




**EPC for Onshore Processing Facilities and Associated Onshore Pipelines for Aung Sinkha Development Project (ASK) Phase 1A**


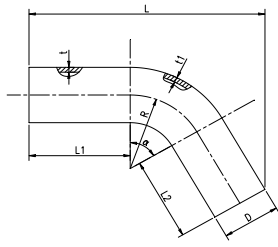
**DATASHEET FOR PIPELINE ELBOW APL03**

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A1	6-Jul-26	LF	ZXY	Issued for Review	LZL	LPP		
REV	DATE	MEC	PLR	DESCRIPTION	CHECK	APPR.	CHECK	APPR.
		BY			ENGINEERING APPROVAL	COMPANY APPROVAL		

REVISION CODE: A = Issued for Review – B = Issued for Approval – C = Approved for Construction

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	<b>PTTEP INTERNATIONAL LIMITED</b>		 
	EPC for Onshore Processing Facilities and Associated Onshore Pipelines for Aung Sinkha Development Project (ASK) Phase 1A		
	MM-ASK-1A-APL03-PLR-DTS-0008	REV A1	

		<b>DATA SHEET</b>			<b>EQUIPMENT TITLE: PIPELINE ELBOW APL03</b>						
<b>DOCUMENT NUMBER: MM-ASK-1A-APL03-PLR-DTS-0008</b>		<b>EQUIPMENT NO : N/A</b>			<b>REVISION: A1</b>						
<b>CLIENT : PTTEP INTERNATIONAL LIMITED</b>		<b>LOCATION : APL03</b>			<b>PAGE: 2 of 2</b>						
<b>PROJECT : EPC for Onshore Processing Facilities and Associated Onshore Pipelines for Aung Sinkha Development Project (ASK) Phase 1A</b>											
1	<b>General</b>						Rev.				
2	Description	Hot Induction Bend for Onshore Export Pipeline		Quantity	Note 10						
3	Nominal Size	12"									
4	 <p>1. D--Outer diameter; (mm);  2. t--Nominal wall thickness of the straight section; (mm);  3. t1--Minimum wall thickness of the bend section; (mm)  4. L1--Straight Length; (mm)  5. L--Total length; (mm)  6. <math>\alpha</math>--Bend angle; (°)  7. R--Bend radius; (mm)</p>										
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15	<b>Connecting Line Pipe Data</b>										
16	Connecting Line Pipe Material and Grade	API 5L PSL 2 X65		Connecting Line Pipe Reference Specification	10008-STD-6-PLR-005						
17	Connecting Line Pipe Dimension(outer diameter * wall thickness) mm	OD323.9*15.88									
18	<b>Design Parameters</b>										
19	Design code	ISO 15590-1,MSS SP-75,ASME B31.8 latest edition		Reference Specification	10008-STD-6-PLR-008						
20	Material and Grade	API 5L PSL 2 X65		Design Pressure, barg	153.2						
21	Transmission Medium	Treated Gas(0.0025%H <sub>2</sub> S,25.0333%CO <sub>2</sub> ,58.91%CH <sub>4</sub> )		Design Temperature, °C	-10/70						
22	Sour Service (Yes/ No)	N/A		Corrosion Allowance, mm	3						
23	Design Life, years	20		Installation Type	Underground						
24	Beveled ends	Butt Weld Ends (Note7)		Design Factor	0.5						
25	Hardness Test(Yes/ No)	Yes, as per code and specification		PWHT(Yes/ No)	As per code and specification						
26	Hydrostatic Pressure,barg	229.8		HIC Test and SSC Test	As per code and specification						
27	V-notch Impact Test	Yes, as per code and specification		Marking	As per code and specification						
28	<b>Structural Parameters</b>										
29		D(mm)	t(mm)	t1(mm)	R	$\alpha$ (°)	L1/L2(mm)	L(mm)	Single weight(kg)		
30		Φ323.9	19.05(VTA)	min.15.88	R=3D	Note 10	500	VTA	VTA		
31	<b>Note</b>										
32	1. Induction bends shall meet the requirements of 10008-STD-6-PLR-008 "Induction Bends for Carbon Steel Pipelines (Mild, Intermediate and Severe Sour Service)".										
33	2. Ends shall be protected with bevel end protectors.										
34	3. For induction bends, material certification EN10204 Type 3.2 shall be provided.Material traceability shall be in accordance with 10008-STD-6-GEN-007 "Material Traceability".										
35	4.Three rings as a minimum are required for each steel source, bend size and material grade. Test rings shall have a minimum length of 300 mm. Both ends of the rings shall have the same weld preparations as those required for the bends in the order.										
36	5.The VTA shall be filled in by the VENDOR.										
37	6. For bend, the external coating shall comply with MM-ASK-1A-APL01-COR-SPE-0001"Specification for Onshore Pipeline External Pipe Coating".										
38	7.The inner diameter of the bends end should be the same with the inner diameter of the Connecting Line Pipe.If higher thickness pipe used for induction bends, both ends shall be beveled as per 10008-STD-6-PLR-008 "Induction Bends for Carbon Steel Pipelines (Mild, Intermediate and Severe Sour Service)".										
39	8. The allowable deviation of the wall thickness for mother pipes shall be in accordance with 10008-STD-6-PLR-008 "Induction Bends for Carbon Steel Pipelines (Mild, Intermediate and Severe Sour Service)".										
40	9. Minimum wall thickness at any point of the bend shall not be less than the nominal thickness of the mating pipe.										
41	10. Bends Quantity and angle refer to MM-ASK-1A-APL03-PLR-MTO-0001"Pipeline Material Take-Off".										
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