

Appendix C-8

Standard DCI (Document Control Index) /MCI (Material Control Index)

The standard DCI (Document Control Index) and MCI (Material Control Index) indicates in general the documents to be covered for the following categories of facilities during detailed engineering.

1. Process platform and its modifications
2. Well head platform and its modifications
3. Sub-sea Pipeline and sub-sea cable

The standard DCI/MCI is not exhaustive. Design consultant of LSTK contractor shall finalize the project DCI/MCI in line with the standard DCI/MCI and the project scope of work and obtain approval from ONGC.

1. Document numbering system

While generating DCI/MCI, contractor shall ensure that a standard numbering system is followed for all documents from which it shall be possible to identify the project, facility, discipline and type of drawing/document.

1	Project No	xxxxxxx
2	Name of the facility	Platform / Pipeline /Mod. Platform / Gen
3	Disciplines	
	PR	PROCESS
	ST	STRUCTURE
	ME	MECHANICAL
	EL	ELECTRICAL
	IN	INSTRUMENTATION
	PP	PIPING
	PL	PIPELINE
	HS	HSE
4	Drawings / Documents	
	P&ID	PID
	Process Flow Diagram	PFD
	Calculation	CAL
	Report	RPT
	Data sheet	DS
	Drawing	DWG
	SLD/Logic /wiring diagram	LD
	Miscellaneous	MIS
	Cause and Effect Matrix	MTX
	Installation and Hook-up	INTL
	Area Lay outs	LO
	Specification	SPE
	Purchase specification	PS

A typical document number is provided below for reference;

	Project no	Discipline	Facility	Type of document	Unique no
DCI	xxxxxx	PR	NLG	PID	xxxxxxx
MCI	xxxxxx	ME	???	PS	xxxxxxx

2. Documents category

All engineering documents are classified under the following categories A /I/R:

A	Documents requiring ONGC approval
I	Documents submitted for record, unless commented upon by ONGC
R	Documents reviewed by ONGC

3. Sequencing of Documents in DCI/MCI

Mother documents of succeeding documents have been identified in the standard DCI/MCI and listed as preceding documents, wherever applicable. Contractors shall ensure the availability of preceding documents at appropriate stages (Submitted/ Reviewed / Approved) in their DCI/MCI for proper review the succeeding documents. In case of MCI, preceding documents are required to be submitted for 2nd stage of Purchase specifications only. This is to ensure proper sequencing / interlinking of document submission and avoid wastage of time and resources in review and re submission.

S	Submit document along with or after preceding document
R	Submit document along with or after resubmission of preceding document after review by ONGC
A	Submit document after approval of preceding document.

4. Review cycle

- In general, DCI/MCI documents shall be reviewed within 10 working days by ONGC except for a few voluminous /complex documents requiring more time for review, for which specific review time is mentioned for the first review in the standard DCI /MCI. All subsequent revisions will be reviewed by ONGC with in 10 working days. In case of MCI, review time in excess of 10 days will be applicable for 2nd stage PS only except for PGC, where review time shall be applicable for both 1st stage and 2nd stage of PS.
- While finalizing DCI/MCI, the contractor shall ensure smooth and continuous flow of documents for review and avoid bunching of documents. In case of projects with multiple facilities, the submission schedule of voluminous documents (e.g P&IDs, structural documents etc.,) shall be firmed up in consultation with ONGC ensuring that there is no bunching of documents at any stage during engineering.
- Contractor needs to follow the submission schedule as per approved project DCI/MCI. In case of submission out of schedule and Bunching of documents by the contractor, the review schedule will not be maintained. Documents submitted out of sequence (without preceding document) will be returned back without review.

d. Documents requiring resolution on priority shall be brought to the notice of ONGC by the contractor through correspondence for speedy clearance of such documents through deputations of Discipline engineers to the Design centre.

e. Documents submitted by the contractor shall be categorized for review and engineering progress as follows:

Category	Document status	Review and Progress
Cat C	Document Irrelevant / out of sequence ; Document not meeting Bid requirement/ Standards	Document returned back without review. No engineering progress
Cat B	Document has deficiencies but after modifications the document can be approved.	Document will be reviewed with 60 % engineering progress accounted on submission;
Cat A	Document is found in order for approval / Review / Information	Approved with 100 % engineering progress.

- f. All revisions shall be submitted after resolution of ONGC's comments through Comment Resolution sheet (CRS).
- g. All Revisions shall be clearly marked / clouded by the design consultant and indexed on the front page. Only the clouded / marked portion shall be reviewed by ONGC. Any revision to the document without proper marking / clouding will not be taken cognizance of by ONGC at any stage and any changes will be considered to have been carried out without ONGC approval. However, if such changes are noticed by ONGC, the document will be returned without review for resubmission.
- h. All engineering documents shall be generated/reviewed and endorsed by the contractor's design agency.

5. MCI

a. PS shall be submitted in two stages i.e. First stage and second stage.

b. 5% progress of the Weight factor of a particular item against Procurement will be accounted on approval of 1st stage PS and the rest 5% on approval of 2nd stage PS.

Process Platform and Modification

DCI A Process platform and modification-Electrical						
Sr No	Doc No	Description	Cat A/R/I	Time for review	Predecessor Document	Predecessor Document stage
1	XXXXXX-EL-XXXXXX-CAL-XXXXXX	Load List	A	10	Process equipment sizing report	S
2	XXXXXX-EL-XXXXXX-MIS-XXXXXX	Electrical Equipment List	A	10	Load List	S
3	XXXXXX-EL-XXXXXX-CAL-XXXXXX	Sizing Of Electrical Equipment	A	10	Load list	S
4	XXXXXX-EL-XXXXXX-LD-XXXXXX	Single Line Diagrams For AC / DC	A	10	Electrical equipment list	S
5	XXXXXX-EL-XXXXXX-DS-XXXXXX	Data Sheets Of Electrical Equipment/Switchgear	A	10	SLD and sizing of electrical equipment	S
6	XXXXXX-EL-XXXXXX-RPT-XXXXXX	Load Flow Study	A	10	SLD, cable sizing, data sheet of equipment	S
7	XXXXXX-EL-XXXXXX-MIS-XXXXXX	Power Management System, HMI, Load Shedding Details	A	10	SLD, cable sizing, data sheet of equipment	S
8	XXXXXX-EL-XXXXXX-RPT-XXXXXX	Transient Stability Analysis	A	10	SLD, cable sizing, data sheet of equipment	S
9	XXXXXX-EL-XXXXXX-RPT-XXXXXX	Motor Starting Analysis	A	10	SLD, cable sizing, data sheet of equipment	S
10	XXXXXX-EL-XXXXXX-RPT-XXXXXX	Short Circuit Calculations	A	10	SLD, cable sizing, data sheet of equipment	S
11	XXXXXX-EL-XXXXXX-CAL-XXXXXX	Cable Voltage Drop Calculations	A	10	SLD, cable sizing, data sheet of equipment	S
12	XXXXXX-EL-XXXXXX-CAL-XXXXXX	Lighting Calculations	A	10	Area layout	S
13	XXXXXX-EL-XXXXXX-RPT-XXXXXX	Black Out Restoration Procedure	A	10	Synchronizing and Load Transfer study	S
14	XXXXXX-EL-XXXXXX-RPT-XXXXXX	Synchronising And Load Transfer Study	A	10	SLD	S
15	XXXXXX-EL-XXXXXX-CAL-XXXXXX	C P Calculations	A	10		
16	XXXXXX-EL-XXXXXX-LO-XXXXXX	Area Classification Drawings	A	10	Equipment layout.	S
17	XXXXXX-EL-XXXXXX-LO-XXXXXX	Electrical Equipment Layouts (Swgr/Battery/Transformer/Nav Aid/ Etc)	A	10	Vendor data of equipment / Switch gear	S
18	XXXXXX-EL-XXXXXX-RPT-XXXXXX	Relay Coordination	A	10	SLD	S
19	XXXXXX-EL-XXXXXX-LD-XXXXXX	Control Schematics	A	10	SLD	S
20	XXXXXX-EL-XXXXXX-LD-XXXXXX	CCTV System Block Diagrams	A	10	Area layout	S
21	XXXXXX-EL-XXXXXX-LD-XXXXXX	CCTV Layouts	A	10	Area layout	S
22	XXXXXX-EL-XXXXXX-LD-XXXXXX	Overall Telecommunication Block Diagram	A	10		
23	XXXXXX-EL-XXXXXX-LD-XXXXXX	Paging & Intercom System Block Diagram	A	10	Equipment layout	S
24	XXXXXX-EL-XXXXXX-LD-XXXXXX	Radio System Block Diagram	A	10		
25	XXXXXX-EL-XXXXXX-LD-XXXXXX	Telephone System And EPABX Block Diagram	A	10		
26	XXXXXX-EL-XXXXXX-LD-XXXXXX	LAN System Block Diagram	A	10		

Note:-

For modification projects, Pre engineering survey shall be an additional document and this document shall be the predecessor document for all the main documents

DCI A Process platform and modification-Instrumentation						
SL. NO.	Doc No.	Description	Cat A/R/I	Time for review	Predecessor Documents with Status	Predecessor Document stage
1	XXXXXX-IN-XXXXXXXX-DWG-XXXXXXXX	Overall Control System Architecture Drawing	A	10	Operation and Control Philosophy & P&ID	A
2	XXXXXX-IN-XXXXXXXX-LO-XXXXXXXX	ESD, FSD and Fusible plug loop layouts	A	10	Equipment Layout	R
3	XXXXXX-IN-XXXXXXXX-LO-XXXXXXXX	Fire and Gas detectors layout	A	10	Equipment Layout	R
4	XXXXXX-IN-XXXXXXXX-LO-XXXXXXXX	Control room & instrument equipment room (IER) layout	A	10	DCS PS, F&G PLC PS ESD PLC PS	R
5	XXXXXX-IN-XXXXXXXX-MTX-XXXXXXXX	Fire & Gas cause & effect chart matrix	A	10	Fire and Gas detectors layout	A
PROCESS GAS COMPRESSOR (DCI)						
1	XXXXXX-IN-XXXXXXXX-PID-XXXXXXXX	Instrumentation control philosophy and control interface requirement with DCS, ESD and FSD	A	10	P&ID	R
2	XXXXXX-IN-XXXXXXXX-LO-XXXXXXXX	Fire & Gas detector layout.	A	10	Equipment Layout	R
3	XXXXXX-IN-XXXXXXXX-MTX-XXXXXXXX	Fire & Gas cause & effect chart matrix	A	10	Fire and Gas detectors layout	A

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DCI A Process platform and modification-Mechanical						
Sr No	Doc No	Description	Cat A/R/I	Time for review	Predecessor Document	Predecessor Document stage
1	XXXXX-ME-XXXXX-RPT-XXXXX	Material Handling Study Report	A	10	Safety layout Preliminary details of the equipment	R
2	XXXXX-ME-XXXXX-RPT-XXXXX	HVAC Design Philosophy	A	10	Equipment layout	R
3	XXXXX-ME-XXXXX-MIS-XXXXX	Module String Test Procedure	R	10		
4	XXXXX-ME-XXXXX-MIS-XXXXX	Sound Level Measurement Procedure	R	10		
5	XXXXX-ME-XXXXX-MIS-XXXXX	72 Hours Run Test Procedure (Offshore)	R	10		
6	XXXXX-ME-XXXXX-RPT-XXXXX	PGC Material Handling Report	A	10	Safety layout Preliminary details of the equipment	R

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DCI-A Safety					
Sr No	Description	Cat A/R/I	Time for review	Predecessor Document	Predecessor Document stage
1	HAZID Report	R	10	Equipment layout, Safety Layout	R
2	HAZID Close Out	R	10	HAZID Report	R
3	HAZOP Report	R	10	P&ID	R
4	HAZOP Close Out	R	10	HAZOP Report	R
5	QRA Study Report	R	10	HAZID and HAZOP study Report	R
6	SIL	R	10	HAZOP workshop, Instrument and control system archeticture	R
7	Safety and Escape Route Layout	A	10	Equipment layout,	S
8	C-HAZOP	A	10	Instrument and control system archeticture	R

DCI A Process platform and modification-Piping						
Sr No	Doc No	Description	Cat A/R/I	Time for review	Predecessor Document	Predecessor Document stage
1	XXXXXX-PI-GEN- CAL-XXXXXX	PIPE WALL THICKNESS CALCULATION REPORT	A	10	Process design criteria & P&IDs	S
2	XXXXXX-PI-GEN- SPE-XXXXXX	PIPING MATERIAL SPECIFICATION	A	10	Process design criteria & P&IDs , PWT	S
3	XXXXXX-PI-GEN- SPE-XXXXXX	VALVE MATERIAL SPECIFICATION	A	15	Process design criteria & P&IDs , PMS	S
4	XXXXXX-PI-GEN- SPE-XXXXXX	PIPE STRESS ANALYSIS PHILOSOPHY	A	10		
5	XXXXXX-PI-GEN- SPE-XXXXXX	3D MODEL EXECUTION PHILOSOPHY	A			
6	XXXXXX-PI-GEN-DS-XXXXXX	DATASHEET FOR SPECIALITY ITEMS	A	15	Process design criteria & P&IDs , PMS & Process Data Sheet	S
7	XXXXXX-PI-GEN-RPT-XXXXXX	PRE-ENGINEERING SURVEY REPORT-PIPING (Topside Modification works)	A	10	Process design criteria & P&IDs	S
8	XXXXXX-PI-XXXXXX-LO-XXXXXX	EQUIPMENT LAYOUT - ALL LEVELs/DECKs (As applicable in Project)	A	15	Multi Disciplinary /Submission of Process design criteria & P&IDs	S
9	XXXXXX-PI-GEN-RPT-XXXXXX	STRESS CRITICAL LINE LIST	A	10		
10	XXXXXX-PI-GEN-RPT-XXXXXX	STRESS ANALYSIS REPORT - SYSTEM 1,2,...	A	10		
	MODEL REVIEW					
1		30% MODEL REVIEW	R		Approved Equipment layout, P&IDs	S
2		60% MODEL REVIEW	R			
3		90% MODEL REVIEW	R			
4		90% MODEL CLOSEOUT REPORT	R			
	DOCUMENTS IN REVIEW CATEGORY FOR TOPSIDE MODIFICATION JOBS WHERE MODEL IS NOT ENVISAGED					
1	XXXXXX-PI-XXXXXX-DWG-XXXXXX	PIPING GENERAL ARRANGEMENT DRAWING -ABOVE & BELOW ALL DECK LEVELS (As applicable in the project)	R	10		

Note:-

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DCI Process platform cum modification-Process						
Sr No	Doc No	Description	Cat A/R/I	Time for review	Predecessor Document	Predecessor Document stage
1	XXXXXX-PR-GEN-RPT-XXXXXX	Process Design Basis	A	10		
2	XXXXXX-PR-GEN-RPT-XXXXXX	Process Simulation Report	A	10	Process Design Basis	S
3	XXXXXX-PR--XXXXXX-PFD-XXXXXX	PFD with Heat & Material Balance	A	10	Process Design Basis, Process Simulation Report	S
4	XXXXXX-PR-GEN-RPT-XXXXXX	Utility Consumption Report	A	10	Process Design Basis, Vendor Data	S
5	XXXXXX-PR-XXXXXX-PFD-XXXXXX	UFD	A	10	Process Design Basis, Vendor Data	S
6	XXXXXX-PR-XXXXXX-PID-XXXXXX	Process Platform - PIDs	A	10	Process Design Basis, Isolation Philosophy	S
7	XXXXXX-PR-XXXXXX-PID-XXXXXX	Modification - PIDs	A	10	Process Design Basis, Isolation Philosophy, Pre-Engineering Survey Report	S
8	XXXXXX-PR-GEN-RPT-XXXXXX	Isolation philosophy	A	10		
9	XXXXXX-PR-XXXXXX-CAL-XXXXXX	Process Line Sizing Report	A	10	Process Design Basis, Process Simulation Report, PIDs	S
10	XXXXXX-PR-XXXXXX-CAL-XXXXXX	Utility Line Sizing Report	A	10	Process Design Basis, Process Simulation Report, PIDs, Process Line size report	S
11	XXXXXX-PR-XXXXXX-CAL-XXXXXX	Equipment Sizing Report - Rotary	A	10	Process Design Basis, Process Simulation Report, Vendor Data	S
12	XXXXXX-PR-XXXXXX-CAL-XXXXXX	Equipment Sizing Report - Static	A	10	Process Design Basis, Process Simulation Report, Vendor Data, Equipment sizing Report- Rotary	S
13	XXXXXX-PR--XXXXXX-DS-XXXXXX	Process Data Sheets for equipments - Equipmentwise	A	10	Process Design Basis, Process Simulation Report, Equipment Sizing Report, Safety Valve Sizing Report	S
14	XXXXXX-PR--XXXXXX-DS-XXXXXX	Process data sheet for instruments - Typewise	A	10	Process Design Basis, Process Simulation Report, PIDs, Alarm & Trip Schedule	S
15	XXXXXX-PR-XXXXX-RPT-XXXXXX	Cause & Effect Matrix	A	10	Process Design Basis, PIDs	S
16	XXXXXX-PR-XXXXX-RPT-XXXXXX	SAFE Chart	A	10	Process Design Basis, PIDs	S

17	XXXXXX-PR-XXXX-RPT-XXXXXX	Alarm & Trip Schedule	A	10	Process Design Basis, Process Simulation Report, PIDs	S
18	XXXXXX-PR-XXXXXX-CAL-XXXXXX	Safety Valve Sizing Report	A	10	Process Design Basis, Process Simulation Report, Equipment Sizing Report, Vent Relief and load Calculation Report, PIDs	S
19	XXXXXX-PR-XXXXXX-CAL-XXXXXX	Vent Relief and load Calculation Report	A	10	Process Design Basis, Process Simulation Report, Equipment Sizing Report, PIDs, Latest Piping Isometrics	
20	XXXXXX-PR-XXXXXX-CAL-XXXXXX	Cold temperature study report	A	10	Process Design Basis, Process Simulation Report, Equipment Sizing Report, Vent Relief and load Calculation Report	S
21	XXXXXX-PR-XXXXXX-CAL-XXXXXX	Vent Dispersion and Radiation Report	A	10	Process Design Basis, Process Simulation Report, Equipment Sizing Report, Vent Relief and load Calculation Report	
22	XXXXXX-PR-XXXX-RPT-XXXXXX	Process Equipment List	A	10	Process Design Basis, Process Simulation Report, Equipment Sizing Report, PIDs	S
23	XXXXXX-PR-XXXX-RPT-XXXXXX	Line list	R	10		S
24	XXXXXX-PR-XXXXXX-CAL-XXXXXX	Fire Water Demand Calculation	A	10	Process Design Basis, Equipment Sizing Report	S
25	XXXXXX-PR-XXXXXX-CAL-XXXXXX	Fire Water Hydraulic Calculations	A	10	Process Design Basis, Equipment Sizing Report, Fire Water Demand Calculation	S
26	XXXXXX-PR-XXXXXX-CAL-XXXXXX	Transient Analysis Report	A	10	Process Design Basis, PIDs	S
27	XXXXXX-PR-XXXX-RPT-XXXXXX	Computational Fluid Dynamics for Cyclone Separator	A	10	Process Design Basis, Process Simulation Report, Equipment Sizing Report, Vendor Data	S
28	XXXXXX-PR-XXXX-RPT-XXXXXX	Computational Fluid Dynamics for HP Separator	A	10	Process Design Basis, Process Simulation Report, Equipment Sizing Report, Vendor Data	S

29	XXXXXX-PR-XXXXX-RPT-XXXXXX	Computational Fluid Dynamics of any other separator/ separators/ Vessel for which CFD will be required for the Project	A	10	Process Design Basis, Process Simulation Report, Equipment Sizing Report, Vendor Data	S
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Note:-

For modification projects, Pre engineering
survey shall be an additional document
and this document shall be the
predecessor document for all the main
documents

DCI A Process Platforms-Structure							
	Doc No.	Description of document	DOC Category		Review Time in working days	Preceding Document / Remarks	Predecessor Document stage
SL NO			DOC Category - ONGC	DOC Category - MWS			
A		Jacket Analysis Reports			10		
1	XXXXXX-ST-XXXXXX-RPT-XXXXXX	Structural & Foundation Design Basis	A		20		
2	XXXXXX-ST-XXXXXX-RPT-XXXXXX	Jacket & Pile configuration Report	A		20	Pre engg survey reports, equipment layout,preliminary SACS files ,preliminary drivability for hammer selection,Soil Investigation Report from IEOT, Preliminary Jacket Inplace & psiinp SACS file.	S
3	XXXXXX-ST-XXXXXX-RPT-XXXXXX	Jacket Inplace Analysis Report	A		20	Pre engg survey reports, equipment layout, Pile config. Report,first run of pre service reports	S
4	XXXXXX-ST-XXXXXX-RPT-XXXXXX	Jacket Fatigue Analysis With Pile Fatigue (Driving & Inservice) Report	A		20	Jacket Inplace analysis	S
5	XXXXXX-ST-XXXXXX-RPT-XXXXXX	Jacket & Deck Sesmic Analysis Report	A		20	Jacket Inplace analysis	S
6	XXXXXX-ST-XXXXXX-RPT-XXXXXX	Jacket Load Out Analysis Report For Structural Adequacy	R	**	10	Jacket Inplace analysis	
7	XXXXXX-ST-XXXXXX-RPT-XXXXXX	Jacket Transportation Analysis For Structural Adequacy - Priliminary	R	**	10	Jacket Inplace analysis	
8	XXXXXX-ST-XXXXXX-RPT-XXXXXX	Jacket Lift Analysis (If Applicable) With Structural Adequacy & Pad Eye / Trunnion Design	R	**	10	Jacket Inplace analysis	
9	XXXXXX-ST-XXXXXX-RPT-XXXXXX	Jacket Launch Analysis (If Applicable) With Structral Adequacy	R	**	10	Jacket Inplace analysis	
10	XXXXXX-ST-XXXXXX-RPT-XXXXXX	Jacket Floatation & Upending Analysis With Structural Adequacy With Buoyancy Tank, Pad Eye Design	R	**	10	Jacket Inplace analysis	
11	XXXXXX-ST-XXXXXX-RPT-XXXXXX	Jacket On-Bottom Stability Analysis With Structural Adequacy	R	**	10		
12	XXXXXX-ST-XXXXXX-RPT-XXXXXX	Pile Drivability, Lifting, Stick-Up Analysis Report	A	**	15	Jacket Inplace analysis	S
13	XXXXXX-ST-XXXXXX-RPT-XXXXXX	Boat Landing & Barge Bumper Analysis & Design Report for boat impact	A		10		S
14	XXXXXX-ST-XXXXXX-RPT-XXXXXX	Jacket Miscellaneous Design & Analysis Report	A	**	10	Jacket Inplace analysis	
15	XXXXXX-ST-XXXXXX-RPT-XXXXXX	Detail Fabrication Procedure - Jacket	A		10		
16	XXXXXX-ST-XXXXXX-RPT-XXXXXX	Material Inspection , Traceability& Storage Procedure	R		10	Before commencement of fabrication	
17	XXXXXX-ST-XXXXXX-RPT-XXXXXX	Loadout Procedure	R	**	10	* Before loadout starts	
18	XXXXXX-ST-XXXXXX-RPT-XXXXXX	Jacket Installation Procedure(including pile monitoring & re-strike test procedure,pile refusal-remedial procedure and post piling procedure etc.)	R	**	10	* Before Installation Starts	
B		Jacket Drawings					
1	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Jacket Drawing Index	A		10		

2	XXXXXX-ST-XXXXX-DWG-XXXXXX	General notes for Jacket	A		10		
3	XXXXXX-ST-XXXXX-DWG-XXXXXX	Welding details for jacket	A		10		
4	XXXXXX-ST-XXXXX-DWG-XXXXXX	Deck adjustable stair details	A		10		
5	XXXXXX-ST-XXXXX-DWG-XXXXXX	Escape ladder details from Jacket walkway to cellar deck	A		10		
6	XXXXXX-ST-XXXXX-DWG-XXXXXX	Standard handrail and grating details & fixing arrangement	A		10		
7	XXXXXX-ST-XXXXX-DWG-XXXXXX	Jacket Vertical Framing Along Row A & B	A		10	Jacket Inplace analysis	A
8	XXXXXX-ST-XXXXX-DWG-XXXXXX	Jacket Vertical Framing Along Row 1&2	A		10	Jacket Inplace analysis	A
9	XXXXXX-ST-XXXXX-DWG-XXXXXX	Jacket Vertical Framing Along Different Rows As Applicable	A		10	Jacket Inplace analysis	A
10	XXXXXX-ST-XXXXX-DWG-XXXXXX	Jacket Horizontal Framing At Splash Zone Level	A		10	Jacket Inplace analysis	A
11	XXXXXX-ST-XXXXX-DWG-XXXXXX	Jacket Horizontal Framing At Different Levels	A		10	Jacket Inplace analysis	A
12	XXXXXX-ST-XXXXX-DWG-XXXXXX	Jacket Skirt Sleeve Details As Applicable	A		10	Pile drivability analysis	A
13	XXXXXX-ST-XXXXX-DWG-XXXXXX	Jacket Main Pile Details	A		10	Pile drivability analysis	A
14	XXXXXX-ST-XXXXX-DWG-XXXXXX	Jacket Skirt Pile Details As Applicable	A		10	Pile drivability analysis	A
15	XXXXXX-ST-XXXXX-DWG-XXXXXX	Jacket Fatigue Inspection Location	A		10	Fatigue analysis	A
16	XXXXXX-ST-XXXXX-DWG-XXXXXX	Jacket Profile Weld Location	A		10	Fatigue analysis	A
17	XXXXXX-ST-XXXXX-DWG-XXXXXX	Pile Spacer Details	A		10	Pile drivability analysis	A
18	XXXXXX-ST-XXXXX-DWG-XXXXXX	Jacket Transition Piece	A		10		
19	XXXXXX-ST-XXXXX-DWG-XXXXXX	Skirt Pile Guide Details	A		10	Pile drivability analysis	S
20	XXXXXX-ST-XXXXX-DWG-XXXXXX	Crown Shim Details	A		10		
21	XXXXXX-ST-XXXXX-DWG-XXXXXX	Riser Protecort Details	A		10	Riser protector design	
22	XXXXXX-ST-XXXXX-DWG-XXXXXX	Jacket Leg Strip/Rub strip Details	A		10		
23	XXXXXX-ST-XXXXX-DWG-XXXXXX	Pile Fatigue Drawing	A		10	After Submission Of Respective Analysis Report	S
24	XXXXXX-ST-XXXXX-DWG-XXXXXX	Boat Landing/Boat landing cum barge bumper	A	R	10		
25	XXXXXX-ST-XXXXX-DWG-XXXXXX	Stand alone Barge Bumper	A	R	10	Equipment layout and safety study	
26	XXXXXX-ST-XXXXX-DWG-XXXXXX	Buoyancy tanks and details of connection with jacket legs	R	**	10	Preservice analysis of jacket	
27	XXXXXX-ST-XXXXX-DWG-XXXXXX	Launch Cradle Drawing (If Applicable)	R	**	10	After Submission Of Respective Analysis Report	S
28	XXXXXX-ST-XXXXX-DWG-XXXXXX	Sea-Fastening Related Drawings	R	**	10	After Submission Of Respective Analysis Report	S
29	XXXXXX-ST-XXXXX-DWG-XXXXXX	Mudmat Related Drawings	R	**	10	After Submission Of Respective Analysis Report	S
C		Deck/Module Design & Analysis Reports					
1	XXXXXX-ST-XXXXX-RPT-XXXXXX	Deck/Module Inplace Analysis Report	A		20	Equipmet layout, first run of pre service reports	S
2	XXXXXX-ST-XXXXX-RPT-XXXXXX	Deck building module & Heli Deck Analysis	A		20	Equipment layout	S
3	XXXXXX-ST-XXXXX-RPT-XXXXXX	Deck/Module Load Out Analysis Report For Structural Adequacy	R	**	10	Deck inplace analysis	S
4	XXXXXX-ST-XXXXX-RPT-XXXXXX	Deck/Module Transportation Analysis - Barge Motion Analysis With Seafastening Design.	R	**	10	Deck inplace analysis	S
5	XXXXXX-ST-XXXXX-RPT-XXXXXX	Deck/Module Lift Analysis With Structural Adequacy & Pad Eye / Spreader Frame Design	R	**	10	Deck inplace analysis	S
6	XXXXXX-ST-XXXXX-RPT-XXXXXX	Miscellaneous calculation for plating,secondary beams ,staircase,ladder,stabbing guide ,monorail etc.	A		15	Equipmet layout	S
		Deck Joint Design Report- Cellar Deck			15		
7	XXXXXX-ST-XXXXX-RPT-XXXXXX	Deck Joint Design Report-Main Deck	A		15	Framing Plans & Truss Elevations	S
		Deck Joint Design Report-Others			15		
8	XXXXXX-ST-XXXXX-RPT-XXXXXX	Detail Fabrication Procedure - Top Side		**	10		S
9	XXXXXX-ST-XXXXX-RPT-XXXXXX	Material Inspection ,Traceability & Storage Procedure		**	10		S
10	XXXXXX-ST-XXXXX-RPT-XXXXXX	Deck/Module Weight Control Report.	R	R	10		S
11	XXXXXX-ST-XXXXX-RPT-XXXXXX	Loadout Procedure		**	10		S
12	XXXXXX-ST-XXXXX-RPT-XXXXXX	Deck installation Procedure		**	10		S
D		Deck/Module Drawing					
1	XXXXXX-ST-XXXXX-DWG-XXXXXX	General notes for Deck	A		10		
2	XXXXXX-ST-XXXXX-DWG-XXXXXX	Standard deck connection details	A		10		
3	XXXXXX-ST-XXXXX-DWG-XXXXXX	Standard deck welding details	A		10		
4	XXXXXX-ST-XXXXX-DWG-XXXXXX	Standard deck staircase details	A		10		
5	XXXXXX-ST-XXXXX-DWG-XXXXXX	Standard deck ladder details	A		10		
6	XXXXXX-ST-XXXXX-DWG-XXXXXX	Standard handrail and grating details & fixing arrangement	A		10		

7	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Standard deck Barrier detailsILS	A		10		
8	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Staircase Details connecting decks (levelwise)	A		10		
9	XXXXXX-ST-XXXXXX-DWG-XXXXXX	SURVIVAL CRAFT	A		10		
10	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Sub Cellar Deek Framing Plan & cellar Deck Framing Plan	A		10	Deck inplace analysis	A
11	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Main Deck Framing Plan	A		10	Deck inplace analysis	A
12	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Electrical,Batteryroom And Shelter Room Roof Framing Plan	A		10	Equipmet layout	A
13	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Solar Panel Level Framing Plan	A		10	Equipmet layout	A
14	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Helideck Framing Plan	A		10	Helideck Design Report	A
15	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Subcellar Deck Grating And Handrail Layout	A		10	Equipmet layout	
16	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Cellar Deck Plating,Gratingand Handrail Layout	A		10	Equipmet layout	
17	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Main Deck Plating,Grating And Handrail Layout	A		10	Equipmet layout	
18	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Electrical,Battery,Shelter Room Grating,Plating Handrail Layout	A		10	Equipmet layout	
19	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Deck Vertical Framing Along Different Rows As Applicable	A		10	Deck inplace analysis	A
20	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Cellar Deck Joint Details Mark Up Plan	A		10	Joint calculation	A
21	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Main Deck Joint Details Mark Up Plan	A		10	Joint calculation	A
22	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Helideck Joint Details Mark Up Plan	A		10	Joint calculation	A
23	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Deck Joint Details	A		10	Joint calculation	A
24	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Deck Stabbing Guide Details(Connection Between Jacket And Deck With Adjustment Of Height)	A		10	Misc Calculation	A
25	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Equipment Support Details	A		10	Misc Calculation	
26	XXXXXX-ST-XXXXXX-DWG-XXXXXX	GA And Details Of Access Platform	A		10		
27	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Deck Lifting Arrangement	R	**	10	Preservice analysis	
28	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Deck Lifting Padeye Details	R	**	10	Preservice analysis	
E		ARCHITECTURAL					
1	XXXXXX-ST-XXXXXX-RPT-XXXXXX	Architectural design basis	A		10		
2	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Architectural General Notes	A		10		
3	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Architectural Drawing Index	A		10		
4	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Architectural Layout Plan - Level wise	A		10	Equipment layout & roomwise arragement of furnitures	
5	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Architectural Fire Rating / Insulation Layout Plan - Level wise	A		10		
6	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Architectural Ceiling Layout Plan - Level wise	A		10		
7	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Architectural Door and Window Plan - Level wise	A		10		
8	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Architectural Finish Floor Layout - Level wise	A		10		

9	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Architectural Internal Lining and Wall Partition Layout - Level wise	A		10		
10	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Architectural Door & Window Schedule - Level wise	A		10		
11	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Architectural Room Finishes Schedule	A		10		
12	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Architectural Furniture and Equipment Schedule Level wise	A		10		
13	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Architectural Furniture and Equipment Layout - Level wise	A		10		
14	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Architectural Signage Schedule and details Level wise	A		10		
15	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Architectural Room Sanitary Schedule	A		10		
16	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Architectural Room Finishes Schedule	A		10		
F		Bridge Report (New)					
1	XXXXXX-ST-XXXXXX-RPT-XXXXXX	Bridge Inservice & Preservice Analysis Report			10	General layout of the complex	
G		Bridge- Drawing Index					
1	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Bridge Lower Level Framing Plan			10	In service and presevice analysis of bridge	
2	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Bridge Middle Level Framing Plan			10	In service and presevice analysis of bridge	
3	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Bridge Upper Level Framing Plan			10	In service and presevice analysis of bridge	
4	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Bridge Elevation			10	In service and presevice analysis of bridge	
5	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Bridge Walkway Details			10	Bridge General Arrangement	
6	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Bridge Lifting Trunion Details		**	10	Preservice analysis	
7	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Bridge Walkway Grating & Handrail Layout			10	Bridge General Arrangement	
8	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Bridge Roof Sheeting Arrangement			10	Bridge General Arrangement	
9	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Bridge Side Sheeting Arrangement - Sheet 1 Of 2			10	Bridge General Arrangement	
10	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Bridge Side Sheeting Arrangement - Sheet 2 Of 2			10	Bridge General Arrangement	
11	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Bridge Fixed End Details			10	misc calculations	
13 14	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Bridge Sliding End Details			10	misc calculations	
15	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Bridge Loadout Arrangement		**	10	Preservice analysis	
16	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Bridge Seafastening Drawings -		**	10	Preservice analysis	

H		Modification Work At Platforms					
1	XXXXXX-ST-XXXXXX-RPT-XXXXXX	Pre Engineering Survey Report			10		
		Modification Drawings					
I		Bridge Landing					
1	XXXXXX-ST-XXXXXX-RPT-XXXXXX	Modification Structural Analysis Report (Deck)			10	SIA study report, Equipment layout & Analysis Report	
2	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Structural Framing At Cellar Deck Level			10	Structural Analysis Report	
3	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Structural Framing At Main Deck Level			10	Structural Analysis Report	
4	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Grating Plating & Handrail Layout At Cellar Deck Level			10	Safety Study Report	
5	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Grating Plating & Handrail Layout At Main Deck Level			10	Safety Study Report	
6	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Joint Details - Cellar Deck Framing			10	Design Calculation	
7	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Joint Details - Main Deck Framing			10	Design Calculation	

NOTE : IN SERVICE AND PRESERVICE DOCUMENTS & DRAWINGS FOR PGC & TG MODULE SHALL BE SUBMITTED BY CONTRACTOR AS PER EQUIPMENT LAYOUT AND INSTALLATION PHILOSOPHY

* DOCUMENTS TO BE SUBMITTED 30DAYS IN ADVANCE BEFORE COMMENCEMENT OF THE ACTIVITY

** require approval of MWS

DCI I Process platform and modification-Electrical				
Sr No	Doc No	Description	Cat A/R/I	Predecessor Document
1	XXXXXX-EL-XXXXXX-LO-XXXXXX	Lighting And Plug & Socket Layout	I	lighting calculation
2	XXXXXX-EL-XXXXXX-LD-XXXXXX	Lighting reticulation Diagrams	I	lighting layout
3	XXXXXX-EL-XXXXXX-MIS-XXXXXX	Cable Schedule	I	sld, cable sizing, cable routing
4	XXXXXX-EL-XXXXXX-CAL-XXXXXX	Cable Tray Sizing	I	cable schedule
5	XXXXXX-EL-XXXXXX-MIS-XXXXXX	Material List For Cable Tray	I	cable tray sizing and routing
6	XXXXXX-EL-XXXXXX-LO-XXXXXX	Cable, Cable Tray Layout	I	equipment layout
7	XXXXXX-EL-XXXXXX-MIS-XXXXXX	MCT Schedules & Details - E&I	I	equipment layout
8	XXXXXX-EL-XXXXXX-LO-XXXXXX	MCT Layouts	I	equipment layout
9	XXXXXX-EL-XXXXXX-MIS-XXXXXX	MTO Of Electrical Bulk Items	I	
10	XXXXXX-EL-XXXXXX-LD-XXXXXX	Wiring Diagrams	I	sld and control schematic
11	XXXXXX-EL-XXXXXX-LD-XXXXXX	Interconnection Diagrams for Electrical equipment	I	sld and control schematic
12	XXXXXX-EL-XXXXXX-DWG-XXXXXX	Grounding Details	I	equipment layout
13	XXXXXX-EL-XXXXXX-LO-XXXXXX	Grounding Layouts	I	equipment layout
14	XXXXXX-EL-XXXXXX-MIS-XXXXXX	Junction Box Schedules	I	equipment layout
15	XXXXXX-EL-XXXXXX-DWG-XXXXXX	Electrical Equipment Supports (lighting, cable trays etc.,)	I	equipment layout
16	XXXXXX-EL-XXXXXX-DWG-XXXXXX	Electrical equipment Installation standards		
17	XXXXXX-EL-XXXXXX-LD-XXXXXX	Interconnection Diagram for Paging & Intercom System	I	
18	XXXXXX-EL-XXXXXX-LD-XXXXXX	Interconnection Diagram for Radio System	I	
19	XXXXXX-EL-XXXXXX-LD-XXXXXX	Interconnection Diagram for CCTV System	I	
20	XXXXXX-EL-XXXXXX-LD-XXXXXX	Interconnection Diagram for Telephone System	I	
21	XXXXXX-EL-XXXXXX-LD-XXXXXX	Interconnection Diagram for LAN System	I	
22	XXXXXX-EL-XXXXXX-DWG-XXXXXX	Telecom Installation details	I	
23	XXXXXX-EL-XXXXXX-MIS-XXXXXX	Telecom Cable Schedule	I	
24	XXXXXX-EL-XXXXXX-LO-XXXXXX	Telecom Layouts	I	
25	XXXXXX-EL-XXXXXX-LO-XXXXXX	Telecom Cable, Cable tray layouts	I	equipment layout

Note:-

For modification projects, Pre engineering survey shall be an additional document and this document shall be the predecessor document for all the main documents

DCI I Process platform and modification-Instrumentation					
SL. NO.	Doc No.	Description	Cat A/R/I	Predecessor Documents with Status	Predecessor Document stage
1	XXXXXX-IN-XXXXXX-DWG-XXXXXX	Instrument And F&G Cable Block Diagram	I		
2	XXXXXX-IN-XXXXXX-MIS-XXXXXX	Instrument And F&G Cable Schedule	I		
3	XXXXXX-IN-XXXXXX-LO-XXXXXX	Inst. Loc. & JB Location Layout	I	Equipment Layout	R
4	XXXXXX-IN-XXXXXX-LO-XXXXXX	Instrument Cable Tray Layout	I	Equipment Layout	R
5	XXXXXX-IN-XXXXXX-LO-XXXXXX	MCT Layout	I	Equipment Layout	R
6	XXXXXX-IN-XXXXXX-MIS-XXXXXX	Instrument & F&G Index	I	P&ID And Fire & Gas Detectors Layout	R
7	XXXXXX-IN-XXXXXX-MIS-XXXXXX	Instrument I/O List	I	P&ID	R
8	XXXXXX-IN-XXXXXX-DWG-XXXXXX	Junction Box Schematics	I		
9	XXXXXX-IN-XXXXXX-LO-XXXXXX	CCR & IER Cable Tray Layout	I	Relevant Architectural Drawing	R
10	XXXXXX-IN-XXXXXX-MIS-XXXXXX	F&G I/O List	I	Fire & Gas Detectors Layout	R
11	XXXXXX-IN-XXXXXX-INTL-XXXXXX	Instrument Installation Details	I		
12	XXXXXX-IN-XXXXXX-MIS-XXXXXX	Instrument And F&G JB Schedule	I		
13	XXXXXX-IN-XXXXXX-LO-XXXXXX	Tubing Routing, Tubing Tray Layout	I	Equipment Layout	R
14	XXXXXX-IN-XXXXXX-LO-XXXXXX	Instrument Location And Air Distribution Layout	I	Equipment Layout	R
15	XXXXXX-IN-XXXXXXXX-LD-XXXXXXXX	Logic Diagrams	I	Cause & Effect Matrix	A
16	XXXXXX-IN-XXXXXXXX-INTL-XXXXXXXX	Instrument Hook Up Drawings	I	P&ID	R
17	XXXXXX-IN-XXXXXXXX-DWG-XXXXXXXX	Level Sketches	I	Equipment Layout	R
18	XXXXXX-IN-XXXXXXXX-DWG-XXXXXXXX	Inst. Loop Schematics	I	Fire & Gas Detectors Layout	A
19	XXXXXX-IN-XXXXXX-DS-XXXXXX	Lab Instruments / Multifunction Calibrators	I		

PROCESS GAS COMPRESSOR (DCI)					
1	XXXXXX-IN-XXXXXX-INTL-XXXXXX	Fire & Gas Detector Installation Dwg	I		
2	XXXXXX-IN-XXXXXX-MIS-XXXXXX	Fire & Gas Protection Equipment Support Details	I		
3	XXXXXX-IN-XXXXXX-MIS-XXXXXX	Sequence Test Procedure For UCP	I		
4	XXXXXX-IN-XXXXXX-MIS-XXXXXX	Instrument Data Sheet For Module	I		
5	XXXXXX-IN-XXXXXX-MIS-XXXXXX	Instrument Index For Module	I		
6	XXXXXX-IN-XXXXXX-MIS-XXXXXX	Alarm & Shutdown List For Module	I		
7	XXXXXX-IN-XXXXXX-MIS-XXXXXX	Signal I/O List For Module	I		
8	XXXXXX-IN-XXXXXX-LD-XXXXXX	Logic Flow Diagram Legend	I		
9	XXXXXX-IN-XXXXXX-LD-XXXXXX	Logic Flow Diagram Start-Up Sequence For The Train.	I		
10	XXXXXX-IN-XXXXXX-LD-XXXXXX	Logic Flow Diagram Cool Down Stop (Pressurized) Sequence For The Train.	I		
11	XXXXXX-IN-XXXXXX-LD-XXXXXX	Logic Flow Diagram Fast Stop (Pressurized) Sequence For The Train.	I		
12	XXXXXX-IN-XXXXXX-LD-XXXXXX	Logic Flow Diagram Fast Stop (Ventilated) Sequence For The Train.	I		
13	XXXXXX-IN-XXXXXX-LD-XXXXXX	Logic Flow Diagram Compressor Water Wash For The Train.	I		
14	XXXXXX-IN-XXXXXX-LD-XXXXXX	Logic Flow Diagram Interlock Loop For Train-A	I		
15	XXXXXX-IN-XXXXXX-MIS-XXXXXX	Cabling Route For Module Instruments	I		
16	XXXXXX-IN-XXXXXX-LO-XXXXXX	Cabling Route For F&G Detection System	I		
17	XXXXXX-IN-XXXXXX-MIS-XXXXXX	Tubing Details (Module)	I		
18	XXXXXX-IN-XXXXXX-MIS-XXXXXX	Hook-Up Drawing (Module)	I		
19	XXXXXX-IN-XXXXXX-MIS-XXXXXX	Material List For Tubing (Module)	I		
20	XXXXXX-IN-XXXXXX-LO-XXXXXX	Tubing Route For Instruments (Module)	I		
21	XXXXXX-IN-XXXXXX-LO-XXXXXX	Tubing Route For ESD/FSD Loop	I		
22	XXXXXX-IN-XXXXXX-LO-XXXXXX	Instrument Layout (Module)	I		
23	XXXXXX-IN-XXXXXX-MIS-XXXXXX	Instrument Stanchion Detail	I		

24	XXXXXX-IN-XXXXXX-MIS-XXXXXX	Material List For Instrument Stanchion	I		
25	XXXXXX-IN-XXXXXX-MIS-XXXXXX	Instrument Stanchion Layout	I		
26	XXXXXX-IN-XXXXXX-MIS-XXXXXX	Tubing Supports - Typical (Module)	I		
27	XXXXXX-IN-XXXXXX-MIS-XXXXXX	Material List For Tubing Supports (Module)	I		
28	XXXXXX-IN-XXXXXX-LO-XXXXXX	Tubing Support Layout (Module)	I		

Note:-

For modification projects, Pre engineering survey shall be an additional document and this document shall be the predecessor document for all the main documents

DCI I Process platform and modification-Mechanical					
Sr No	Doc No	Description	Cat A/R/I	Predecessor Document	Predecessor Document stage
1	XXXXX-ME-MIS-XXXXX-XXXXX	Mechanical Workshop Equipment	I		
2	XXXXX-ME-MIS-XXXXX-XXXXX	Master Equipment List	I		
3	XXXXX-ME-XXXXX-LO-XXXXX	Safety Signage Layout Drawings	I	Safety layout	R
4	XXXXX-ME-MIS-XXXXX-XXXXX	PGC MODULE DOCUMENTS	I		

Note:-

For modification projects, Pre engineering survey shall be an additional document and this document shall be the predecessor document for all the main documents

DCI I Process platform and modification-Piping					
Sr No	Doc No	Description	Cat A/R/I	Predecessor Document	Predecessor Document stage
1	XXXXXX-PI-GEN- SPE-XXXXXX	Piping Support Standard	I	Process design criteria & P&IDs	S
2	XXXXXX-PI-GEN- CAL-XXXXXX	Bolt Length Table (Excluding Torque Table & Tensioning Valves)	I	Process design criteria & P&IDs , PWT	S
3	XXXXXX-PI-GEN- DWG-XXXXXX	Piping Standard Drawings	I	Process design criteria & P&IDs , PMS	S
4	XXXXXX-PI-GEN- REP-XXXXXX	Piping Speicality Item List	I	P&IDs	S
5	XXXXXX-PI-XXXXXX-DWG-XXXXXX	Ppiping Key Plan	I		S
6	XXXXXX-PI-XXXXXX-DWG-XXXXXX	Piping General Arrangement Drawing -Above & Below All Deck Levels (As Applicable In The Project)	I	After 90%Model Review	S
7	XXXXXX-PI-XXXXXX-DWG-XXXXXX	Piping Support General Arrangement Drawing -Above & Below All Deck Levels (As Applicable In The Project)	I	After 90%Model Review	S
8	XXXXXX-PI-XXXXXX-DWG-XXXXXX	Equipment Layout Elevation Drawing	I		
9	XXXXXX-PI-XXXXXX-MIS-XXXXXX	Piping Isometrics Index	I	After 90%Model Review	S
10	XXXXXX-PI-XXXXXX-DWG-XXXXXX	Piping Isometrics	I	After 90%Model Review	S
11	XXXXXX-PI-XXXXXX-DWG-XXXXXX	Special Pipe Support Drawings	I		
12	XXXXXX-PI-XXXXXX-MIS-XXXXXX	Pipe Support Index	I		
13	XXXXXX-PI-XXXXXX-RPT-XXXXXX	Pipe MTO	I	Final After 90%Model Review	S
14	XXXXXX-PI-XXXXXX-RPT-XXXXXX	Valve MTO	I	Final After 90%Model Review	S
15	XXXXXX-PI-XXXXXX-RPT-XXXXXX	Primary Pipe Support MTO	I	Final After 90%Model Review	S
16	XXXXXX-PI-XXXXXX-RPT-XXXXXX	Secondary Pipe Support MTO	I	Final After 90%Model Review	S
17	XXXXXX-PI-XXXXXX-RPT-XXXXXX	Piping Flange MTO	I	Final After 90%Model Review	S
18	XXXXXX-PI-XXXXXX-RPT-XXXXXX	Bolt And Gasket MTO	I	Final After 90%Model Review	S
19	XXXXXX-PI-XXXXXX-RPT-XXXXXX	Pipe Fittings MTO	I	Final After 90%Model Review	S
20	XXXXXX-PI-XXXXXX-RPT-XXXXXX	Piping Insulation MTO	I	Final After 90%Model Review	S

Note:-

For modification projects, Pre engineering survey shall be an additional document and this document shall be the predecessor document for all the main documents

DCI I Process Platforms-Structure						
	Doc No.	Description of document	DOC Category		Preceeding Document / Remarks	Predecessor Document stage
SL NO			DOC Category - ONGC	DOC Category - MWS		
A		Jacket Analysis Reports				
1	XXXXXX-ST-XXXXXX-RPT-XXXXXX	Jacket Analysis report Index	I			
	XXXXXX-ST-XXXXXX-CAL-XXXXXX	Preliminary Jacket Inplace & psiinp SACS file	I			
2	XXXXXX-ST-XXXXXX-RPT-XXXXXX	Jacket MTO	I		Relevant approved Drawing	
3	XXXXXX-ST-XXXXXX-RPT-XXXXXX	Jacket Weight Control Report.	I	R		
B		Jacket Drawings				
1	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Flooding Line Related Drawings	I	A	After Submission Of Respective Analysis Report	S
2	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Grouting Line Related Drawings	I	A	After Submission Of Respective Analysis Report	S
3	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Lifting Arrangement & Related Drawings	I	A	After Submission Of Respective Analysis Report	S
4	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Upending Sequence Related Drawings	I	A	After Submission Of Respective Analysis Report	S
C		Deck/Module Design & Analysis Reports				
1	XXXXXX-ST-XXXXXX-RPT-XXXXXX	Deck Analysis Index	I			
2	XXXXXX-ST-XXXXXX-RPT-XXXXXX	Deck MTO	I			
D		Deck/Module Drawing				
1	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Deck Drawing Index	I			
2	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Deck Seafastening Details	I	A	Preservice analysis	S
3	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Counter Weight Details	I	A	Preservice analysis	S
E		ARCHITECTURAL				
1	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Architectural Elevation South Side (Looking South	I			
2	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Architectural Elevation West side (Looking West)	I			
3	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Architectural Elevation North side (Looking North)	I			
4	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Architectural Elevation East side (Looking East)	I			
5	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Architectural Longitudinal Section	I			
6	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Architectural Traverse Section	I			
7	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Architectural Service Support Grid - Level wise	I			
8	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Architectural Room Layout - Inst. Equipment Room	I			
9	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Architectural Room Layout - Process Control Room	I			
10	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Architectural Room Layout - Electrical Swictgear Room & Air Lock	I			
11	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Architectural Room Layout - Instrument Lab	I			
12	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Architectural Room Layout - Pantry, Toilet and Air Lock	I			
13	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Architectural Room Layout - Battery Room	I			
14	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Architectural Room Layout - Transformer Area	I			
15	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Architectural Room Layout - TG Control Room	I			

16	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Architectural Room Layout - Office Production	I			
17	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Architectural Room Layout - Office Electrical	I			
18	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Architectural Room Layout - Office Mechanical	I			
19	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Architectural Room Layout - Mechanical Workshop	I			
20	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Architectural Room Layout - Document Control Room	I			
21	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Architectural Room Layout - Master Store Room	I			
22	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Architectural Room Layout - Electrical Workshop and Store Room	I			
23	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Architectural Room Layout - Tools and Spare Parts Room	I			
24	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Architectural Sections and Details - Level wise	I			
25	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Architectural Floor Section and Details for Level wise	I			
26	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Architectural Typical Ceiling Section & Details	I			
27	XXXXXX-ST-XXXXXX-RPT-XXXXXX	ARCHITECHTURAL MTO	I			
F		BRIDGE REPORT (NEW)				
1	XXXXXX-ST-XXXXXX-RPT-XXXXXX	BRIDGE MTO	I			
2	XXXXXX-ST-XXXXXX-RPT-XXXXXX	BRIDGE WCR	I			
3		BRIDGE- DRAWING INDEX				
1	XXXXXX-ST-XXXXXX-DWG-XXXXXX	BRIDGE GENERAL ARRANGEMENT DRAWING	I			

MCI Process platform and modification-Electrical					
S.no	Document	Cat A/R/I	Time for review	Predecessor document	Predecessor Document stage
1	Purchase Specification - EDG	A	10	Data sheet	S
2	Purchase Specification -HV Switchgear	A	10	SLD	S
3	Purchase Specification -LV Switchgear	A	10	SLD	S
4	Purchase Specification -Power and lighting transformer	A	10	Sizing of electrical equipment	S
5	Purchase Specification -UPS	A	10	Sizing of electrical equipment	S
6	Purchase Specification -Battery and battery chargers	A	10	Sizing of electrical equipment	S
7	Purchase Specification -Navigational aids	A	10		
8	Purchase Specification -Heat tracing	A	10		
9	Purchase Specification -GTG	A	15	Sizing of electrical equipment	S
10	Purchase Specification -Cables	A	10	Cable Sizing Calculation.	S
11	Purchase Specification -CP System	A	10	Cathodic Protection Sizing Calculation.	S
12	Purchase Specification -Paging	A	10	Equipment layout	S
13	Purchase Specification -CCTV	A	10	Equipment layout	S
14	Purchase Specification -Lighting system	A	10	Lighting And Plug & Socket Layout	S
15	Purchase Specification -Telephone system	A	10		
16	Purchase Specification -Other items specific to project	A	10		

MCI Process platform and modification-Instrumentation					
SL No	Document	Cat A/R/I	Time for review	Predecessor Documents	Predecessor Document stage
1	Metering Skids (Oil / Gas / Condensate) (Custody Transfer Meter)	A	10	Process Data Sheets of the Instruments	A
2	Multi Phase Flow Meter	A	10	Process Data Sheets of the Instruments	A
3	Integrated Control System	A	10	P&ID, Instrumentation Control Philosophy & Overall Control System Architecture Drawing	A
4	DCS	A	15	P&ID, Instrumentation Control Philosophy & Overall Control System Architecture Drawing	A
5	ESD PLC	A	10	Instrumentation Control Philosophy, Overall Control System Architecture Drawing and Process C&E Matrix	A
6	F&G PLC	A	10	Fire & Gas Detectors Layout and F&G C&E Matrix	A
7	Pressure Safety Valves	A	10	Process Data Sheets of the Instruments	A
8	Control Valves & Accessories	A	10	Process Data Sheets of the Instruments , P&ID / PMS / VMS	A
9	SAPCV	A	10	Process Data Sheets of the Instruments	A
10	HCV	A	10	Process Data Sheets of the Instruments	A
11	Multi Variable Transmitters	A	10	Process Data Sheets of the Instruments	A
12	Flow Computers & Totalizers	A	10	Process Data Sheets of the Instruments	A
13	Deluge Valves	A	10	Process Data Sheets of the Instruments	A
14	Orifice Plate Assembly & Restriction Orifice	A	10	Process Data Sheets of the Instruments	A
15	Ultrasonic Flow Meter	A	10	Process Data Sheets of the Instruments	A
16	Turbine Flow Meter	A	10	Process Data Sheets of the Instruments	A
17	Magnetic Flow Meter	A	10	Process Data Sheets of the Instruments	A
18	Coriolis Flow Meter	A	10	Process Data Sheets of the Instruments	A
19	DP cone Flow Meter	A	10	Process Data Sheets of the Instruments	A
20	Rotameter Flow Meter	A	10	Process Data Sheets of the Instruments	A
21	Sr. Orifice Asembly	A	10	Process Data Sheets of the Instruments	A
22	Shut Down Panels / HPU / Loop Charging Panel	A	10	Equipment Layout , ESD/FSD/Fusible Plug loop layout	R

23	Umbilical	A	10	Umbilical stability study and design analysis report	A
24	Electronic (P,T,DP &F) Transmitters / Wireless - Transmitters	A	10	Process Data Sheets of the Instruments	A
25	Electronic (P,T,F,L) Switches	A	10	Process Data Sheets of the Instruments	A
26	Manual ESD / FSD /Fusible Plugs	A	10	Equipment Layout, Approval of Fire & Gas Detectors Layout and ESD, FSD & Fusible Plug Loop Layouts	R
27	F&G Detectors, Beacons, Hooters	A	10	Equipment Layout, Approval of Fire & Gas Detectors Layout	R
28	Level Transmitter	A	10	Process Data Sheets of the Instruments	A
29	LG / PG / DPG / TG / TW	A	10	Process Data Sheets of the Instruments	A
30	Weather Monitoring System	A	10		
31	Instrumentation Tubing	A	10		
32	Instrumentation Tube Fittings	A	10		
33	Water Cut / Bs&W Meter	A	10	Process Data Sheets of the Instruments	A
34	Addressable Type Fire & Gas Control Panel And Detectors	A	10	Equipment Layout, Fire & Gas Detectors Layout and ESD, FSD & Fusible Plug Loop Layouts	R
PROCESS GAS COMPRESSOR					
1	Press. Safety Valve	A	10	Process Data Sheets of PGC Instruments	A
2	Anti-Surge Control Valve	A	10	Process Data Sheets of PGC Instruments	A
3	Level & Pressure Control Valve	A	10	Process Data Sheets of PGC Instruments	A
4	Level Gauge	A	10	Process Data Sheets of PGC Instruments	A
5	Flow Element & Restriction Orifice Assemblies	A	10	Process Data Sheets of PGC Instruments	A
6	Rotameter	A	10	Process Data Sheets of PGC Instruments	A
7	Electronic Transmitters (PT, PDT, TT, FT)	A	10	Process Data Sheets of PGC Instruments	A
8	Level Transmitter	A	10	Process Data Sheets of PGC Instruments	A
9	Multivariable Flow Transmitter	A	10	Process Data Sheets of PGC Instruments	A
10	Press. & Diff. Press. Gauge	A	10	Process Data Sheets of PGC Instruments	A
11	Temp. Gauge & Thermowells	A	10	Process Data Sheets of PGC Instruments	A
12	Pressure Switch	A	10	Process Data Sheets of PGC Instruments	A
13	Level Switch	A	10	Process Data Sheets of PGC Instruments	A
14	Temperature Switch	A	10	Process Data Sheets of PGC Instruments	A
15	Instrument Tube	A	10		
16	Instrument Tube Fittings	A	10		

MCI Process platform-Mechanical					
Sr No	Description	Cat A/R/I	Time for review	Predecessor Document	Predecessor Document stage
1	Process Gas Compressor	A	20	PDS & P&ID	A
2	HVAC	A	15	Equipment layout Architectural layout Details of heat emission form electrical panel	R
3	MOL Pump	A	10	PDS & P&ID	A
4	Centrifugal Pump	A	10	PDS & P&ID	A
5	Process Vessels (Separators, KOD, etc)	A	15	PDS & P&ID	A
6	Miscellaneous Pressure Vessels & Tanks	A	10	PDS & P&ID	A
7	Chemical storage & Dosing systm	A	10	PDS & P&ID	A
8	Gas Dehydration Unit	A	15	PDS & P&ID	A
9	Fuel Gas Conditioning Skid	A	10	PDS & P&ID	A
10	Deck Crane	A	10	Equipment Layout	R
11	IA&UA Package	A	10	PDS & P&ID	A
12	Nitrogen Generator	A	15	PDS & P&ID	A
13	WHRU	A	10	PDS & P&ID	A
14	Hot oil Pump	A	10	PDS & P&ID	A
15	Utility Water Pump	A	10	PDS & P&ID	A
16	Fire Water Pump	A	10	FIRE WATER DEMAND CALCULATION PDS & P&ID	A
17	Electric Hoists	A	10	Material Handling Report.	A
18	DCP Skid	A	10	Equipment layout	R
19	Fire Fighting Equipment	A	10	SAFETY STUDIES	S
20	Life Saving Equipment	A	10	SAFETY STUDIES	S
21	Air Coolers	A	10	PDS & P&ID	A
22	Clean Agent System	A	10	Architectural Details of the Room	A
23	Life Boat	A	10	SAFETY STUDIES	S
24	Filters & Filter coalescer	A	10	PDS & P&ID	A
25	Sewage Treatment Plant	A	10	PDS & P&ID	A
26	Sump Caisson	A	10	PDS & P&ID	A
27	Starting Air Compressor	A	10	PDS & P&ID	A
28	Breathing Air Compressor	A	10	PDS & P&ID	A
29	Material Handling - Miscellaneous	A	10	Material Handling Report.	A
30	Heat Exchangers-Shell &Tube Type	A	10	PDS & P&ID	A
31	Rotary Gear Pump	A	10	PDS & P&ID	A
32	Sea water Lift Pumps	A	10	PDS & P&ID	A

33	Produced Water Conditioner System	A	10	PDS & P&ID	A
34	Chlorinators	A	10	PDS & P&ID	A
35	Fine Filters	A	10	PDS & P&ID	A
36	Water Deoxygenation Tower	A	10	PDS & P&ID	A
37	Reciprocating Pumps	A	10	PDS & P&ID	A
38	Water Maker	A	10	PDS & P&ID	A
39	Gas Sweetening Unit	A	10	PDS & P&ID	A
40	HP & LP Flare System	A	10	PDS & P&ID	A
41	Travelling Bridge Crane	A	10	PDS & P&ID	A
42	Gas Compressors	A	10	PDS & P&ID	A
43	Diesel centrifuge	A	10	PDS & P&ID	A

MCI Process and well platform-Piping					
Sr No	Description	Cat A/R/I	Time for review	Predecessor Document	Predecessor Document stage
1	PS for CARBON STEEL BALL VALVES(NON NACE)	A	10		
2	PS for CARBON STEEL BALL VALVES (NACE)	A	10		
3	PS for CARBON STEEL GLOBE, GATE, CHECK & NEEDLE VALVES(NACE & NON NACE)	A	10		
4	PS for STAINLESS STEEL / DUPLEX STAINLESS STEEL BALL VALVES	A	10		
5	PS for STAINLESS STEEL / DUPLEX STAINLESS STEEL GLOBE, GATE, CHECK & NEEDLE VALVES	A	10		
6	PS for BRONZE BALL & GGCN VALVES	A	10		
7	PS for MANUAL OPERATED CHOKE VALVE	A	10		
8	PS for HINGED CLOSURE	A	10		
9	PS for BASKET TYPE STRAINERS, STRAINERS WITH GAS ELIMINATOR & Y-TYPE STRAINERS	A	10		
10	PS for SCRAPER TEES	A	10		
11	PS for CONTINUOUS DRAINER	A	10		
12	PS for FLAME ARRESTORS	A	10		
13	PS FOR CORROSION COUPONS & BIOLOGICAL PROBES, INJECTION QUILL	A	10		
14	PS for FIRE WATER & FOAM HOSE REEL	A	10		
15	PS for PIG DETECTORS <i>(Along with Instrumentation discipline)</i>	A	10		
16	PS for SHUT DOWN VALVES <i>(Along with Instrumentation discipline)</i>	A	10		

17	PS for SAMPLE BOMB	A	10		
18	PS for SPRAY NOZZLE	A	10		
19	PS for 5D BENDS	A	10		
1	Hose & Hose couplings	A	10		
2	Fire hydrant & monitor (<i>Along with Mechanical Discipline</i>)	A	10		
3	Sight glass	A	10		

Note: Contractor to select PS items from the above list and submit separate PS for each item and if the same item is being sourced from 2 or more different vendors separate PS is required. In addition PS will be required for CPVC, Titanium, Inconel/Incolloy valves if they are in scope of work

MCI Process platform and modification-Structure					
S.no	Document	Cat A/R/I	Time for review	Predecessor document	Predecessor Document stage
1	Purchase Specification - ALUMINIUM HELI DECK	A	10		
2	Purchase Specification -OCEAN POWERED MARINE GROWTH PREVENTION SYSTEM	A	10		
3	Purchase Specification -RUB STRIPS	A	10		
4	Purchase Specification - FOR GROUT PACK	R	10		
5	Purchase Specification - SHEAR FENDERS	A	10		
6	Purchase Specification -SHOCK CELLS	A	10		
7	Purchase Specification -BARGE BUMPERS	A	10		
8	Purchase Specification -HANDRAIL & GRATINGS	A	10		
9	Purchase Specification -FLOOR & TRENCH DRAIN	A	10		
10	Purchase Specification -Architectural Items -FLOORING	A	10		
11	Purchase Specification -Architectural Items-CEILING	A	10		
12	Purchase Specification -Architectural Items-WALL PANELS	A	10		
13	Purchase Specification -Architectural Items-RAISED FLOORING	A	10		
14	Purchase Specification -Architectural Items-WET UNIT	A	10		
15	Purchase Specification -Architectural Items-KITCHEN ITEMS	A	10		
16	Purchase Specification -Architectural Items-wooden & steel FURNITURES	A	10		
17	Purchase Specification -Architectural Items-Rolling shutter in Galley	A	10		
18	Purchase Specification -Architectural Items-DOORS & WINDOWS	A	10		

Well platforms and modifications

DCI A Well platform and modification-Electrical						
Sr No	Doc No	Description	Cat A/R/I	Time for review	Predecessor Document	Predecessor Document stage
1	XXXXXX-EL-XXXXXX-CAL-XXXXXX	Electrical Load list	A	10	Instrument List, List,Lighting Load, ,Nav-Aid Etc.	S
2	XXXXXX-EL-XXXXXX-CAL-XXXXXX	Solar power systems Calculation (PV module, battery,battery charger ,cable etc.)	A	10	Load List	S
3	XXXXXX-EL-XXXXXX-CAL-XXXXXX	Short Circuit calculations.	A	10	Solar Power Systems Calculation	S
4	XXXXXX-EL-XXXXXX-LD-XXXXXX	Single Line Diagrams	A	10	Load List, Solar Sizing & Short Ckt Calculation	S
5	XXXXXX-EL-XXXXXX-CAL-XXXXXX	Cable Sizing Calculation.	A	10	SLD, Cable Routing, Instrument Power Feeding Arrangement	S
6	XXXXXX-EL-XXXXXX-CAL-XXXXXX	Cathodic Protection Sizing Calculation.	A	10	Area Calculation Of Structure	S
7	XXXXXX-EL-XXXXXX-LO-XXXXXX	Electrical Equipment layout,battery room layout in electrical room/battery room	A	10	Deck Layout,Solar System Sizing	S
8	XXXXXX-EL-XXXXXX-LO-XXXXXX	Navigational lantern layout	A	10	Equipment Layout	S
9	XXXXXX-EL-XXXXXX-LO-XXXXXX	Hazardous Area Classification drawing	A	10	Equipment Layout	S
10	XXXXXX-EL-XXXXXX-RPT-XXXXXX	BEM Analysis report for jacket anode installation	A	10	CP Calculation	S
11	XXXXXX-EL-XXXXXX-DWG-XXXXXX	Anode Installation Drawings.	A	10	C P Calculation	S
12	XXXXXX-EL-XXXXXX-RPT-XXXXXX	Post Installation CP survey report	A	10		
13	XXXXXX-EL-XXXXXX-LD-XXXXXX	CCTV system Block diagrams	A	10	Area Layout	S
14	XXXXXX-EL-XXXXXX-LO-XXXXXX	CCTV Layouts	A	10	Area Layout	S
Additional documents for Sub marine cable connected Well platfoms						
1	XXXXXX-EL-XXXXXX-MIS-XXXXXX	Electrical Equipment List	A	10	Load List	S
2	XXXXXX-EL-XXXXXX-CAL-XXXXXX	Sizing Of Electrical Equipment	A	10	Load List	S
3	XXXXXX-EL-XXXXXX-DS-XXXXXX	Data Sheets Of Electrical Equipment/Switchgear	A	10	SLD And Sizing Of Electrical Equipment	S
4	XXXXXX-EL-XXXXXX-CAL-XXXXXX	Lighting Calculations	A	10	Area Layout	S
5	XXXXXX-EL-XXXXXX-MIS-XXXXXX	HMI	A	10	SLD, Cable Sizing, Data Sheet Of Equipment	S
6	XXXXXX-EL-XXXXXX-RPT-XXXXXX	Relay Coordination	A	10	SLD	S

Note:-

For modification projects, Pre engineering survey shall be an additional document and this document shall be the predecessor document for all the main documents

DCI A Well platform and modification-Instrumentation						
SL. NO.	Doc No.	Description	Cat A/R/I	Time for review	Predecessor Documents with Status	Predecessor Document stage
1	XXXXXX-IN-XXXXXX-DWG-XXXXXX	Overall Control System Architecture Drawing	A	10	Instrument Monitoring And Control Philosophy & P&ID	R
2	XXXXXX-IN-XXXXXX-LO-XXXXXX	ESD, FSD And Fusible Plug Loop Layouts	A	10	Equipment Layout	R
3	XXXXXX-IN-XXXXXX-LO-XXXXXX	Fire & Gas Detectors Layout	A	10	Equipment Layout	R
4	XXXXXX-IN-XXXXXX-MTX-XXXXXX	F & G Cause & Effect Chart Matrix	A	10	Fire & Gas Detectors Layout	A

Note:-

For modification projects, Pre engineering survey shall be an additional document and this document shall be the predecessor document for all the main documents

DCI A well platform and modification-Mechanical						
Sr No	Doc No	Description	Cat A/R/I	Time for review	Predecessor Document	Predecessor Document stage
1	XXXXX-ME-XXXXX-RPT-XXXXX	Material Handling Study Report	A	10	Safety layout Preliminary details of the equipment	R

Note:-

For modification projects, Pre engineering survey shall be an additional document and this document shall be the predecessor document for all the main documents

DCI A Well platform and modification-Piping						
Sr No	Doc No	Description	Cat A/R/I	Time for review	Predecessor Document	Predecessor Document stage
1	XXXXXX-PI-GEN- CAL-XXXXXX	Pipe Wall Thickness Calculation Report	A	10	Submission of Process design criteria & P&IDs	S
2	XXXXXX-PI-GEN- SPE-XXXXXX	Piping Material Specification	A	10	Submission of Process design criteria & P&IDs , PWT	S
3	XXXXXX-PI-GEN- SPE-XXXXXX	Valve Material Specification	A	15	Submission of Process design criteria & P&IDs , PMS	S
4	XXXXXX-PI-GEN- SPE-XXXXXX	Pipe Stress Analysis Philosophy	A	10		
5	XXXXXX-PI-GEN- SPE-XXXXXX	3d Model Execution Philosophy	A			
6	XXXXXX-PI-GEN-DS-XXXXXX	Datasheet For Speciality Items	A	15	Submission of Process design criteria & P&IDs , PMS & Process Data Sheet	S
7	XXXXXX-PI-GEN-RPT-XXXXXX	PRE-ENGINEERING SURVEY REPORT-PIPING (Topside Modification Works)	A	10	Submission of Process design criteria & P&IDs	S
1	XXXXXX-PI-XXXXXX-LO-XXXXXX	EQUIPMENT LAYOUT - ALL Levels/Decks (As Applicable In Project)	A	15	Multi Disciplinary /Submission of Process design criteria & P&IDs	S
2	XXXXXX-PI-GEN-RPT-XXXXXX	Stress Critical Line List	A	10		
3	XXXXXX-PI-GEN-RPT-XXXXXX	Stress Analysis Report - System 1,2,...	A	10		
	MODEL REVIEW					
1		30% MODEL REVIEW	R		Approved Equipment layout, P&IDs	S
2		60% MODEL REVIEW	R			
3		90% MODEL REVIEW	R			
4		90% MODEL CLOSEOUT REPORT	R			
DOCUMENTS IN REVIEW CATEGORY FOR TOPSIDE MODIFICATION JOBS WHERE MODEL IS NOT ENVISAGED						
1	XXXXXX-PI-XXXXXX-DWG-XXXXXX	PIPING GENERAL ARRANGEMENT DRAWING -ABOVE & BELOW ALL DECK LEVELS (As applicable in the project)	R	10		

Note:-

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DCI A Well platform cum modification-Process						
Sr No	Doc No	Description	Cat A/R/I	Time for review	Predecessor Document	Predecessor Document stage
1	XXXXXX-PR-GEN-RPT-XXXXXX	Process Design Basis	A	10		
2	XXXXXX-PR-GEN-RPT-XXXXXX	Process Simulation Report	A	10	Process Design Basis	S
3	XXXXXX-PR--XXXXXX-PFD-XXXXXX	PFD with Heat & Material Balance	A	10	Process Design Basis, Process Simulation Report	S
4	XXXXXX-PR-XXXXXX-PID-XXXXXX	Well Platform - PIDs	A	10	Process Design Basis, Isolation Philosophy	S
5	XXXXXX-PR-XXXXXX-PID-XXXXXX	Modification - PIDs	A	10	Process Design Basis, Isolation Philosophy, Pre-Engineering Survey Report	S
6	XXXXXX-PR-GEN-RPT-XXXXXX	Isolation philosophy	A	10		
7	XXXXXX-PR-XXXXXX-CAL-XXXXXX	Process Line Sizing Report	A	10	Process Design Basis, Process Simulation Report, PIDs	S
8	XXXXXX-PR-XXXXXX-CAL-XXXXXX	Equipment Sizing Report	A	10	Process Design Basis, Process Simulation Report, Vendor Data	S
9	XXXXXX-PR--XXXXXX-DS-XXXXXX	Process Data Sheets for equipments	A	10	Process Design Basis, Process Simulation Report, Equipment Sizing Report, Safety Valve Sizing Report	S
10	XXXXXX-PR--XXXXXX-DS-XXXXXX	Process data sheet for instruments	A	10	Process Design Basis, Process Simulation Report, PIDs, Alarm & Trip Schedule	S
11	XXXXXX-PR-GEN-RPT-XXXXXX	Cause & Effect Matrix	A	10	Process Design Basis, PIDs	S
12	XXXXXX-PR-GEN-RPT-XXXXXX	SAFE Chart	A	10	Process Design Basis, PIDs	S
13	XXXXXX-PR-GEN-RPT-XXXXXX	Alarm & Trip Schedule	A	10	Process Design Basis, Process Simulation Report, PIDs	S
14	XXXXXX-PR-XXXXXX-CAL-XXXXXX	Safety Valve Sizing Report	A	10	Process Design Basis, Process Simulation Report, Equipment Sizing Report, Vent Relief and load Calculation Report, PIDs	S

15	XXXXXX-PR-XXXXXX-CAL-XXXXXX	Vent Relief and load Calculation Report	A	10	Process Design Basis, Process Simulation Report, Equipment Sizing Report, PIDs, Latest Piping Isometrics	S
16	XXXXXX-PR-XXXXXX-CAL-XXXXXX	Vent Dispersion and Radiation Report	A	10	Process Design Basis, Process Simulation Report, Equipment Sizing Report, Vent Relief and load Calculation Report	S
17	XXXXXX-PR-GEN-RPT-XXXXXX	Process Equipment List	A	10		
18	XXXXXX-PR-GEN-RPT-XXXXXX	Line list	A	10		
19	XXXXXX-PR-XXXXXX-CAL-XXXXXX	Fire Water Demand Calculation	A	10	Process Design Basis, Equipment Sizing Report	S
20	XXXXXX-PR-XXXXXX-CAL-XXXXXX	Fire Water Hydraulic Calculations	A	10	Process Design Basis, Equipment Sizing Report, Fire Water Demand Calculation	S
21	XXXXXX-PR-XXXXXX-CAL-XXXXXX	Transient Analysis Report	A	10	Process Design Basis, PIDs	S

Note:-

For modification projects, Pre engineering survey shall be an additional document and this document shall be the predecessor document for all the main documents

DCI A Well head Platforms-Structure							
SL NO	Doc No.	Description of document	DOC Category		Time for review	Preceeding Document / Remarks	Predecessor Document stage
			DOC Category - ONGC	DOC Category - MWS			
A		Jacket Analysis Reports					
1	XXXXXX-ST-XXXXXX-RPT-XXXXXX	Structural & Foundation Design Basis	A		20		
2	XXXXXX-ST-XXXXXX-RPT-XXXXXX	Jacket & Pile configuration Report	A		20	Pre engg survey reports, equipment layout, Preliminary Jacket Inplace & psiinp SACS file as soon as possible,preliminary drivability for hammer selection	S
3	XXXXXX-ST-XXXXXX-RPT-XXXXXX	Jacket Inplace Analysis Report	A		20	Pre engg survey reports, equipment layout, Pile config. Report,first run of pre service reports	S
4	XXXXXX-ST-XXXXXX-RPT-XXXXXX	Jacket Fatigue Analysis With Pile Fatigue (Driving & Inservice) Report	A		20	Jacket Inplace analysis	S
5	XXXXXX-ST-XXXXXX-RPT-XXXXXX	Jacket & Deck Sismic Analysis Report	A		20	Jacket Inplace analysis	S
6	XXXXXX-ST-XXXXXX-RPT-XXXXXX	Jacket Load Out Analysis Report For Structural Adequacy	R	**	10	Jacket Inplace analysis	
7	XXXXXX-ST-XXXXXX-RPT-XXXXXX	Jacket Transportation Analysis For Structural Adequacy - Priliminary	R	**	10	Jacket Inplace analysis	
8	XXXXXX-ST-XXXXXX-RPT-XXXXXX	Jacket Lift Analysis (If Applicable) With Structural Adequacy & Pad Eye / Trunnion Design	R	**	10	Jacket Inplace analysis	
9	XXXXXX-ST-XXXXXX-RPT-XXXXXX	Jacket Launch Analysis (If Applicable) With Structral Adequacy	R	**	10	Jacket Inplace analysis	
10	XXXXXX-ST-XXXXXX-RPT-XXXXXX	Jacket Floatation & Upending Analysis With Structural Adequacy With Buoyancy Tank, Pad Eye Design	R	**	10	Jacket Inplace analysis	
11	XXXXXX-ST-XXXXXX-RPT-XXXXXX	Jacket On-Bottom Stability Analysis With Structural Adequacy	R	**	10	Jacket Inplace analysis	
12	XXXXXX-ST-XXXXXX-RPT-XXXXXX	Pile Drivability, Lifting, Stick-Up Analysis Report	A	**	15	Jacket Inplace analysis	S
13	XXXXXX-ST-XXXXXX-RPT-XXXXXX	Conductor Drivability, Lifting, Stick-Up Analysis Report (If Applicable)	A		10		S
14	XXXXXX-ST-XXXXXX-RPT-XXXXXX	Boat Landing & Barge Bumper Analysis & Design Report for boat impact	A		10		
15	XXXXXX-ST-XXXXXX-RPT-XXXXXX	Jacket Miscellaneous Design & Analysis Report	A	**	10		
16	XXXXXX-ST-XXXXXX-RPT-XXXXXX	Detail Fabrication Procedure - Jacket	R		10	* Before Fabrication Starts	
17	XXXXXX-ST-XXXXXX-RPT-XXXXXX	Material Inspection ,Traceability& Storage Procedure	R		10	* Before Fabrication Starts	S
18	XXXXXX-ST-XXXXXX-RPT-XXXXXX	Loadout Procedure	R	**	10	*BEFORE LOADOUT STARTS	S
19	XXXXXX-ST-XXXXXX-RPT-XXXXXX	Jacket Installation Procedure(including pile monitoring & re-strike test procedure,pile refusal-remedial procedure and post piling procedure etc.)	A		10	*Before Installation Starts	
B		Jacket Drawings					
1	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Jacket Drawing Index	A		10		
2	XXXXXX-ST-XXXXXX-DWG-XXXXXX	General notes for Jacket	A		10		
3	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Welding details for jacket	A		10		
4	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Deck adjustable stair details	A		10		
5	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Escape ladder details from Jacket walkway to cellar deck	A		10		
6	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Standard handrail and grating details & fixing arrangement	A		10		

7	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Jacket Vertical Framing Along Row A & B	A		10	Jacket Inplace analysis	A
8	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Jacket Vertical Framing Along Row 1&2	A		10	Jacket Inplace analysis	A
9	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Jacket Vertical Framing Along Different Rows As Applicable	A		10	Jacket Inplace analysis	A
10	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Jacket Horizontal Framing At Splash Zone Level	A		10	Jacket Inplace analysis	A
11	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Jacket Horizontal Framing At Different Levels	A		10	Jacket Inplace analysis	A
12	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Jacket Skirt Sleeve Details As Applicable	A		10	Pile drivability analysis	A
13	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Jacket Main Pile Details	A		10	Pile drivability analysis	A
14	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Jacket Skirt Pile Details As Applicable	A		10	Pile drivability analysis	A
15	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Jacket Fatigue Inspection Location	A		10	Fatigue analysis	A
16	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Jacket Profile Weld Location	A		10	Fatigue analysis	A
17	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Pile Spacer Details	A		10	Pile drivability analysis	A
18	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Jacket Transition Piece	A		10		
19	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Straight Conductor Make-Up Details As Applicable	A		10	Conductor drivability analysis	
20	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Curved Conductor Make Up Details As Applicable	A		10	Conductor drivability analysis	
21	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Conductor Guide Details	A		10	Conductor guide design	
22	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Skirt Pile Guide Details	A		10	Pile drivability analysis	S
23	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Crown Shim Details	A		10		
24	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Riser Protecort Details	A		10	Riser protector design	
25	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Jacket Leg Strip Details	A		10		
26	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Intruder Protection Details	A		10		
27	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Pile Fatigue Drawing	A		10	After Submission Of Respective Analysis Report	S
28	XXXXXX-ST-XXXXXX-DRG-XXXXXX	Boat Landing/Boat landing cum barge bumper	A	R	10		
29	XXXXXX-ST-XXXXXX-DRG-XXXXXX	Stand alone Barge Bumper	A	R	10	Equipment layout and safety study	
30	XXXXXX-ST-XXXXXX-DRG-XXXXXX	Buoyancy tanks and details of connection with jacket legs	R	**	10	Preservice analysis of jacket	
31	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Launch Cradle Drawing (If Applicable)	R	**	10	After Submission Of Respective Analysis Report	S
32	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Sea-Fastening Related Drawings	R	**	10	After Submission Of Respective Analysis Report	S

33	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Mudmat Related Drawings	R	**	10	After Submission Of Respective Analysis Report	S
C		Deck Analysis					
1	XXXXXX-ST-XXXXXX-RPT-XXXXXX	Deck/Module Inplace Analysis Report	A		20	Equipmet layout	S
2	XXXXXX-ST-XXXXXX-RPT-XXXXXX	Deck building module & Heli Deck Analysis	A		10	Equipment layout	
3	XXXXXX-ST-XXXXXX-RPT-XXXXXX	Deck/Module Load Out Analysis Report For Structural Adequacy	A		10	Reviewed and commented equipmet layout	S
4	XXXXXX-ST-XXXXXX-RPT-XXXXXX	Deck/Module Transportation Analysis - Barge Motion Analysis With Seafastening Design.	A		10	Equipment layout	S
5	XXXXXX-ST-XXXXXX-RPT-XXXXXX	Deck/Module Lift Analysis With Structural Adequacy & Pad Eye / Spreader Frame Design	R	**	10	Deck inplace analysis	S
6	XXXXXX-ST-XXXXXX-RPT-XXXXXX	Miscellaneous calculation for plating,secondary beams ,staircase,ladder,stabbing guide ,monorail etc.	R	**	15	Deck inplace analysis	S
		Deck Joint Design Report- Cellar deck and others			15		
7	XXXXXX-ST-XXXXXX-RPT-XXXXXX	Deck Joint Design Report-Main and Heli deck	R	**	15	Pre service analysis of jacket	
8	XXXXXX-ST-XXXXXX-RPT-XXXXXX	Detail Fabrication Procedure - Top Side		**	10	*Before Fabrication Starts	S
9	XXXXXX-ST-XXXXXX-RPT-XXXXXX	Material Inspection ,Traceability & Storage Procedure		**	10	*Before Fabrication Starts	S
10	XXXXXX-ST-XXXXXX-RPT-XXXXXX	Deck/Module Weight Control Report.	R	**	10	Progressive Document. To Be Updated In Every 3 Months.	S
11	XXXXXX-ST-XXXXXX-RPT-XXXXXX	Loadout Procedure		**	10	*Before Loadout Starts	S
12	XXXXXX-ST-XXXXXX-RPT-XXXXXX	Deck installation Procedure		**	10	*Before Installation Starts	S
D		Deck/Module Drawing					
1	XXXXXX-ST-XXXXXX-DWG-XXXXXX	General notes for Deck	A		10		
2	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Standard deck connection details	A		10		
3	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Standard deck welding details	A		10		
4	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Standard deck staircase details	A		10		
5	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Standard deck ladder details	A		10		
6	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Standard handrail and grating details & fixing arrangement	A		10		
7	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Standard deck Barrier detailsILS	A		10		
8	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Standard deck conductor guide details(if applicable)	A		10		
9	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Staircase Details connecting decks (levelwise)	A		10		
10	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Scramble Net And Life Raft Support Details	A		10		
11	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Sub Cellar Deek Framing Plan & cellar Deck Framing Plan	A		10	Deck inplace analysis	A
12	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Main Deck Framing Plan	A		10	Deck inplace analysis	A
13	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Electrical,Batteryroom And Shelter Room Roof Framing Plan	A		10	Equipmet layout	A
14	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Solar Panel Level Framing Plan	A		10	Equipmet layout	A
15	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Helideck Framing Plan	A		10	Helideck Design Report	A

16	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Subcellar Deck Grating And Handrail Layout	A		10	Equipmet layout	
17	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Cellar Deck Plating,Gratingand Handrail Layout	A		10	Equipmet layout	
18	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Main Deck Plating,Grating And Handrail Layout	A		10	Equipmet layout	
19	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Electrical,Battery,Shelter Room Grating,Plating Handrail Layout	A		10	Equipmet layout	
20	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Solar Panel Level Grating And Handrail Layout	A		10	Equipmet layout	
21	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Deck Vertical Framing Along Different Rows As Applicable	A		10	Deck inplace analysis	A
22	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Cellar Deck Joint Details Mark Up Plan	A		10	Joint calculation	A
23	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Main Deck Joint Details Mark Up Plan	A		10	Joint calculation	A
24	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Solar Panel Level Joint Details Mark Up Plan	A		10	Joint calculation	A
25	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Helideck Joint Details Mark Up Plan	A		10	Joint calculation	A
26	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Deck Joint Details	A		10	Joint calculation	A
27	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Deck Stabbing Guide Details(Connection Between Jacket And Deck With Adjustment Of Height)	A		10	Misc Calculation	A
28	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Equipment Support Details	A		10	Misc Calculation	
29	XXXXXX-ST-XXXXXX-DWG-XXXXXX	GA And Details Of Access Platform	A		10		
30	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Deck Lifting Arrangement	R	**	10	Preservice analysis	
31	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Deck Lifting Padeye Details	R	**	10	Preservice analysis	
E		ARCHITECTURAL					
1	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Architectural General Notes	A		10		
2	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Architectural Drawing Index	A		10		
3	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Architectural Layout Plan - Level wise	A		10	Equipment layout & roomwise arrangement of furnitures	
4	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Architectural Fire Rating / Insulation Layout Plan - Level wise	A		10		
5	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Architectural Ceiling Layout Plan - Level wise	A		10		
6	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Architectural Door and Window Plan - Level wise	A		10		
7	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Architectural Finish Floor Layout - Level wise	A		10		

*Documents to be submitted 30 days in advance before start of the activity.

** require approval of MWS

DCI I Well platform and modification-Electrical

Sr No	Doc No.	Description	Cat A/R/I	Predecessor Document	Predecessor Document stage
1	XXXXXX-EL-XXXXXX-LD-XXXXXX	Electrical Interconnection drawings	I	control schematic	S
2	XXXXXX-EL-XXXXXX-LO-XXXXXX	Solar Panel Layout	I	Solar System sizing	S
3	XXXXXX-EL-XXXXXX-LO-XXXXXX	Electrical Cable and cable tray Layouts	I	equipment layout	S
4	XXXXXX-EL-XXXXXX-MIS-XXXXXX	Electrical cable Schedule	I	cable sizing and cable routing	S
5	XXXXXX-EL-XXXXXX-CAL-XXXXXX	Electrical Cable Tray Sizing	I	cable schedule, sld, equipment layout	S
6	XXXXXX-EL-XXXXXX-LO-XXXXXX	MCT Layouts	I	equipment layout, sld	S
7	XXXXXX-EL-XXXXXX-MIS-XXXXXX	MCT Schedules	I	cable schedule, area classification	S
8	XXXXXX-EL-XXXXXX-DWG-XXXXXX	Grounding details	I	equipment layout	S
9	XXXXXX-EL-XXXXXX-DWG-XXXXXX	Electrical Equipment Installation details (Solar Panels, Battery racks, etc)	I	sizing of respectice items	S
10	XXXXXX-EL-XXXXXX-LO-XXXXXX	Grounding Layout drawing	I	equipment layout	S
11	XXXXXX-EL-XXXXXX-LO-XXXXXX	Lighting Layouts	I	equipment layout	S

Note:-

For modification projects, Pre engineering survey shall be an additional document and this document shall be the predecessor document for all the main documents

DCI I Well platform and modification-Instrumentation					
SL. NO.	Doc No.	Description (DCI)	Cat A/R/I	Predecessor Documents with Status	Predecessor Document stage
1	XXXXXX-IN-XXXXXX-DWG-XXXXXX	Instrument And F&G Cable Block Diagram	I	Equipment Layout, Fire & Gas Detectors Layout	R
2	XXXXXX-IN-XXXXXX-MIS-XXXXXX	Instrument And F&G Cable Schedule	I	Equipment Layout, Fire & Gas Detectors Layout	R
3	XXXXXX-IN-XXXXXX-LO-XXXXXX	Inst. Loc. & JB Location Layout	I	Equipment Layout	R
4	XXXXXX-IN-XXXXXX-LO-XXXXXX	Instrument Cable Tray Layout	I	Equipment Layout	R
5	XXXXXX-IN-XXXXXX-LO-XXXXXX	MCT Layout	I	Equipment Layout	R
6	XXXXXX-IN-XXXXXX-MIS-XXXXXX	Instrument & F&G Index	I	P&Id And Fire & Gas Detectors Layout	R
7	XXXXXX-IN-XXXXXX-MIS-XXXXXX	Instrument I/O List	I	P&ID	R
8	XXXXXX-IN-XXXXXX-DWG-XXXXXX	Junction Box Schematics	I		
9	XXXXXX-IN-XXXXXX-MIS-XXXXXX	F&G I/O List	I	Fire & Gas Detectors Layout	R
10	XXXXXX-IN-XXXXXX-INTL-XXXXXX	Instrument Installation Details	I		
11	XXXXXX-IN-XXXXXX-MIS-XXXXXX	Instrument And F&G JB Schedule	I		
12	XXXXXX-IN-XXXXXX-LO-XXXXXX	Tubing Routing, Tubing Tray Layout	I	Equipment Layout	R
13	XXXXXX-IN-XXXXXX-LO-XXXXXX	Instrument Location And Air Distribution Layout	I	Equipment Layout	R
14	XXXXXX-IN-XXXXXX-LD-XXXXXX	Logic Diagrams	I	Cause & Effect Matrix	A
15	XXXXXX-IN-XXXXXX-LD-XXXXXX	Instrument Hook Up Drawings	I	P&ID	S
16	XXXXXX-IN-XXXXXX-DWG-XXXXXX	Inst. Loop Schematics	I	P&ID	R
17	XXXXXX-IN-XXXXXX-DWG-XXXXXX	Level Sketches	I	Process Data Sheet Of The Vessel	S

Note:-

For modification projects, Pre engineering survey shall be an additional document and this document shall be the predecessor document for all the main documents

DCI I Process platform and modification-Mechanical					
Sr No	Doc No	Description	Cat A/R/I	Predecessor Document	Predecessor Document stage
1	XXXXX-ME-MIS-XXXXX-XXXXX	Mechanical Workshop Equipment	I		
2	XXXXX-ME-MIS-XXXXX-XXXXX	Master Equipment List	I		
3	XXXXX-ME-XXXXX-LO-XXXXX	Safety Signage Layout Drawings	I	Safety layout	R
4	XXXXX-ME-MIS-XXXXX-XXXXX	PGC MODULE DOCUMENTS	I		

Note:-

For modification projects, Pre engineering survey shall be an additional document and this document shall be the predecessor document for all the main documents

DCI I Well platform and modification-Piping					
Sr No	Doc No	Description	Cat A/R/I	Predecessor Document	Predecessor Document stage
1	XXXXXX-PI-GEN- SPE-XXXXXX	Piping Support Standard	I	Process design criteria & P&IDs	S
2	XXXXXX-PI-GEN- CAL-XXXXXX	Bolt Length Table (Excluding Torque Table & Tensioning Valves)	I	Process design criteria & P&IDs , PWT	S
3	XXXXXX-PI-GEN- DWG-XXXXXX	Piping Standard Drawings	I	Process design criteria & P&IDs , PMS	S
4	XXXXXX-PI-GEN- REP-XXXXXX	Piping Speicality Item List	I	P&IDs	S
5	XXXXXX-PI-XXXXXX-DWG-XXXXXX	Piping Key Plan	I		S
6	XXXXXX-PI-XXXXXX-DWG-XXXXXX	Piping General Arrangement Drawing -Above & Below All Deck Levels (As Applicable In The Project)	I	After 90%Model Review	S
7	XXXXXX-PI-XXXXXX-DWG-XXXXXX	Piping Support General Arrangement Drawing -Above & Below All Deck Levels (As Applicable In The Project)	I	After 90%Model Review	S
8	XXXXXX-PI-XXXXXX-DWG-XXXXXX	Equipment Layout Elevation Drawing	I		
9	XXXXXX-PI-XXXXXX-MIS-XXXXXX	Piping Isometrics Index	I	After 90%Model Review	S
10	XXXXXX-PI-XXXXXX-DWG-XXXXXX	Piping Isometrics	I	After 90%Model Review	S
11	XXXXXX-PI-XXXXXX-DWG-XXXXXX	Special Pipe Support Drawings	I		
12	XXXXXX-PI-XXXXXX-MIS-XXXXXX	Pipe Support Index	I		
13	XXXXXX-PI-XXXXXX-RPT-XXXXXX	Pipe MTO	I	Final After 90%Model Review	S
14	XXXXXX-PI-XXXXXX-RPT-XXXXXX	Valve MTO	I	Final After 90%Model Review	S
15	XXXXXX-PI-XXXXXX-RPT-XXXXXX	Primary Pipe Support MTO	I	Final After 90%Model Review	S
16	XXXXXX-PI-XXXXXX-RPT-XXXXXX	Secondary Pipe Support MTO	I	Final After 90%Model Review	S
17	XXXXXX-PI-XXXXXX-RPT-XXXXXX	Piping Flange MTO -	I	Final After 90%Model Review	S
18	XXXXXX-PI-XXXXXX-RPT-XXXXXX	Bolt And Gasket MTO	I	Final After 90%Model Review	S
19	XXXXXX-PI-XXXXXX-RPT-XXXXXX	Pipe Fittings MTO	I	Final After 90%Model Review	S
20	XXXXXX-PI-XXXXXX-RPT-XXXXXX	Piping Insulation MTO	I	Final After 90%Model Review	S

Note:-

For modification projects, Pre engineering survey shall be an additional document and this document shall be the predecessor document for all the main documents

DCI I Well head Platforms-Structure						
	Doc No.	Description of document	DOC Category		Preceeding Document / Remarks	Predecessor Document stage
SL NO			DOC Category - ONGC	DOC Category - MWS		
A		Jacket Analysis Reports				
1	XXXXXX-ST-XXXXXX-RPT-XXXXXX	Jacket Analysis report Index	I			
	XXXXXX-ST-XXXXXX-CAL-XXXXXX	Preliminary Jacket Inplace & psiinp SACS file	I			
2	XXXXXX-ST-XXXXXX-RPT-XXXXXX	Jacket MTO	I		Relevant approved Drawing	
3	XXXXXX-ST-XXXXXX-RPT-XXXXXX	Jacket Weight Control Report.	I	*		
4	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Flooding Line Related Drawings	I	*	After Submission Of Respective Analysis Report	S
5	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Grouting Line Related Drawings	I	*	After Submission Of Respective Analysis Report	S
6	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Lifting Arrangement & Related Drawings	I	*	After Submission Of Respective Analysis Report	S
7	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Upending Sequence Related Drawings	I	*	After Submission Of Respective Analysis Report	S
B		Deck/Module Design & Analysis Reports				
1	XXXXXX-ST-XXXXXX-RPT-XXXXXX	Deck Analysis Index	I			
2	XXXXXX-ST-XXXXXX-RPT-XXXXXX	Deck MTO	I			
3	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Deck Drawing Index	I			
4	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Deck Seafastening Details	I	*	Preservice analysis	
5	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Counter Weight Details	I	*	Preservice analysis	
6	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Architectural Elevation South Side (Looking South	I			
7	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Architectural Elevation West side (Looking West)	I			
8	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Architectural Elevation North side (Looking North)	I			
9	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Architectural Elevation East side (Looking East)	I			
10	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Architectural Longitudinal Section	I			
11	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Architectural Traverse Section	I			
12	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Architectural Service Support Grid - Level wise	I			

13	XXXXXX-ST-XXXXXX-RPT-XXXXXX	ARCHITECHTURAL MTO	I			
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Note: Documents having * against shall be approved by the mws

MCI Well platform and modification-Electrical					
S.no	Document	Cat A/R/I	Time for review	Predecessor document	Predecessor Document stage
1	Purchase Specification - Anodes for Cathodic Protection system	A	10	CP sizing calculation, Data sheet	S
2	Purchase Specification - cables	A	10	Data sheet , cable sizing	S
3	Purchase Specification- Navigational Aid System	A	10	Data Sheet	S
4	Purchase Specification- Solar Power System	A	10	Solar power system sizing, Data Sheets	S
	Additional documents for Sub marine cable connected Well platfoms				
1	Purchase specification - Transformers	A	10	Sizing of electrical equipment	S
2	Purchase specification - HV&LV Swgr	A	10	SLD	S
3	Purchase specification - UPS and battery system	A	10	Sizing of electrical equipment	S

MCI Well platform-Instrumentation					
SL No	Description (MCI)	Cat A/R/I	Time for review	Predecessor Documents with Status	Predecessor Document stage
1	Metering Skids (Oil / Gas / Condensate) (Custody Transfer Meter)	A	10	Process Data Sheets of the Instruments	A
2	Multi Phase Flow Meter	A	10	Process Data Sheets of the Instruments	A
3	Process PLC	A	10	P&ID, Instrumentation Control Philosophy & Overall Control System Architecture Drawing	A
4	ESD PLC	A	10	P&ID, Instrumentation Control Philosophy, Overall Control System Architecture Drawing and Process C&E Matrix	A
5	F&G PLC	A	10	Fire & Gas Detectors Layout and F&G C&E Matrix	A
6	Pressure Safety Valves	A	10	Process Data Sheets of the Instruments	A
7	Control Valves & Accessories	A	10	Process Data Sheets of the Instruments, P&ID / PMS / VMS	A
8	SAPCV	A	10	Process Data Sheets of the Instruments	A
9	HCV	A	10	Process Data Sheets of the Instruments	A
10	Multi Variable Transmitters	A	10	Process Data Sheets of the Instruments	A
11	Flow Computers & Totalizers	A	10	Process Data Sheets of the Instruments	A
12	Deluge Valves	A	10	Process Data Sheets of the Instruments	A
13	Orifice Plate Assembly & Restriction Orifice	A	10	Process Data Sheets of the Instruments	A
14	Ultrasonic Flow Meter	A	10	Process Data Sheets of the Instruments	A
15	Turbine Flow Meter	A	10	Process Data Sheets of the Instruments	A
16	Magnetic Flow Meter	A	10	Process Data Sheets of the Instruments	A
17	Coriolis Flow Meter	A	10	Process Data Sheets of the Instruments	A
18	DP cone Flow Meter	A	10	Process Data Sheets of the Instruments	A
19	Rotameter Flow Meter	A	10	Process Data Sheets of the Instruments	A

20	Sr. Orifice Assembly	A	10	Process Data Sheets of the Instruments	A
21	Shut Down Panels / Hpu / Loop Charging Panel	A	10	Equipment Layout and ESD/FSD/Fusible Plug loop layout	R
22	Umbilical	A	10	Umbilical stability study and design analysis report	A
23	Electronic (P,T,DP &F) Transmitters / Wireless - Transmitters	A	10	P&ID and Process Data Sheets of the Instruments	A
24	Electronic (P,T,F,L) Switches	A	10	P&ID and of Process Data Sheets of the Instruments	A
25	Pneumatic (P & L) Switches	A	10	Process Data Sheets of the Instruments	A
26	Manual ESD / FSD /Fusible Plugs	A	10	Equipment Layout, Fire & Gas Detectors Layout and ESD, FSD & Fusible Plug Loop Layouts	A
27	F&G Detectors, Beacons, Hooters	A	10	Equipment Layout, Fire & Gas Detectors Layout	R
28	Level Transmitter	A	10	Process Data Sheets of the Instruments	A
29	LG / PG / DPG / TG / TW	A	10	Process Data Sheets of the Instruments	A
30	Instrumentation Tubing	A	10		
31	Instrumentation Tube Fittings	A	10		
32	Water Cut / BS&W Meter	A	10	Process Data Sheets of the Instruments	A
33	Multifunction Calibrators	A	10		

MCI Well platform-Mechanical					
Sr No	Description	Cat A/R/I	Time for review	Predecessor Document	Predecessor Document stage
1	Deck Cranes	A	10	Equipment layout	R
2	DCP Skid	A	10	Equipment layout	R
3	Test Separator	A	10	PDS & P&ID	A
4	Instrument and Utility Gas System	A	15	PDS & P&ID	A
5	Miscellaneous Pressure Vessels & Tanks	A	10	PDS & P&ID	A
6	CO2 Snuffing System	A	10	PDS & P&ID	A
7	Material Handling Equipment	A	10	Equipment layout	R
8	Fire Fighting Equipment	A	10	HAZID and QRA study	S
9	Life Saving Equipment	A	10	HAZID and QRA study	S
10	Chemical Transfer Pump	A	10	PDS & P&ID	A
11	Crude Condensate Transfer Pump	A	10	PDS & P&ID	A
12	Chemical Injection Pump	A	10	PDS & P&ID	A
13	Diesel Filters	A	10	PDS & P&ID	A
14	Diesel Transfer Pumps	A	10	PDS & P&ID	A
15	Chemical storage & Dosing System	A	10	PDS & P&ID	A

MCI Well Head platform and modification-Structure					
S.no	Document	Cat A/R/I	Time for review	Predecessor document	Predecessor Document stage
1	Purchase Specification - ALUMINIUM HELI DECK	A	10		
2	Purchase Specification -OCEAN POWERED MARINE GROWTH PREVENTION SYSTEM	A	10		
3	Purchase Specification -RUB STRIPS	A	10		
4	Purchase Specification - FOR GROUT PACK	R	10		
5	Purchase Specification - SHEAR FENDERS	A	10		
6	Purchase Specification -SHOCK CELLS	A	10		
7	Purchase Specification -BARGE BUMPERS	A	10		
8	Purchase Specification -HANDRAIL & GRATINGS	A	10		
9	Purchase Specification -FLOOR & TRENCH DRAIN	A	10		
10	Purchase Specification -Architectural Items -FLOORING	A	10		
11	Purchase Specification -Architectural Items-CEILING	A	10		
12	Purchase Specification -Architectural Items-WALL PANELS	A	10		
13	Purchase Specification -Architectural Items-RAISED FLOORING	A	10		
14	Purchase Specification -Architectural Items-WET UNIT	A	10		
15	Purchase Specification -Architectural Items-wooden & steel FURNITURES	A	10		
16	Purchase Specification -Architectural Items-DOORS & WINDOWS	A	10		

Submarine cable and pipelines

DCI A Pipeline and composite cable-Electrical

Sr No	Doc No	Description	Cat A/R/I	Time for review	Predecessor Document	Predecessor Document stage
		Sub Sea Cable				
1	XXXXXX-EL-XXXXXX-MIS-XXXXXX	Signal List	A	10	P&ID, control scheme	S
2	XXXXXX-EL-XXXXXX-CAL-XXXXXX	Sub sea Cable Sizing Calculations	A	10	Load List of platform	S
3	XXXXXX-EL-XXXXXX-RPT-XXXXXX	Short Circuit calculations	A	10	Cable data sheet	S
4	XXXXXX-EL-XXXXXX-RPT-XXXXXX	Cable Stability Report	A	10	Route survey, Cable data sheet	S
5	XXXXXX-EL-XXXXXX-DS-XXXXXX	Cable Data Sheet	A	10		
6	XXXXXX-EL-XXXXXX-CAL-XXXXXX	J Tube CP Calculation	A	10		
7	XXXXXX-EL-XXXXXX-LO-XXXXXX	Alignment with crossings	A	10	Route survey Report	S
8	XXXXXX-EL-XXXXXX-MIS-XXXXXX	Details of straight through joint / splitter box	A	10		S
9	XXXXXX-EL-XXXXXX-LO-XXXXXX	Cable approach and departure	A	10	Route survey report	S
		Pipeline				
1	XXXXXX-EL-XXXXXX-CAL-XXXXXX	Rigid pipeline and riser CP design report	A	10		S
2	XXXXXX-EL-XXXXXX-CAL-XXXXXX	Flexible Pipeline and I/J tube CP design report	A	10		S
3	XXXXXX-EL-XXXXXX-DWG-XXXXXX	Anode arrangement drawings	A	10	CP calculations	S

Note:-

For modification projects, Pre engineering survey shall be an additional document and this document shall be the predecessor document for all the main documents

DCI A Pipeline and composite cable-Instrumentation						
SL No	Doc No.	Description	Cat A/R/I	Time for review	Predecessor Documents with Status	Predecessor Document stage
1	XXXXXX-IN-XXXXXX-LO-XXXXXX	ESD, FSD & Fusible Plug Loop Layout	A	10	Equipment Layout	R
2	XXXXXX-IN-XXXXXX-LO-XXXXXX	Fire & Gas Detector Location Layout	A	10	Equipment Layout	R
3	XXXXXX-IN-XXXXXX-MTX-XXXXXX	Fire & Gas Cause And Effect Matrix	A	10	Equipment Layout, Fire & Gas Detectors Layout	R

DCI Pipeline-Pipeline

Sr No	Doc No	Description	Cat A/R/I	Time for review	Predecessor Document	Predecessor Document stage
1	XXXXXX-PL-XXXXXX-DWG-XXXXXX	Key Plan for Riser location	R	10		
2	XXXXXX-PL-XXXXXX-DWG-XXXXXX	Pipeline Route Survey Corridor	R	10		
3	XXXXXX-PL-XXXXXX-RPT-XXXXXX	Pre-engineering Route Survey Report	R	10		
4	XXXXXX-PL-XXXXXX-RPT-XXXXXX	Pre- engineering Jacket Face Survey Report	R	10		
5	XXXXXX-PL-XXXXXX-RPT-XXXXXX	Design Basis - Pipeline & Riser	A	10	Pre-engineering Survey Report Submission	S
6	XXXXXX-PL-XXXXXX-RPT-XXXXXX	Pipeline Wall Thickness Design Report	A	10	Design Basis - Pipeline & Riser Submission	S
7	XXXXXX-PL-XXXXXX-RPT-XXXXXX	Pipeline Expansion Analysis Report	A	10	Pipeline Wall Thickness Design Report Submission	S
8	XXXXXX-PL-XXXXXX-RPT-XXXXXX	Pipeline Stability Design Report	A	10	Pipeline Expansion Analysis Report Submission	S
9	XXXXXX-PL-XXXXXX-RPT-XXXXXX	Pipeline Span & Stress Analysis Report	A	10	Pipeline Stability Design Report Submission	S
10	XXXXXX-PR-XXXXXX-RPT-XXXXXX	Pipeline Steady State Flow Analysis Report	A	10		
11	XXXXXX-EL-XXXXXX-RPT-XXXXXX	Pipeline CP Design Report	A	10	Pipeline Alignment Drawing Review	S
12	XXXXXX-PL-XXXXXX-RPT-XXXXXX	Pipeline Crossing Design Report	A	10	Pipeline Alignment Drawing Review	S
13	XXXXXX-PL-XXXXXX-RPT-XXXXXX	Riser Design Report	A	10	Pre-engineering Survey Report Submission	S
14	XXXXXX-PL-XXXXXX-RPT-XXXXXX	Riser Tie-in Spool Design Report	A	10		
15	XXXXXX-PL-XXXXXX-RPT-XXXXXX	Pipeline Route Selection Report	R	10		
16	XXXXXX-ST-XXXXXX-RPT-XXXXXX	Clamp Design Report	A	10	Riser Design Report Submission	S
17	XXXXXX-PL-XXXXXX-DWG-XXXXXX	Pipeline Field Layout Drawing	R	10	Pipeline Alignment Drawing Review	S
18	XXXXXX-PL-XXXXXX-DWG-XXXXXX	Pipeline Alignment Drawing	A	10	Pre-engineering Survey Report Submission	S
19	XXXXXX-PL-XXXXXX-DWG-XXXXXX	Pipeline Approach Drawing	A	10	Pre-engineering Survey Report Submission	S
20	XXXXXX-PL-XXXXXX-DWG-XXXXXX	Riser General Arrangement Drawing	A	10	Pre-engineering Survey Report, Riser Design Report Submission	S
21	XXXXXX-PL-XXXXXX-DWG-XXXXXX	Riser Tie-in Detail Drawing	A	10		
22	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Riser Clamp Detail Drawing	A	10		
23	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Riser Clamp Location Drawing	A	10	Riser Design Report Review	S
24	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Riser Hang off Sleeve Drawing	A	10		
25	XXXXXX-PL-XXXXXX-DWG-XXXXXX	Monel Sheathing Drawing	R	10		
26	XXXXXX-PL-XXXXXX-DWG-XXXXXX	Pipeline Crossing Drawing	A	10	Pipeline Alignment Drawing Review	S
27	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Anode Relocation Drawing	R	10		
28	XXXXXX-ST-XXXXXX-DWG-XXXXXX	Riser Knee Brace Drawing	R	10		
29	XXXXXX-EL-XXXXXX-DWG-XXXXXX	Anode Arrangement Drawing	A	10		
30	XXXXXX-PL-XXXXXX-RPT-XXXXXX	Design Basis- Flexible Pipes	R	10		
31	XXXXXX-PL-XXXXXX-RPT-XXXXXX	Flexible Pipe Design Report	R	10		
32	XXXXXX-ST-XXXXXX-RPT-XXXXXX	I Tube Design Report	A	10		
33	XXXXXX-ST-XXXXXX-RPT-XXXXXX	I Tube Clamp Design Report	A	10		
34	XXXXXX-PL-XXXXXX-DWG-XXXXXX	Flexible Pipeline Alignment Drawing	A	10		
35	XXXXXX-PL-XXXXXX-DWG-XXXXXX	Flexible Pipeline Approach Drawing	A	10		
36	XXXXXX-ST-XXXXXX-DWG-XXXXXX	I Tube General Arrangement Drawing	A	10		
37	XXXXXX-ST-XXXXXX-DWG-XXXXXX	I Tube Clamp Drawings	A	10		
38	XXXXXX-PL-XXXXXX-RPT-XXXXXX	Pipeline Installation Engineering Manual	R	10		

DCI Pipeline-Process						
Sr No	Doc No	Description	Cat A/R/I	Time for review	Predecessor Document	Predecessor Document stage
1	XXXXXX-PR-GEN-RPT-XXXXXX	Process Design Basis	A	10		
2	XXXXXX-PR-GEN-RPT-XXXXXX	Pipeline Simulation Report	A	10	Process Design Basis	S
3	XXXXXX-PR-XXXXXX-PID-XXXXXX	Modification - PIDs	A	10	Process Design Basis, Isolation Philosophy, Pre-Engineering Survey Report	S
4	XXXXXX-PR-XXXXXX-DS-XXXXXX	Process Data Sheets for equipments	A	10	Process Design Basis, Process Simulation	S
5	XXXXXX-PR-XXXXXX-DS-XXXXXX	Process data sheet for instruments	A	10	Process Design Basis, Process Simulation	S
6	XXXXXX-PR-XXXXXX-RP-XXXXXX	Cause & Effect Matrix	A	10	Process Design Basis, PIDs	S
7	XXXXXX-PR-XXXXXX-RP-XXXXXX	SAFE Chart	A	10	Process Design Basis, PIDs	S
8	XXXXXX-PR-XXXXXX-RP-XXXXXX	Alarm & Trip Schedule	A	10	Process Design Basis,	
9	XXXXXX-PR-XXXXXX-CAL-XXXXXX	Safety Valve Sizing Report	A	10	Process Design Basis, Process Simulation Report,	S
10	XXXXXX-PR-XXXXXX-CAL-XXXXXX	Vent Relief and load Calculation Report	A	10	Process Design Basis, Process Simulation Report,	S
11	XXXXXX-PR-XXXXXX-RP-XXXXXX	Process Equipment List	A	10		
12	XXXXXX-PR-XXXXXX-RP-XXXXXX	Line list	A	10		

DCI I Pipeline and composite cable-Electrical

Sr No	Doc No	Description	Cat A/R/I	Predecessor Document	Predecessor Document stage
1	XXXXXX-EL-XXXXXX-RPT-XXXXXX	Cable Route Survey Report	I		
2	XXXXXX-EL-XXXXXX-MIS-XXXXXX	Cable Installation Procedure	I		
		Pipeline			
1	XXXXXX-EL-XXXXXX-DWG-XXXXXX	Anode installation details	I	CP design report	S

DCI I Pipeline and composite cable-Instrumentation

SL No	Doc No.	Description	Cat A/R/I	Predecessor Documents with Status	Predecessor Document stage
1	XXXXXX-IN-XXXXXX-MIS-XXXXXX	Instrument & F&G I/O List	I	P&ID Review, Fire & Gas Detectors Layout	S
2	XXXXXX-IN-XXXXXX-MIS-XXXXXX	Instrument & F&G Index	I	P&ID And Fire & Gas Detectors Layout	S
3	XXXXXX-IN-XXXXXX-MIS-XXXXXX	Instrument & F&G Cable Schedule	I		S
4	XXXXXX-IN-XXXXXX-LO-XXXXXX	Instrument & JB Location Layout	I	Equipment Layout	S
5	XXXXXX-IN-XXXXXX-LO-XXXXXX	Instrument Cable Tray Layout Deckwise	I	Equipment Layout	S
6	XXXXXX-IN-XXXXXX-LO-XXXXXX	Instrument MCT Layout And Schedule	I	Equipment Layout	S
7	XXXXXX-IN-XXXXXX-DWG-XXXXXX	Instrument Junction Box Wiring And Interconnection Diagram	I		
8	XXXXXX-IN-XXXXXX-LO-XXXXXX	Instrument Tube Tray Layout Deckwise	I	Equipment Layout	S
9	XXXXXX-IN-XXXXXX-MIS-XXXXXX	Instrument Tube Schedule	I		
10	XXXXXX-IN-XXXXXX-DWG-XXXXXX	Instrument Installation Drawing	I		
11	XXXXXX-IN-XXXXXX-LD-XXXXXX	Logic Diagrams	I	P&ID	R
12	XXXXXX-IN-XXXXXX-INTL-XXXXXX	Instrument Hook Up Drawing	I	P&ID	S
13	XXXXXX-IN-XXXXXX-PID-XXXXXX	Inst. Loop Schematics	I	P&ID	A
14	XXXXXX-IN-XXXXXX-PID-XXXXXX	Level Sketches	I		

MCI Pipeline and composite cable-Electrical

S.no	Document	Cat A/R/I	Time for review	Predecessor document	Predecessor Document stage
1	Purchase Specification - Sub Sea cables	A	10	Data sheet , Route survey report	S
2	Purchase Specification - Anodes	A	10	CP design report	S

MCI Pipeline and composite cable-Instrumentation					
SL No	Description	Cat A/R/I	Time for review	Predecessor Documents with Status	Predecessor Document stage
1	Well Head Shutdown Panel Modification / Additional Panel	A	10	P&ID	A
2	Process PLC Modification / Integration Of New Addition	A	10	P&ID	A
3	PLC Based F&G System Modification For Additional Detectors	A	10	P&ID	A
4	Pressure Safety Valve	A	10	Process Data Sheets of the Instruments	A
5	F&G Devices	A	10	Fire & Gas Detectors Layout and ESD, FSD and Fusible Plug Loop Layouts	A
6	Umbilical	A	10	Umbilical stability study and design analysis report	A
7	Senior Orifice Plate Assembly	A	10	Process Data Sheets of the Instruments	A
8	Restriction Orifice	A	10	Process Data Sheets of the Instruments	A
9	Pressure & Differential Pressure Gauges	A	10	Process Data Sheets of the Instruments	A
10	Pressure Switch Electric	A	10	Process Data Sheets of the Instruments	A
11	Rotameters	A	10	Process Data Sheets of the Instruments	A
12	Electronic Transmitters,PT,TT+TW Ect	A	10	Process Data Sheets of the Instruments	A
13	Temperature Gauge & Thermowells	A	10	Process Data Sheets of the Instruments	A
14	Pressure Switch-Pneumatic	A	10	Approval of Process Data Sheets of the Instruments	A
15	Level Transmitter	A	10	Process Data Sheets of the Instruments	A

16	Multivariable Transmitters	A	10	Process Data Sheets of the Instruments	A
17	Tubing	A	10		
18	Tube Fitting	A	10		
19	Multifunction Calibrators	A	10		

MCI Pipeline-Pipeline						
Sr No	Doc No	Description	Cat A/R/I	Time for review	Predecessor Document	Predecessor Document stage
1	XXXXXX-PL-XXXXXX-PS-XXXXXX	Purchase Specification for Linepipe	A	10		
2	XXXXXX-PL-XXXXXX-PS-XXXXXX	Purchase Specification for Subsea Flange	A	10		
3	XXXXXX-PL-XXXXXX-PS-XXXXXX	Purchase Specification for Long Radius Bends	A	10		
4	XXXXXX-PL-XXXXXX-PS-XXXXXX	Purchase Specification for Monel Sheets for Risers	A	10		
5	XXXXXX-PL-XXXXXX-PS-XXXXXX	Purchase Specification for Anti-corrosion Coating, Concrete coat	A	10		
6	XXXXXX-PL-XXXXXX-PS-XXXXXX	Purchase Specification for Subsea Ball Valve	A	10		
7	XXXXXX-EL-XXXXXX-PS-XXXXXX	Purchase Specification for Sacrificial Anodes for Pipelines	A	10		
8	XXXXXX-PL-XXXXXX-PS-XXXXXX	Purchase Specification for Flexible Pipes	A	10		

Note 1: The PS has to be submitted in two stages as stipulated elsewhere.

Note 2: The requirement of Predecessor Document is applicable for PS2 only.