project Completion Responsibility Matrix.
- (2) Split of site inspection responsibilities depends from the type of the inspection performed and the Contract requirements.

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.
- 3 Equipment leak test, tightness test and purging shall be performed and recorded during "System" leak test, tightness test and purging