

TENDER FOR LSTK Package LSTK-3
Package Description: Mud Settling, Washing and Associated Facilities
SYNOPSIS OF ITB (INSTRUCTIONS TO BIDS)

SR. NO.	VOLUME NO.	NO. OF SECTIONS	DESCRIPTION
1	1	6	COMMERCIAL
			Contains Instructions To Bids (ITB), General Condition of Contract (GCC), Letter Inviting Bid and Acknowledgement-Cum-Consent Letter, Proposal Forms, Schedule of Prices (SP) Form, Commercial Questionnaire
2	2	8	PROJECT MANAGEMENT, SCOPE OF SUPPLIES & SCOPE OF WORK
			Project Management & Planning, Scheduling & Monitoring System, Vendor List, Spare Philosophy, Battery Limit, Scope of Work & Scope of Supplies.
3	3	3	QA PLANS, CONSTRUCTION SPECIFICATIONS & COMMISSIONING
			QA Plan For Engineering & Shop Inspection, Construction Specifications, Construction QA & QC Requirements, Construction HSE Requirements, Construction Management Guideline, Commissioning & Performance Test Run
4	4	7	FEED DOCUMENTS
			Design Basis, Process Description , Equipment List , PFDs, P&IDs, Process Datasheets, Technical Specifications, General Engineering Specifications HSE, Overall Plot Plans (Conceptual), Piping Specification, Fire Fighting, Line List, Load List, Single Line Diagrams, etc.
5	5	1	REFERENCE DOCUMENTS
			Licensor BEP and Other Reference Documents

VOLUME - 1
COMMERCIAL

SECTION NO.	PART NO.	DOCUMENT NO.	DESCRIPTION	REV.
1			Notice Inviting Tender	0
2		6695-PPM-0003	Acknowledgement-Cum- Consent Letter	0
3		6695-PPM-0004	Proposal Forms A-P	0
4		6695-PPM-0005	Instructions To Bidders - (I.T.B.)	0
5		6695-PPM-0006	Special Conditions of Contract (Part A & Part B)	0
6		6695-PPM-0007	Schedule of Prices (SP) Forms	0
7		6695-PPM-0008	Commercial Questionnaire	0
8		6695-PRC-504-CA-0013	Technical Questionnaire	0
9			General Terms And Conditions Of Contract	0
10			General Conditions Of Contract	0

SECTION NO.	PART NO.	DOCUMENT NO.	DESCRIPTION	REV.
VOLUME - 2				
PROJECT MANAGEMENT, SCOPE OF SUPPLIES & SCOPE OF WORK				

1			Project Management	
	1	6695-PMG-G00-BD-0005	Project Execution Plan Requirement For Contractor	02
	2	6695-PRC-504-AB-0001	Document Matrix	00
	3	6695-PDM-G00-BD-0002	Vendor Documentation Procedure	00
	4	6695-PMG-G00-BD-0006	IT & Software Requirements	00
2			Project Planning, Scheduling & Monitoring System	
	1	6695-PSC-G00-BE-0006	Project Planning, Scheduling & Monitoring System For Contractor	02
3			Vendor List & Spare Philosophy	
	1	6695-PPM-504-BA-0001	Equipment Vendor List	00
	2	6695-PRC-504-CA-0009	Spare Philosophy	01
4			Job Instruction	
	1	6695-PRC-504-CA-0008	General Job Instructions to Contractor	00
5			Battery Limit Documents	
	1	6695-PRC-504-CA-0007	Battery Limit Documents - Process	01
	2	6695-ELT-504-CA-0002	Battery Limit & Interfaces - Electrical	00
	3	6695-INS-504-CA-0001	Battery Limit & Interfaces - Instrumentation	00
6			Scope Of Work	
	1	6695-PRC-504-CA-0010	Scope Of Work For Contractor- General	01
	2	6695-PRC-504-CA-0011	Scope Of Work For Contractor - Process	01
	3	6695-EQS-504-CA-0001	Scope Of Work For Contractor - Static Equipment	00
	4	6695-EQM-504-CA-0013	Scope Of Work For Contractor - Rotating Equipment	00
	5	6695-PIP-504-CA-0001	Scope of Work for Contractor - Piping & Material Handling	00
	6	6695-CVC-504-CA-0001	Scope Of Work For Contractor - Civil, Structural & Architectural	01
	7	6695-ELT-504-CA-0001	Scope Of Work For Contractor - Electrical	00
	8	6695-INS-504-CA-0002	Scope Of Work For Contractor - Instrumentation	00

SECTION NO.	PART NO.	DOCUMENT NO.	DESCRIPTION	REV.
VOLUME - 3				
QA & HSE PLANS				

1			Quality Assurance Plan Requirement	
	1	6695-IEX-G00-EC-0001	Project Inspection & Test Plan For Shop Inspection - Static Equipment & Packages (For Electrical, refer respective ELTech Specs)	00
	2	6695-CMG-G00-CA-0005	Construction Quality Assurance & Control Requirements	01
	3	6695-EQM-G00-QA-0001	Inspection Test Plan Requirements For Rotating Equipment	01
	4	6695-INS-G00-QA-0001	Inspection Test Plan Instrumentation	01
	5	6695-INS-G00-QA-0002	Inspection Test Plan Instrumentation Erection	01
	6	6695-ELT-G00-QA-0001	QAP for Site Installation, testing & Commissioning - Electrical	00
	7	6695-PRC-504-CA-0012	Inspection Categorization Plan	00
2			Health, Safety & Environmental Requirements	
	1	6695-PRC-G00-BG-0001	Health, Safety & Environmental Requirements For Engineering	02
	2	6695-CMG-G00-CA-0003	Construction Health, Safety & Environmental Requirements	01
3	1	6695-CMG-G00-CA-0004	Construction Management Requirements	01

VOLUME - 4				
TECHNICAL DOCUMENTS				

1			PROCESS	
	1	6695-PRC-G00-EC-0001	Project Design Basis	01
	2	6695-PRC-000-FB-0101 to 0105	Legend sheet P&ID's	01
	3		Process Flow Diagram	
	3.1	6695-PRC-504-CA-0001	High Rate Decanters	01
	3.2	6695-PRC-504-CA-0002	HRD Overflow Tanks and Pumps	01
	3.3	6695-PRC-504-CA-0003	Deep Cone Washers 1, 2 & 3	01
	3.4	6695-PRC-504-CA-0004	Deep Cone Washers 4, 5 & 6	01
	3.5	6695-PRC-504-CA-0005	Flocculant Preparation & Distribution	01
	3.6	6695-PRC-504-CA-0006	Causticsation	01
	3.7	6695-PRC-505-CA-0001	TCA Preparation	01
	4		Piping and Instrumentation Diagrams	
	4.1	6695-PRC-504-CA-0101	High Rate Decanter 1	01
	4.2	6695-PRC-504-CA-0102	High Rate Decanter 3	01
	4.3	6695-PRC-504-CA-0103	High Rate Decanter 2	01
	4.4	6695-PRC-504-CA-0104	HRD Overflow Tank	01
	4.5	6695-PRC-504-CA-0105	HRD Overflow Pumps	01
	4.6	6695-PRC-504-CA-0106	Settling Area Sumpage	01
	4.7	6695-PRC-504-CA-0107	Settling Area Chemical Cleaning Liquor Heater	01
	4.8	6695-PRC-504-CA-0108	Deep Cone Washer 1	01

SECTION NO.	PART NO.	DOCUMENT NO.	DESCRIPTION	REV.
	4.9	6695-PRC-504-CA-0109	Deep Cone Washer 2	01
	4.10	6695-PRC-504-CA-0110	Deep Cone Washer 3	01
	4.11	6695-PRC-504-CA-0111	Deep Cone Washer 4	01
	4.12	6695-PRC-504-CA-0112	Deep Cone Washer 5	01
	4.13	6695-PRC-504-CA-0113	Deep Cone Washer 6	01
	4.14	6695-PRC-504-CA-0114	Fluidized Scale Baskets	01
	4.15	6695-PRC-504-CA-0115	Mud Wash Water Tank and Pumps	01
	4.16	6695-PRC-504-CA-0116	Washing Area Sumpage	01
	4.17	6695-PRC-504-CA-0117	Washing Area Chemical Cleaning Liquor Heater	01
	4.18	6695-PRC-504-CA-0118	Flocculant Preparation Syn.Floc A & B	01
	4.19	6695-PRC-504-CA-0119	Flocculant Preparation Syn.Floc C	01
	4.20	6695-PRC-504-CA-0120	Secondary Dilution Tanks	01
	4.21	6695-PRC-504-CA-0121	Dosing Pump Details	01
	4.22	6695-PRC-504-CA-0122	Dosing Pump Details	01
	4.23	6695-PRC-504-CA-0123	Causticiser Tanks and Pumps	01
	4.24	6695-PRC-505-CA-0101	TCA Preparation Tanks	01
	4.25	6695-PRC-505-CA-0102	TCA Dosing Pumps	01
	5	6695-PRC-504-PD-0001	Equipment List (Major)	01
	6		Technical Specifications	
	6.1	6695-PRC-504-EC-0001	Technical specification of Mud Settling, Washing and Associated Facilities	01
		-	Annexure I	
	7	6695-PRC-000-BG-0002	Commissioning & Performance Test Run	01
2			ROTATING	
	1		General Engineering Specifications & Other Technical Documents	
	1.1	6695-EQM-G00-EC-0001	General Engineering Specification For Slurry & Liquor Pumps	02
	1.2	6695-EQM-G00-EC-0002	General Engineering Specification For Non API Pumps	01
	1.3	6695-EQM-G00-EC-0004	General Engineering Specification For Agitator & Mixer	02
	1.4	6695-EQM-G00-EC-0007	General Engineering Specification For Positive displacement pumps	01
	1.5	6695-HVA-G00-EC-0001	General Engineering Specification For HVAC	01
	2		Technical specifications	
	2.1	6695-EQM-G00-EC-0011	Technical Specification For Centrifugal Slurry and Liquor Pumps	01

SECTION NO.	PART NO.	DOCUMENT NO.	DESCRIPTION	REV.
	2.2	6695-EQM-G00-EC-0012	Technical Specification For Non API Centrifugal Pumps	00
	2.3	6695-EQM-G00-EC-0013	Technical Specification For Agitators	01
	2.4	6695-EQM-G00-EC-0016	Technical Specification For Vertical Sump Pumps	00
	2.5	6695-HVA-G00-EC-0001	Technical Specification For HVAC & pressurisation unit	00
3			STATIC EQUIPMENT	
	1		General Engineering Specifications	
	1.1	6695-EQS-000-EC-0001	GES for Pressure Vessel	01
	1.2	6695-EQS-000-EC-0003	GES for Heat Exchanger	01
	1.3	6695-EQS-000-EC-0004	GES for Storage Tanks	01
	1.4	6695-EQS-000-EC-0007	GES for Painting	01
	1.5	6695-EQS-000-EC-0008	GES for Insulation	01
	1.6	6695-EQS-000-EC-0005	GES for Plate Heat Exchangers	01
	2.0	-	Causticiser Tank Data Sheet	00
4			PIPING	
	1	6695-LAY-G00-LD-0001	Overall Plot Plan	01
	2	6695-LAY-504-LD-0001	Part plan for Mud Settling, Mud Washing, TCA Preparation, Flocculant Preparation Area	01
	2		Piping Specification	
	2.1	6695-PIP-G00-EC-0003	Piping Specification	02
	2.2	6695-PIP-G00-EC-0008	Technical Requirement for Valves	02
	2.3	6695-PIP-G00-EC-0007	Technical Requirement for Pipes,Fittings, Flanges, Gaskets & Fasteners	01
	2.4	6695-PIP-G00-EC-0010	Technical Requirement for Special Parts	02
	2.5	6695-PIP-G00-EC-0006	Technical Specifications For 3-D Model	00
	3		General Engineering Specification	
	3.1	6695-PIP-G00-EC-0001	GES for Above ground steel piping	01
	3.2	6695-LAY-G00-EC-0001	GES for Plant Layout	01
	3.3	6695-PIP-G00-EC-0002	GES for Piping Flexibility Analysis	01
	3.4	6695-PIP-G00-EC-0004	GES for Material Handling Equipment	02
	3.5	6695-HES-G00-EC-0001	GES for Fire Fighting System (LSTK Packages)	02
5			CIVIL	
	1		General Documents	
	1.1	6695-CVC-G00-EC-0001	General Engineering Specification - Civil, Structural & Architectural	02
	1.2	6695-CVC-G00-EC-0002	Technical Specifications for Construction Works - Civil, Structural & Architectural	00
	1.3	6695-CVC-G00-EC-0003	Standard Instruction Design Calculation Documentation	01
	1.4	6695-CVC-G00-EB-0005	Standard Drawings - Architectural	00
	1.5	6695-CVC-G00-EB-0006	Standard Drawings - RCC	00
	1.6	6695-CVC-G00-EB-0007	Standard Drawings - Structural Steel	01
	2		Reference Document	
	2.1	6695-CVC-G00-DD-0001_Part A	Soil Investigation Report_DFR stage	00
		6695-CVC-G00-DD-0001_Part B	Geotechnological Investigation Report_April 2018	00
	2.2	6695-CVC-G00-DD-0002_Part A	Traverse & Topographic Survey (Contour Plan) Report	00
		6695-CVC-G00-DD-0002_Part B	Contour and Topographical Survey Report_April 2018	00
6			ELECTRICAL	

SECTION NO.	PART NO.	DOCUMENT NO.	DESCRIPTION	REV.
	1		General	
	1.1	6695-ELT-G00-EC-0002	General Engineering Specification - Electrical	03
	1.2	6695-ELT-G00-FA-0001	Overall Key SLD	04

SECTION NO.	PART NO.	DOCUMENT NO.	DESCRIPTION	REV.
	1.3	6695-ELT-G00-FA-0003	Typical Detail Single Line diagram	02
	1.4	6695-ELT-526-LH-4001	Substation arrangement layout - Substation US-504 (LSTK)	00
	1.5	6695-ELT-G00-FA-0002	Block Diagram for earthing & lightning protection concept	00
	1.6	6695-ELT-G00-EC-0003	Guidelines For Electrical Equipment Numbering System	02
	1.7	6695-ELT-G00-FS-0001	Typical I/O list for SCADA	01
	1.8	6695-ELT-G00-EB-0001	Standard Formats for Lists (Consumer, cable, feeder, LCS, Operation mode list)	00
	1.9	6695-ELT-G00-EC-0004	Design Guidelines For Electrical Facilities	02
	1.10	6695-ELT-G00-FA-0004	Typical SCADA Block diagram for unit substation level networking	01
	2		Technical Specifications of Electrical equipments	
	2.1	6695-ELT-G00-EC-0006	Technical Specifications - Distribution Transformers (Energy Efficient)	00
	2.2	6695-ELT-G00-EC-0007	Technical Specifications - High Voltage Switchgear Panels	02
	2.3	6695-ELT-G00-EC-0009	Technical Specifications - Low Voltage Switchgear Panels	02
	2.4	6695-ELT-G00-EC-0010	Technical Specifications - Low Voltage Busduct	01
	2.5	6695-ELT-G00-EC-0011	Technical Specifications - High Voltage Induction Motors	00
	2.6	6695-ELT-G00-EC-0012	Technical Specifications - Low Voltage Induction Motors	00
	2.7	6695-ELT-G00-EC-0013	Technical Specifications - HV power factor improvement Capacitors	00
	2.8	6695-ELT-G00-EC-0015	Technical Specification for Un-Interruptible Power Supply System (UPS)	00
	2.9	6695-ELT-G00-EC-0016	Technical Specifications - VRLA	00
	2.10	6695-ELT-G00-EC-0017	Technical Specifications - Battery Charger	00
	2.11	6695-ELT-G00-EC-0018	Technical Specifications - High Voltage Cables	00
	2.12	6695-ELT-G00-EC-0019	Technical Specifications - Low Voltage Cables	00
	2.13	6695-ELT-G00-EC-0020	Technical Specifications - Miscellaneous Low Voltage Switchgear	00
	2.14	6695-ELT-G00-EC-0021	Technical Specifications - Local Control Stations	00
	2.15	6695-ELT-G00-EC-0022	Technical Specifications - Industrial Light Fittings	00
	2.16	6695-ELT-G00-EC-0024	Technical Specifications - LV Variable Frequency Drive	01
	2.17	6695-ELT-G00-EC-0025	Technical Specifications - Goods cum Passenger Elevator/Lift	01
	2.18	6695-ELT-G00-EC-0026	Technical Specifications - EOT Crane	01
	2.19	6695-ELT-G00-EC-0027	Technical Specifications - Electrical Installation	00
	2.20	6695-ELT-G00-EC-0028	Technical Specifications - Lighting Transformers (Dry Type)	00
	2.21	6695-ELT-G00-EC-0029	Technical Specifications - Electric hoist	01
	2.22	6695-ELT-G00-EC-0030	Technical Specifications - GI Cable Trays	01
	2.23	6695-ELT-G00-EC-0031	Technical Specifications - High mast for lighting	00
	2.24	6695-ELT-G00-EC-0032	Technical Specifications - HV Variable Frequency Drives	02
	2.25	6695-ELT-G00-EC-0033	Technical Specifications - Bulk Material	00
	2.26	6695-ELT-G00-EC-0023	Technical Specifications - Neutral Grounding Resistor	00
	2.27	6695-ELT-G00-EC-0034	Technical Specifications - Distribution Transformer	00
	2.28	6695-ELT-G00-EC-0035	Technical Specifications - LV Power factor Capacitor	00
7			INSTRUMENTATION	
	1		General	
	1.1	6695-INS-G00-EC-0001	General Engineering Specification For Instrumentation & Control	02

VOLUME - 5
REFERENCE DOCUMENTS

			Licensor BEP and Other Reference Documents (wherever applicable).	
1		Area 240 - Mud Settling		
	1	Z02-240-1-LI-001	Drawing List	A
	2	Z02-240-0-PID-0001 to 0008	P&ID - Settling Area	B

SECTION NO.	PART NO.	DOCUMENT NO.	DESCRIPTION	REV.
	3	Z02-240-1-DC-001	Technical Description	B
	4	Z02-240-1-GA-0001	Plant Layout - Top View General Arrangement	B
	5	Z02-240-1-GA-0002	Elevation Looking North View - General Arrangement	A
	6	Z02-240-1-GA-0003	Elevation Looking South View - General Arrangement	A
	7	Z02-240-1-GA-0004	Elevation Looking West View - General Arrangement	A
	8	Z02-240-1-GA-0005	Elevation Looking East View - General Arrangement	A
	9	Z02-240-1-GA-0006	Sub Area Drawing Allocation - General Arrangement	A
	10	Z02-240-1-GA-0007	Grade Level - TK240-501 - General Arrangement	A
	11	Z02-240-1-GA-0008	Top View - TK501 - General Arrangement	A
	12	Z02-240-1-GA-0009	Grade level - TK240-503 - General Arrangement	A
	13	Z02-240-1-GA-0010	Top View - TK503 - general arrangement	A
	14	Z02-240-1-GA-0011	Grade Level - TK240-502 - general arrangement	A
	15	Z02-240-1-GA-0012	Top View - TK502 - General Arrangement	A
	16	Z02-240-1-GA-0013	Grade level - feeding manifold - General Arrangement	A
	17	Z02-240-1-GA-0014	Top view - feeding manifold - General Arrangement	A
	18	Z02-240-1-GA-0015	Top view - TK240-504 - TK240-505 - General Arrangement	A
	19	Z02-240-1-GA-0016	Top view - TK240-506 - TK240-507 - General Arrangement	A
	20	Z02-240-1-RE-001	Preliminary Hazop	A
	21	Z02-240-1-SP-001	Technical specification - High Rate Decanter Rake	A
	21	Z02-240-1-SP-002	Technical specification - High Rate Decanter Rake Drive	B
	22	Z02-240-1-SP-005	Technical specification - High Rate Decanter Mud Instruments	B
	23	Z02-240-3-DET-0001	Concrete - Foundation and Slab Layout	B
	24	Z02-240-4-DET-0001	Structural Guideline Drawing	A
	25	Z02-240-5-CA-0001	Hydraulics - High Rate Decanter Underflow Pumps - PU240-501,2,3A-B	A
	26	Z02-240-5-CA-0002	Hydraulics - High Rate Decanter Overflow Recycle Pumps - PU240-511-512-513	A
	27	Z02-240-5-CA-0003	Hydraulics - High Rate Decanter Overflow Pumps - PU240-506-507-508-509	A
	28	Z02-240-5-CA-0004	Hydraulics - TCA Dosing Pumps - PU240-504A-B-C-D-E	A
	29	Z02-240-5-CA-0005	Hydraulics - Sump Pumps - PU240-521-522-523-524	A
	30	Z02-240-6-GA-0001	High Rate Decanter TK240-501 - Guideline Drawing	B
	31	Z02-240-6-GA-0002	High Rate Decanter TK240-502- Guideline Drawing	B
	32	Z02-240-6-GA-0003	High Rate Decanter TK240-503 - Guideline Drawing	B
	33	Z02-240-6-GA-0004	High Rate Decanter TK240-504 - Guideline Drawing	B
	34	Z02-240-6-GA-0005	High rate Decanter TK240-505 - Guideline Drawing	B
	35	Z02-240-6-GA-0006	TCA Prep Tank TK240-506 - Guideline Drawing	B
	36	Z02-240-6-GA-0007	TCA Prep Tank TK240-507 - Guideline Drawing	B
	37	Z02-240-6-GA-0008	Condensate Pot VE240-501 - Guideline Drawing	B
	38	Z02-240-6-GA-0009	Heat Exchanger EX240-501 - Guideline Drawing	B
	39	Z02-240-5-LI-001	Equipment List	A
	40	Z02-240-7-LI-001	Pipeline Summary list	A
	41	Z02-240-8-LI-001	Instrument list	B
	42	Z02-240-9-LI-001	Motor & Power Requirements List	A
2		Mud Washing		
	1	Z02-241-1-LI-001	Drawing List	A
	2	Z02-241-0-PID-0001 to 0010	P&ID - Washing Area	B
	3	Z02-241-1-DC-001	Technical Description	B
	4	Z02-241-1-GA-0001	Plant Layout	B
	5	Z02-241-1-GA-0002	Elevation Looking North - General Arrangement	A
	6	Z02-241-1-GA-0003	Elevation Looking South - General Arrangement	A
	7	Z02-241-1-GA-0004	Elevation Looking West - General Arrangement	A
	8	Z02-241-1-GA-0005	Elevation Looking East - General Arrangement	A
	9	Z02-241-1-GA-0006	Sub Area Drawing Allocation - General Arrangement	A

SECTION NO.	PART NO.	DOCUMENT NO.	DESCRIPTION	REV.
	10	Z02-241-1-GA-0007	Grade Level Plot Plan (TK241-501 & TK241-504 Area) - General Arrangement	A
	11	Z02-241-1-GA-0008	Plot Plan At Level 8560 (TK241-501 & TK241-504) - General Arrangement	A
	12	Z02-241-1-GA-0009	Plot Plan At Top Level (TK241-501 & TK241-504) - General Arrangement	A
	13	Z02-241-1-GA-0010	Grade Level Plot Plan (TK241-502 & TK241-503) - General Arrangement	A
	14	Z02-241-1-GA-0011	Plot Plan At Level 8560 (TK241-502 & TK241-503) - General Arrangement	A
	15	Z02-241-1-GA-0012	Plot Plan At Top Level (TK241-502 & TK241-503) - General Arrangement	A
	16	Z02-241-1-GA-0013	Grade Level Plot Plan (TK241-505 & TK241-507) - General Arrangement	A
	17	Z02-241-1-GA-0014	Plot Plan At Level 8560 (TK241-505 & TK241-507) - General Arrangement	A
	18	Z02-241-1-GA-0015	Plot Plan At Top Level (TK241-505 & TK241-507) - General Arrangement	A
	19	Z02-241-1-GA-0016	Grade Level Plot Plan (TK241-506 & TS241-506A-B) - General Arrangement	A
	20	Z02-241-1-GA-0017	Plot Plan At Level 8560 (TK241-506 & TS241-506A-B) - General Arrangement	A
	21	Z02-241-1-GA-0018	Plot Plan At Top Level (TK241-506 & TS241-506A-B) - General Arrangement	A
	22	Z02-241-1-RE-001	Preliminary Hazop	A
	23	Z02-241-1-SP-001	Technical Specification - Deep Cone Washer Rake	C
	24	Z02-241-1-SP-002	Technical Specification - Deep Cone Washer 1 & 2 Rake Drive	C
	25	Z02-241-1-SP-003	Technical Specification - Deep Cone Washer 3 & 4 Rake Drive	C
	26	Z02-241-1-SP-004	Technical Specification - Deep Cone Washer 5 & 6 Rake Drive	C
	27	Z02-241-1-SP-005	Technical Specification - Deep Cone Washer Mud Instruments	B
	28	Z02-241-1-SP-007	Technical Specification - Fluidised Scale Basket	A
	29	Z02-241-3-DET-0001	Concrete - Foundation And Slab Layout	B
	30	Z02-241-4-DET-0001	Structural - Guideline Drawing	A
	31	Z02-241-5-CA-001	Hydraulics - Deep Cone Washer Overflow Dilution Pumps - PU241-507A-B	A
	32	Z02-241-5-CA-002	Hydraulics - Deep Cone Washer Overflow Pumps - PU241-509A-B	A
	33	Z02-241-5-CA-003	Hydraulics - Booster Pump - PU241-513	A
	34	Z02-241-5-CA-004	Hydraulics - Washer Overflow Pumps - PU241-510A-B - PU241-511A-B	A
	35	Z02-241-5-CA-005	Hydraulics - Deep Cone Washer 1 Underflow Pumps -PU241-501A-B	A
	36	Z02-241-5-CA-006	Hydraulics - Washer Overflow Pumps - PU241-512A-B	A
	37	Z02-241-5-CA-007	Hydraulics - Mud Wash Water Pumps - PU241-514A-B	A
	38	Z02-241-5-CA-008	Hydraulics - Sump Pumps - PU241-521-522-523-524	A
	39	Z02-241-5-CA-009	Hydraulics - Overflow Recirculation Pump - PU241-515	A
	40	Z02-241-5-CA-010	Hydraulics - Deep Cone Washer 2 Underflow Pumps -PU241-502A-B	A
	41	Z02-241-5-CA-011	Hydraulics - Deep Cone Washer 2 Underflow Pumps -PU241-503A-B	A
	42	Z02-241-5-CA-012	Hydraulics - Deep Cone Washer 2 Underflow Pumps -PU241-504A-B	A
	43	Z02-241-5-CA-013	Hydraulics - Deep Cone Washer 2 Underflow Pumps -PU241-505A-B	A
	44	Z02-241-5-CA-014	Hydraulics - Deep Cone Washer 2 Underflow Pumps -PU241-506A-B	A
	45	Z02-241-5-CA-015	Hydraulics - Deep Cone Washer Overflow - PU241-508A-B	A
	46	Z02-241-6-GA-0001	Deep Cone Washer TK241-501 - Guideline Drawing	B
	47	Z02-241-6-GA-0002	Deep Cone Washer TK241-502 - Guideline Drawing	B
	48	Z02-241-6-GA-0003	Deep Cone Washer TK241-503 - Guideline Drawing	B
	49	Z02-241-6-GA-0004	Deep Cone Washer TK241-504 - Guideline Drawing	B
	50	Z02-241-6-GA-0005	Deep Cone Washer TK241-505 - Guideline Drawing	B
	51	Z02-241-6-GA-0006	Deep Cone Washer TK241-506 - Guideline Drawing	B
	52	Z02-241-6-GA-0007	Mud Wash Water Tank TK241-507 - Guideline Drawing	B
	53	Z02-241-6-GA-0008	Condensate Pot VE241-501 - Guideline Drawing	B
	54	Z02-241-6-GA-0009	Heat Exchanger EX241-501 - Guideline Drawing	B
	55	Z02-241-5-LI-001	Equipment List	A
	56	Z02-241-7-LI-001	Pipeline summary list	A
	57	Z02-241-8-LI-001	Instrument list	B

SECTION NO.	PART NO.	DOCUMENT NO.	DESCRIPTION	REV.
	58	Z02-241-9-LI-001	Motor & Power Requirements List	A
3		Flocculant Preparation And Distribution Area		
	1	Z02-245-1-LI-001	Drawing List	A
	2	Z02-245-0-PID-0001 to 0005	P&ID - Washing Area	B
	3	Z02-245-1-DC-001	Technical Description	B
	4	Z02-245-1-GA-0001	Plant Layout - Plan View	B
	5	Z02-245-1-GA-0002	Elevation Looking North - General Arrangement	A
	6	Z02-245-1-GA-0003	Elevation Looking South - General Arrangement	A
	7	Z02-245-1-GA-0004	Elevation Looking West - General Arrangement	A
	8	Z02-245-1-GA-0005	Elevation Looking East - General Arrangement	A
	9	Z02-245-1-GA-0006	Plan View, Roof Structure And Roof Removed - Sub Area Drawing Allocation	A
	10	Z02-245-1-GA-0007	Plan View, Roof Structure And Roof Removed - Sub Area West, Grade Level	A
	11	Z02-245-1-GA-0008	Plan View, Roof Structure And Roof Removed - Sub Area West, Top Level	A
	12	Z02-245-1-GA-0009	Plan View, Roof Structure And Roof Removed - Sub Area West, Top Level	A
	13	Z02-245-1-GA-0010	Plan View, Roof Structure And Roof Removed - Sub Area East, Top Level	A
	14	Z02-245-1-SP-001	Technical Specification For Flocculants Preparation	A
	15	Z02-245-1-RE-001	Preliminary Hazop - Flocculant Area	A
	16	Z02-245-3-DET-0001	Concrete - Fondation And Slab Layout	B
	17	Z02-245-4-DET-0001	Structural - Guideline Drawing	A
	18	Z02-245-5-CA-001	Hydraulics - Dosing Pumps - PU245-501 TO PU245-506	A
	19	Z02-245-5-CA-002	Hydraulics - Dosing Pumps - PU245-507A-B TO PU245-512A-B	A
	20	Z02-245-5-CA-003	Hydraulics - HRD Secondary Dilution Pumps - PU245-513A-B	B
	21	Z02-245-5-CA-004	Hydraulics - Secondary Dilution Pumps - PU245-514A-B	A
	22	Z02-245-5-CA-005	Hydraulics - Sump Pumps - PU245-521	A
	23	Z02-245-5-DS-003	Data Sheet - Secondary Dilution Pumps - PU245-513A-B	B
	24	Z02-245-6-GA-0001	Syn.Floc A Tank TK245-501 - Guideline Drawing	B
	25	Z02-245-6-GA-0002	Syn.Floc B Tank 245-502 - Guideline Drawing	B
	26	Z02-245-6-GA-0003	Syn.Floc B Tank 245-503 - Guideline Drawing	B
	27	Z02-245-6-GA-0004	Syn.Floc C Tank 245-504 - Guideline Drawing	B
	28	Z02-245-6-GA-0005	HRD Secondary Dilution Tank TK245-505 - Guideline Drawing	A
	29	Z02-245-6-GA-0006	DCW Secondary Dilution Tank TK245-506 - Guideline Drawing	A
	30	Z02-245-5-LI-001	Equipment List	B
	31	Z02-245-7-LI-001	Pipeline summary list	A
	32	Z02-245-8-LI-001	Instrument list	B
	33	Z02-245-9-LI-001	Motor & Power Requirements List	B
4		Flocculant Preparation And Distribution Area		
	1	Z02-249-1-LI-001	Drawing List	A
	2	Z02-249-1-GA-0001	Causticisation Area - Plant Layout - Overall View	A
	3	Z02-249-1-GA-0002	Causticisation Area - GeneralArrangement - Plan View - EL+4500	A
	4	Z02-249-1-GA-0003	Causticisation Area - GeneralArrangement - Plan View - EL+14500	A
	5	Z02-249-1-DC-001	Technical Description	A
5		-	State pollution control board order dated 21.04.17	
6		-	Ministry of Environment, Forest and climate change order dated 12.04.17	