

ANNEXURE-1- Deliverable list from ESC - DURING PRE-BID ENGINEERING STAGE OF PROJECT				
Sl no	Discipline	Description of Deliverable/Activity.	Docs Req'd for Costing	Remarks
1	Process	Utility flow diagram	Y	
2	Process	Material Selection diagram	Y	
3	Process	P&I Diagrams	Y	
4	Process	Utility/Chemical Requirements	Y	
5	Process	Instrument Control philosophy	Y	
6	Mechanical	Flare Load Summary	Y	
7	Mechanical	Utility Consumption at Plant Battery Limit	Y	
8	Mechanical	Electrical Load List of Electrical Equipment.	Y	
9	Mechanical	Civil Input of Mechanical Equipments.	Y	Dimension, Foundation details along with Loading on each foundation.
10	Mechanical	Erection Inputs for Mechanical Equipments.	Y	Dimension & Weight.
11	Mechanical-Layout	Plot Plan (Preliminary)	Y	
12	Mechanical-Layout	Hazardous area Classification Drawing	Y	
13	Mechanical-Layout	Equipment Layout with all the Equipment Required for Package	Y	
14	Mechanical Piping	Linewise BOQ for Pipes with Specification	Y	
15	C&I	Instrument Datasheet for Control Valves, Desuperheater, Safety Valves, Pneumatic on-off valve, trip valves, Silencers, Self Actuating Valves, PSV & Breather Valve, Rupture Disk etc.	Y	
16	Pumps	Mechanical Datasheet for Pumps (Centrifugal, Reciprocating etc)	Y	
17	Columns, Reactors	Mechanical Data Sheet (MDS) along with BOQ	Y	
18	Columns, Reactors	PROCESS DATASHEET SHEET(PDS) ALONG WITH BOQ	Y	
19	Columns, Vessels	Mechanical Data Sheet (MDS) along with BOQ	Y	
20	Columns, Vessels	PROCESS DATASHEET SHEET(PDS) ALONG WITH BOQ	Y	
21	Heat Exchangers	PROCESS DATASHEET SHEET(PDS) ALONG WITH BOQ	Y	
22	Heat Exchangers	Mechanical Data Sheet (MDS) along with BOQ	Y	
23	Tanks	Mechanical Data Sheet (MDS) along with BOQ	Y	
24	Air blower / Compressor	Mechanical Datasheet for Air blower/compressor (Centrifugal Air blower, Reciprocating compressor etc)	Y	