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

# DATASHEET FOR HOT INDUCTION BEND

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| A1 | 2-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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| PTTEP | **PTTEP INTERNATIONAL LIMITED** | 中国电工 CNEEC CPECC |
| | EPC for Onshore Processing Facilities and Associated Onshore Pipelines for Aung Sinkha Development Project (ASK) Phase 1A | |
| | **MM-ASK-1A-APL02-PLR-DTS-0003** | **REV** A1 |

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| 中国电工 CNEEC / CPECC | DATA SHEET | EQUIPMENT TITLE: HOT INDUCTION BEND | |
| | | EQUIPMENT NO : N/A | |
| DOCUMENT NUMBER: MM-ASK-1A-APL02-PLR-DTS-0003 | | REVISION: A1 | PAGE: 2 of 2 |
| CLIENT : PTTEP INTERNATIONAL LIMITED | | LOCATION : APL02 | |
| PROJECT : EPC for Onshore Processing Facilities and Associated Onshore Pipelines for Aung Sinkha Development Project (ASK) Phase 1A | | | |

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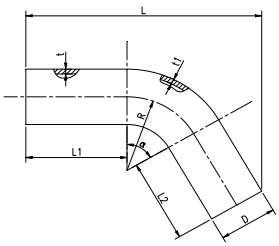
|---|---|---|---|---|---|---|---|---|---|
| 1 | **General** | | | | | | | | Rev. |
| 2 | Description | Hot Induction Bends for Onshore Condensate Export Pipeline | | | Quantity | | Note 10 | | |
| 3 | Nominal Size | 8" | | | | | | | |
| 4 |  | | | | **1. D--Outer diameter; (mm);**<br>**2. t--Nominal wall thickness of the straight section; (mm);**<br>**3. t1--Minimum wall thickness of the bend section; (mm)**<br>**4. L1-Straight Length; (mm)**<br>**5. L-Total length; (mm)**<br>**6. α--Bend angle; (°)**<br>**7.R--Bend radius; (mm)** | | | |
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| 15 | **Connecting Line Pipe Data** | | | | | | | | |
| 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 | OD219.1×7.04 | | | | | | | |
| 18 | **Design Parameters** | | | | | | | | |
| 19 | Design code | ISO 15590-1,MSS SP-75,ASME B31.4 latest edition | | | Reference Specification | | 10008-STD-6-PLR-008 | | |
| 20 | Material and Grade | API 5L PSL 2 X65 | | | Design Pressure, barg | | 48.7 | | |
| 21 | Transmission Medium | Condensate(0.0009%$H_2S$,1.26%$CO_2$,0.25%$CH_4$) | | | Design Temperature, °C | | 0/70 | | |
| 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 | | 0.72 | | |
| 25 | Hardness Test(Yes/ No) | Yes, as per code and specification | | | PWHT(Yes/ No) | | As per code and specification | | |
| 26 | Hydrostatict Pressure,barg | 60.88 | | | 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 | **Structural Parameters** | | | | | | | | |
| 29 | | D(mm) | t(mm) | t1(mm) | R | α(°) | L1/L2(mm) | L(mm) | Single weight(kg) |
| 30 | | Φ219.1 | 7.92(VTC) | min. 7.04 | R=5D | Note 10 | 500 | VTA | VTA |
| 31 | Note | | | | | | | | |
| 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-APL01-PLR-MTO-0001"Pipeline Material Take-Off". | | | | | | | | |
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