

6695-CMG-G00-CA-0026				
TENDER FOR Package LSTK-6				
Package Description: Lime handling, storage & preparation (Slaking)				
SYNOPSIS OF TENDER				
SR. NO.	VOLUME NO.	NO. OF SECTIONS	DESCRIPTION	
1	1	6	COMMERCIAL	
			Contains Instructions To Bids (ITB), General Condition of LSTK Contract (GCC), Special Conditions of Contract (SCC), Notice Inviting Tender and Acknowledgement-Cum-Consent Letter, Proposal Forms, Schedule of Prices (SP) Form and Commercial Questionnaire	
2	2	8	PROJECT MANAGEMENT, SCOPE OF SUPPLIES & SCOPE OF WORK	
			Project Management & Planning, Scheduling & Monitoring System, Vendor List, Spare Philosophy, technical questionnaire, 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	TECHNICAL DOCUMENTS	
			Design Basis, System Description , Equipment List , PFDs, Equipment Datasheets, Technical Specifications, General Engineering Specifications, Overall Plot Plans (Conceptual), Piping Specification, Civil Standard drawings, Single Line Diagrams, Installation Standards etc.	
5	5	1	REFERENCE DOCUMENTS	
			Licensors BEP and Other Reference Documents	
VOLUME - 1				
COMMERCIAL				
SECTION NO.	PART NO.	DOCUMENT NO.	DESCRIPTION	REV.
1		695-CMG-G00-CA-0026	Notice Inviting Tender (with enclosures listed therein)	----
2		695-CMG-G00-CA-0026	Acknowledgement-Cum- Consent Letter	00
3		695-CMG-G00-CA-0026	Proposal Forms A - P	----
4		695-CMG-G00-CA-0026	Instructions To Bidders - (I.T.B.) (with enclosures listed therein)	00
5		695-CMG-G00-CA-0026	Special Conditions of Contract (Part A & Part B) (with enclosures listed therein)	00
6		695-CMG-G00-CA-0026	Schedule of Prices (SP) Forms	00
7		695-CMG-G00-CA-0026	Commercial Questionnaire	00
8		-----	General Conditions of Contract (GCC Indigeneous)	----
9		-----	Bank Guarantee Format	----

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	03
	2	6695-EQS-556-AB-0001	Document Matrix	02
	3	6695-PDM-G00-BD-0002	Vendor's Documentation	02
	4	6695-PMG-G00-BD-0006	IT & Software Requirements	01
	5	6695-PDM-G00-BD-0001	Document Coding	01
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-CMG-G00-CA-0026	Equipment Vendor List for LSTK6	01
	2	6695-EQS-556-CA-0005	Spare Philosophy	02
4			Job Instruction	
	1	6695-EQS-556-CA-0003	General Job Instructions to Contractor	00
	2	6695-EQS-556-CA-0004	Technical Questionnaire	01
5			Battery Limit Documents	
	1	6695-PRC-556-CA-0002	Battery Limit Documents - Process	02
	2	6695-ELT-556-CA-0002	Battery Limit & Interfaces - Electrical	01
	3	6695-INS-556-CA-0001	Battery Limit & Interfaces - Instrumentation	00
6			Scope Of Work	
	1	6695-EQS-556-CA-0002	Scope Of Work For Contractor - General	01
	2	6695-EQS-556-CA-0001	Scope Of Work For Contractor - Static Equipment	00
	3	6695-EQM-556-CA-0013	Scope Of Work For Contractor - Rotating Equipment	00
	4	6695-PIP-556-CA-0001	Scope of Work for Contractor - Piping & Material Handling	01
	5	6695-CVC-556-CA-0001	Scope Of Work For Contractor - Civil, Structural & Architectural	02
	6	6695-ELT-556-CA-0001	Scope Of Work For Contractor - Electrical	02
	7	6695-INS-556-CA-0002	Scope Of Work For Contractor - Instrumentation	01
	8	6695-PRC-556-CA-0003	Scope Of Work For Contractor - Process	00
VOLUME - 3				
QA & HSE PLANS				
1			Quality Assurance Plan Requirement	
	1	6695-EQS-556-CA-0006	Inspection Categorization Plan	00
	2	6695-IEX-G00-EC-0001	Project Inspection & Test Plan For Shop Inspection - Static Equipment & Packages (For Electrical, refer respective ELTech Specs)	00
	3	6695-CMG-G00-CA-0005	Construction Quality Assurance & Control Requirements	01
	4	6695-EQM-G00-QA-0001	Inspection Test Plan Requirements For Rotating Equipment	01
	5	6695-INS-G00-QA-0001	Inspection Test Plan Instrumentation	01
	6	6695-INS-G00-QA-0002	Quality Assurance plan for Instrumentation Erection	01
	7	6695-ELT-G00-QA-0001	QAP for Site Installation, testing & Commissioning - Electrical	00

SECTION NO.	PART NO.	DOCUMENT NO.	DESCRIPTION	REV.
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	02
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	02
	2	6695-PRC-000-FB-0101 to 105	Legend sheet P&ID's	02
	3		Process Flow Diagram	
	3.1	6695-PRC-556-CA-0001	Lime slaking	03
	3.2	6695-PIP-556-FB-0001	Lime handling: Solid Part	01
	4	6695-PRC-556-PD-0001	Equipment List	02
	5	6695-PRC-G00-BG-0002	Commissioning & Performance Test Run	02
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-0004	General Engineering Specification For Agitator & Mixer	02
	1.3	6695-HVA-G00-EC-0001	General Engineering Specification For HVAC	01
	1.4	6695-EQM-G00-EC-0008	General Engineering Specification for Non-API Pumps Centrifugal Pumps – Shop Inspection & Test	01
	2		Technical specifications	
	2.1	6695-EQM-G00-EC-0011	Technical Specification For Slurry & Liquor Pump	02
	2.2	6695-EQM-G00-EC-0013	Technical Specification For Agitators	01
	2.3	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-0004	GES for Tanks	01
	1.3	6695-EQS-000-EC-0007	GES for Painting	01
	1.4	6695-EQS-000-EC-0008	GES for Insulation	01
	2		Technical specifications	
	2.1	6695-EQS-556-EC-0004	Specification for Lime Handling, Storage & Preparation (Slaking) package	01

SECTION NO.	PART NO.	DOCUMENT NO.	DESCRIPTION	REV.
4			PIPING	
4.1			Drawings	
	1	6695-LAY-G00-LD-0001	Overall Plot Plan	01
	2	6695-LAY-556-LD-0001	Conceptual part plan	01
4.2			Piping Specification	
	1	6695-PIP-G00-EC-0003	Piping Specification	03
	2	6695-PIP-G00-EC-0008	Technical Requirement for Valves	02
	3	6695-PIP-G00-EC-0007	Technical Requirement for Pipes, Fittings, Flanges, Gaskets & Fasteners	01
	4	6695-PIP-G00-EC-0010	Technical Requirement for Special Parts	02
	5	6695-PIP-G00-EC-0006	Technical Specifications For 3-D Model	00
4.3			General Engineering Specification	
	1	6695-PIP-G00-EC-0001	GES for Above ground steel piping	01
	2	6695-LAY-G00-EC-0001	GES for Plant Layout	01
	3	6695-PIP-G00-EC-0002	GES for Piping Flexibility Analysis	01
	4	6695-PIP-G00-EC-0004	GES for Material Handling Equipment	03
	5	6695-HES-G00-EC-0001	GES for Fire Fighting System (LSTK Packages)	02
4.4			Datasheets of Major Equipments	
	1	-	Datasheet for Belt Conveyor	00
	2	-	Datasheet for Electric Hoist	02
	3	-	Datasheet for Crusher	00
	4	-	Datasheet for Belt weigh feeder	00
	5	-	Datasheet for Slide gate valve	00
	6	-	Datasheet for Table Feeder	00
	7	-	Datasheet for Pipe Conveyor	00
5			CIVIL	
	1		General Documents	
	1.1	6695-CVC-G00-EC-0001	General Engineering Specification - Civil, Structural & Architectural	03
	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	----
		6695-CVC-G00-DD-0001_Part B	Geotechnological Investigation Report_October 2019_Volume 3	----
		6695-CVC-G00-DD-0001_Part B	Geotechnological Investigation Report_January 2019_2nd Phase	----
		6695-CVC-G00-DD-0001_Part B	Geotechnological Investigation Report_Volume 1_April 2018	----
		6695-CVC-G00-DD-0001_Part B	Geotechnological Investigation Report_Volume 2_April 2018	----
		6695-CVC-G00-DD-0001_Part B	Geotechnological Investigation Report_January 2019	----
	2.2	6695-CVC-G00-DD-0002_Part A	Preliminary contour and topography report_DFR stage	----
		6695-CVC-G00-DD-0002_Part B	Contour and Topographical Survey Report_April 2018	----

SECTION NO.	PART NO.	DOCUMENT NO.	DESCRIPTION	REV.
6			ELECTRICAL	
	1		General	
	1.1	6695-ELT-G00-EC-0002	General Engineering Specification - Electrical	04
	1.2	6695-ELT-G00-FA-0001	Overall Key SLD	05
	1.3	6695-ELT-G00-FA-0003	Typical Detail Single Line diagram	02
	1.4	6695-ELT-526-LH-7001	Substation arrangement layout - Substation US-501 (LSTK)	01
	1.5	6695-ELT-526-LH-0008	Substation arrangement layout - Substation US-556 (LSTK)	01
	1.6	6695-ELT-G00-FA-0002	Block Diagram for earthing & lightning protection concept	00
	1.7	6695-ELT-G00-EC-0003	Guidelines For Electrical Equipment Numbering System	02
	1.8	6695-ELT-G00-FS-0001	Typical I/O list for SCADA	01
	1.9	6695-ELT-G00-EB-0001	Standard Formats for Lists (Consumer, cable, feeder, LCS, Operation mode list)	00
	1.10	6695-ELT-G00-EC-0004	Design Guidelines For Electrical Facilities	02
	1.11	6695-ELT-G00-FA-0004	Typical SCADA Block diagram for unit substation level networking	02
	2		Technical Specifications of Electrical equipments	
	2.1	6695-ELT-G00-EC-0009	Technical Specifications - Low Voltage Switchgear Panels	02
	2.2	6695-ELT-G00-EC-0012	Technical Specifications - Low Voltage Induction Motors	00
	2.3	6695-ELT-G00-EC-0019	Technical Specifications - Low Voltage Cables	00
	2.4	6695-ELT-G00-EC-0020	Technical Specifications - Miscellaneous Low Voltage Switchgear	00
	2.5	6695-ELT-G00-EC-0021	Technical Specifications - Local Control Stations	00
	2.6	6695-ELT-G00-EC-0022	Technical Specifications - Industrial Light Fittings	00
	2.7	6695-ELT-G00-EC-0024	Technical Specifications - LV Variable Frequency Drive	01
	2.8	6695-ELT-G00-EC-0025	Technical Specifications - Goods cum Passenger Elevator/Lift	01
	2.9	6695-ELT-G00-EC-0026	Technical Specifications - EOT Crane	01
	2.10	6695-ELT-G00-EC-0027	Technical Specifications - Electrical Installation	00
	2.11	6695-ELT-G00-EC-0029	Technical Specifications - Electric hoist	01
	2.12	6695-ELT-G00-EC-0030	Technical Specifications - GI Cable Trays	01
	2.13	6695-ELT-G00-EC-0031	Technical Specifications - High mast for lighting	00
	2.14	6695-ELT-G00-EC-0033	Technical Specifications - Bulk Material	00
	2.15	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	03
VOLUME - 5				
REFERENCE DOCUMENTS				
Licensors BEP and Other Reference Documents				
	1	Z02-530-1-SP-001	TECHNICAL SPECIFICATION LIME SLAKER	A
	2	Z02-530-5-LI-001	EQUIPMENT LIST - LIME SLAKING	A
	3	-	State pollution control board order dated 21.04.17	-
	4	-	Ministry of Environment, Forest and climate change order dated 12.04.17	-
	5		EXISTING DRAWINGS - G.A. of Lime handling system	F
	6		Site Photos of Existing Area	-