

DATE	QUESTION	ANSWER
28.03.2019	1.3 General MGB Requirements - Design is not part of our scope of supply. Calculations acc to EN 1594 are attached to our offer. Furthermore legislation, codes, standards and regulations of Czech Republic are not known to us and thus not be considered. EN standards listed under 2.1.2 will be considered	The Contracting entity accepts this information.
28.03.2019	4.2.1 DWT-test - As fracture arrest properties are not applicable to bends, DWT-test requirements to be waived.	The Contracting entity accepts this information.
28.03.2019	4.2.1 Impact test - Testing requirements of 77J min average/ 58J min single value at -20°C test temperature are confirmed for the base material of the bends, for weld metal and HAZ values acc to Sec. 5.3.1 of this spec are considered (51J min average/ 38J min single).	The Contracting entity takes notice of this information.
28.03.2019	5.1.1 Inspection - Grit blasting prior to visual inspection and NDT will only be carried out if applicable. Bare surface without dirt or scale does generally not require grit blasting prior to inspection. In case this requirement becomes mandatory, this will result in significant time and cost impact.	The Contracting entity takes notice of this information.
28.03.2019	5.3 Mechanical tests - We confirm all listed tests for the bend body acc to this section instead of EN 14870-1, Table 2 and 3.	The Contracting entity takes notice of this information.
28.03.2019	5.3.2 X-Ray on bend ends - Instead of X-Ray on last 200 mm of each bend end we have considered 100% MUT of the entire SAWL weld including the ends. The procedure is in line with EN 14870-1 Sec.10.5.3. Furthermore the entire seam weld of the mother pipes can be X-Ray tested.	X-Ray is required.

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28.03.2019	5.3.3 - Acceptance - Notification time for inspection points to be discussed in case of order and should preferably be 18.02.19 less than 14 days.	The Contracting entity does not accept this suggestion.
28.03.2019	6.1 Corrosion Protection - Minimum roughness limitation for blasted surface to be deleted. Tolerance on cut-back to be at least +1- 10 mm.	The Contracting entity accepts both deviations
28.03.2019	6.1 End Protection - Steel ring bevel protectors have been considered.	The Contracting entity takes notice of this information.
28.03.2019	6.2 Marking - Marking of bends is confirmed acc to this section. CE-Mark as listed in N4G Inspection and Test Plan Operation No. 3.2 is not applicable, as superseded by 3.2 certificate.	The Contracting entity will confirm this information during the negotiations phase.
28.03.2019	Appendix 1 Document submission - Penalty on delayed documents to be negotiated under T&C and not as part of the technical specification.	The Contracting entity takes notice of this information.
28.03.2019	9.1 Mother pipe - Mother pipes will be fabricated with the focus to fulfil the needs for induction bend fabrication. Nevertheless, mother pipe production will be based on ISO 3183 Ed. 2012, as far as applicable for pre-material for bending. Please note that, no separate MPS and Qualification Test (e.g.) MPQ-testing or first day production test) is foreseen for the mother pipes. Fracture arrest properties and DVVT testing are not considered for mother pipes, as these properties are n.a. for bends. For chemical composition Table M.1 including footnote f) has been considered for the mother pipes.	Absence of DWTT is accepted. Table M.1 is accepted. Contracting entity states, that impact test according to the Technical specifications will be required.
28.03.2019	9.2 & 10.1 MPQT Bend /MPS Approval - Qualification Test bending will be carried out at start of production, together with production bends, but not in advance to production. This procedure will be followed at manufacturers risk. Consequently MPS (Document) to be agreed and approved prior to Qualification & Production.	The Contracting entity states, that the responsibility is that of bend producer.

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28.03.2019	Table 1 Essential variables - Essential variables acc. to Table 1 will be respected. Details belonging to know-how of induction bends will not be submitted or included in the MPS. All data will be available in the mill for review.	The Contracting entity takes notice of this information. There is a possibility of checking the documents directly in plant, confirmed by MGB.
28.03.2019	10.4.5.1 location for surface hardness - Hardness will be checked on following locations for each bend: Bent Arc: neutral axis top, intrados, extrados. Tangent Ends: once per tangent. For HSE reasons location "neutral axis bottom" will not be checked on the production bends to limit the handling risk by turning each bend by crane.	The Contracting entity takes notice of this information.
28.03.2019	10.5.5 UT of bend body - As per our understanding, UT of bend body is not required for the bends in question. Pre material will be UT-tested, anyway.	The Contracting entity states, that UT is required on welds as stated in point 5.2 of the technical specification.