

ANNEXURE – II

1.0 General Information:

1.1 Name of the Company: Brahmaputra cracker & Polymer Limited (BCPL)

1.2 Pipeline Head Quarter: Administrative Building , Lepetkata

1.3 Nearest City: Dibrugarh

1.4 Nearest Seaport: Kolkata

1.5 Nearest Airport: Mohanbari , Dibrugarh

1.6 Name of Pipeline:

1.6A Duliajan – Lepetkata / Lepetkata – Duliajan Natural Gas pipeline :

i) Length of Pipeline : Duliajan-Lepetkata = 48.8 KM[Section: I]

Lepetkata-Duliajan = 48.8 KM[Section: II]

ii) Diameter of Pipeline : 457MM(18.0") OD

iii) Year of Commissioning : 2016

iv) Code for Design and Construction : ASMEB 31.8

v) Number of Sectionalisation Valve(SV) Station : 02

vi) Number of receiving terminal : 01 for Section: I & 01 for Section II

vii) Number of pigging section : 01 for Section: I & 01 for Section II

viii) Location of Pig launcher : Duliajan for section I & Lepetkata for Section II

ix) Location of Pig Receiver : Lepetkata for section I & Duliajan for Section II

1.7 B Lakwa – Lepetkata C2+Liquid Hydrocarbon Pipeline:

i) Length of Pipeline : Lakwa -Lepetkata = 48.6 KM[Section: III]

ii) Diameter of Pipeline : 114.3MM OD (100.00 MM NB)

iii) Year of Commissioning : 2017

iv) Code for Design and Construction : ASMEB 31.4

v) Number of Sectionalisation Valve(SV) Station : 04

vi) Number of receiving terminal : 01 at Lepetkata

vii) Number of pigging section : 01 at Lakwa

viii) Location of Pig launcher : Lakwa

ix) Location of Pig Receiver : Lepetkata

1.8 Communication System : Dedicated communication system supported by WLL Telephone Communication.

1.9 Control System : SCADA (Supervisory Control and Data Acquisition) Coverage for approximately every 50 KM length of pipeline.

2.0 Cased Crossing : (i) No of Road cased Crossing : 02 nos for 18"(SH) and 02 no's for 4" (NH)

(ii) No of Railway Crossing : 01 no for 18" and 02 no's for 4" pipeline.

2.1 River Crossing : (i) Submerged Crossing : 04 no's for 18" and 03 no's for 4" pipeline

(ii) HDD Crossing : nil for 18" and 03 for 4" pipeline.

2.2 Operating Parameters:

Sl. No	Section	OD (Inch)	Distance (KM)	Location	Flow rate	Pressure (Kg/cm ²)
01	Duliajan - Lepetkata	18	48.8	Class – I , II ,III	6.0 mmscum/day	75.0
02	Lepetkata - Duliajan	18	48.8	Class – I , II ,III	4.5 mmscum/day	48.0
03	Lakwa - Lepetkata	4	48.6	Class – I , II ,III	82.6 Ton/day	36.6

2.3 Pipeline Specification:

2.3.1 Pipeline Diameter : 457mm (18")OD & 114.3mm (4.0 ") OD

2.3.2 Minimum ID of Pipe : 440.2mm for 18" OD and 100.1mm for 4" OD

2.3.3 Pipe Wall Thickness : 6.4mm , 7.1mm & 8.5mm for 18" OD and 7.1mm for 4" pipeline.

2.3.4 Manufacturing Type : LSAW / HSAW / ERW

2.3.5 Minimum Bend Radius : 6D (D=Dia. of pipeline)

2.4 Pipeline Fittings &Facilities:

2.4.1 : Type of Valves : Pneumatic Operated Full Bore Ball Valve (AUDCO) for 18 inch Pipeline at Receipt /Dispatch including SV Stations and Motor Operated Full Bore Ball Valve (MICROFINISH) for 4 inch pipeline at Receipt / Dispatch including SV Stations.

2.4.2 Check Valve : Not Present

2.5 Pipeline Protection System :

2.5.1 : Physical Protection system : Cross country Section – 3 LPE factory coated Pipe
Coating Thickness – 2.0 mm

2.5.2 : Bridge , Crossing & Installation :

Continuous concrete coating is provided for river crossing by open cut method as anti-buoyancy measure. No bridges are there throughout the pipelines.

2.5.3 : HDD Sections : No HDD sections are there in 18 inch pipeline and three HDD sections are there in 4.0 inch pipelines. 3LPE factory coated pipes are used in HDD sections.

2.6 Supplementary protection system : Impressed current Cathodic Protection System
Transformer Rectifier: Installed in Launcher & Receiver for both the pipelines.

2.7 Position of Line Valves :

Installation	Chain age (KM)	Location	Valve Type	No. of Valves	MOV/POV
SV1 – 18 inch pipeline	15.5	Ghoramora	Full Bore Ball Valve	02	POV
Sv2 – 18inch Pipeline	32.2	Tengakhat	Full Bore Ball Valve	02	POV
SV1 – 4 inch pipeline	5.5	Jokai	Full Bore Ball Valve	01	MOV
SV2 – 4 inch pipeline	12.9	Rangalao Bazaar	Full Bore Ball Valve	01	MOV
SV3 – 4 inch pipeline	25.85	Tiloi	Full Bore Ball Valve	01	MOV
SV4-4 inch pipeline	37.325	Doomar Dolong	Full Bore Ball Valve	01	MOV

