

To: All Tender Participants

Dear Sir / Madam,

Re: Public Tender No. PD24001732 (the "Tender") – Clarification #1

The Company has received certain requests for clarification regarding the Tender, in accordance with Section 5.1 thereof, provided below (the "Questions"). Next to each Question is the Company's answer, which shall be considered by the Company as authoritative.

		<u>Question</u>	<u>Answer</u>
1	Technical	<p>– FITTINGS •</p> <p>Secondary grease fitting for upstream& downstream seats - NPT -</p> <p>Body drain valve – Ball NPT -</p> <p>Body vent valve – Ball NPT -</p> <p>Stem packing - NPT -</p> <p>Cameron WKM 370D6 Ball valves are offered with below body threaded ,connections</p> <p>Combined Drain & Vent: Pipe extension and a BSS valve, Metallurgy per Body</p> <p>NPT (valve size 4"), 3/4" NPT (valve size 6" and 1" NPT (valve size "1/2 ("10</p> <p>Seat Injection: C/W Giant Button head</p> <p>NPT (6" valve size) and 1/2" NPT (4" & 10" valve size) "3/8</p> <p>Stem Injection: C/W Giant Button head</p> <p>NPT (4" valve size) and 1/2" NPT (6" & 10" valve size) "3/8</p> <p>Customer to confirm compliance.</p>	Confirmed
2	Technical	<p>OPERATION – acc to bill of quantity</p> <p>Option 1 -</p> <p>- Valves shall be equipped with gear box & "ROTORK" electric actuator latest model, series IQ 3, FM explosion proof IP - 68, included WD100000/2000 for connection to "PAKSCAN" including board, including cable glands, suitable for valve operation under max differential pressure with 25% over sizing of torque, opening/closure time of valve 60 sec min., 90 sec max. ,400V, 50Hz. Valve shall be supplied with gear & rotork installed and calibrated at the valve manufacturer factory .</p> <p>Option 2 –</p> <p>Valve shall be hand operated + gear box</p> <p>Opening/closure time of valve –</p> <p>For valve size 4"-8" - 60 sec min, 90 sec max</p> <p>For valve size 10"-24" - 90 sec min, 120 sec max</p>	Please give us a quotation of standard gearbox without ROTORK actuator



		<p>[Inq] Actuator team to review and confirm the requirements.</p> <p>[C] Customer to confirm whether the valve to be operated with gear box and ROTORK electric actuator IQ3 type (IQ3 with manual override); or the standard 370D6 gear is acceptable.</p> <p>In lack of specific requirement, WKM 370 D6 Ball Valves (Trunnion mounted) are offered by considering the following:</p> <p>Valve Design per API 6D</p> <p>Pressure Temperature rating as per ASME B16.34 (Standard Class)</p> <p>Face to Face dimension as per API 6D (ASME B16.10 long pattern)</p> <p>Minimum Bore Dimension as per API 6D.</p> <p>Flanges as per ASME B16.5</p> <p>Body wall thickness as per ASME B16.34</p> <p>Bolting calculation as per ASME B16.34</p> <p>Valve Orientation is Horizontal Pipe with Vertical stem</p> <p>Valve installation is above ground</p> <p>No Pressure equalization hole in the ball</p> <p>Double Block and Bleed (open/closed position)</p> <p>Seat design is self Relieving (SR) type and Pressure Relieved Internally automatically.</p> <p>Top Mountings per ISO 5211.</p> <p>Position indicator, Travel stops, locking provisions are available.</p> <p>Marking per API 6D (MSS SP-25)</p> <p>Documentation per API 6D.</p> <p>Draining, Protection, and Preparation for Transport per API 6D.</p> <p>Packing and Preservation requirements per API 6D. • TRIM –</p> <ul style="list-style-type: none"> - Suitable for service conditions (to be advice by manufacturer) - Ball/seats– 3 MIL ENP <p>Since there is no data on the requested materials, Cameron WKM 370D6 ball valves are offered with below materials,</p> <p>Body: ASTM A216 WCC</p> <p>Bonnet: ASTM A216 WCC</p> <p>Ball: 316 SS/UNS S31600</p> <p>Stem: 316 SS/UNS S31600</p> <p>Lower Trunnion: 316 SS/UNS S31600</p> <p>Seat: 316 SS/UNS S31600</p> <p>Spring: Alloy X-750</p> <p>Boltings: ASTM A320 Gr L7M / ASTM A194 Gr 7ML with Zinc Platings</p> <p>Main seal: Nylon</p> <p>Other seals: Eriks 514532 O-rings</p> <p>Customer to confirm compliance.</p>	
3	General	We are asking for 1 week extension to the bid date for this tender	Confirmed Submission –



			Deadline: January 22, 2025 (22/1/2025)
4	Technical	<p>- Please note that the valves are required with Monogram API 6D and in acc. to API6D Annex J QSL-2 In API 6D 25th edition (latest edition) Annex is entitled as follows:</p> <p>Requirements for Extended Hydrostatic Shell Test Duration and Records Retention for Valves in Jurisdictional Pipeline Systems</p> <p>and does not provide requirement regarding documentation, which is given instead in Annex I. Annex J is a reference from API 6D 24th Edition.</p> <p>So we have 2 alternative options: API 6D 25th, documentation as per Annex I, with monogram, or API 6D 24th, documentation as per Annex J, without monogram (since not in acc. to latest edition).</p>	We accept API-6D 24th Edition.
5	General	we kindly ask you to check that our lead time would not be a reason for exclusion from the bid, otherwise it would not make sense for us to proceed with the quotation	Lead time stay as it is in the tender documents

Thank you for your continued interest in the Tender; we look forward to receiving your bids.

Sincerely,



Eran Rheinisch

Procurement and Engagements Department

