

| <u>Clarification Type</u> | <u>Ref:</u> | <u>System / Equipment</u> | <u>Description / Concerns</u> | <u>OGDCL REPLY</u> |
|----------------------------------|---|--|--|---|
| Technical | TOR D-4973 PQ Group A - G | Casing Head Housing, Casing Spool & Wear bushing | Spec states, 'with hold down screws for wear bushing'. Bidder proposes wear bushing with O-ring as a retention feature, which is a field proven design. This eliminates the use of hold down screws on housings and spools, to hold down the wear bushing and thus minimize potential leak paths. Please confirm acceptance. | Not acceptable, Please quote as per SOR. |
| Technical | TOR D-4973 PQ Group A & B Section A 1.3 | 18-5/8" Casing | Please advise the connection thread type as well as the connection properties (pipe body yield, collapse pressure, internal yield pressure) for 18-5/8" 139 lb/ft P110 casing. Note: Bidder cannot find data in API 5C2 or any other sources. | For Casing Hanger design purpose, Casing grade 110 KSI yield strength, weight 139 lbs / ft and estimated run length has already been provided in SOR, Please quote accordingly. |
| Technical | TOR D-4973 PQ Group A - G | API Flange connection Stud length | Bidder proposes its own standard offering of stud lengths for all connections, which is field proven and are calculated based on the criteria listed in API 6A Please confirm acceptance. | Bidder are advised to provide length as per API 6A, however different stud length is acceptable as long as it did not compromise any operational activity. |
| Technical | TOR D-4973 PQ Group A - G | 2-1/16 API 10K Flange connection Studs & Nuts | Spec states, 'Stud 7/8" x 6-1/2", Nut 7/8". Please confirm that this is a typo mistake as the stud and nut size for 2-1/16" API 10K flange connection should be 3/4" instead of 7/8". Please confirm acceptance. | It is a typo, Please quote as per API 10K flange requirement. |
| Technical | TOR D-4973 PQ Group A - G | Combination BOP test plug | Spec states, 'with provision of tong neck for casing head housing (or) casing spool'. Please advise if provision of tong neck on one end of the Combination BOP test plug, by the use of a pup joint is acceptable. | Provision of tong neck on one end of combination BOP test Plug with use of Pup joint is acceptable, provided that pup joint length should not be less than 03 feet. |
| Technical | TOR D-4973 PQ Group A - G | Material Class | Spec states, 'EE-0.5' for Gate valves and Top level Casing spools. Bidder propose to provide EE-1.5 gate valves which is Bidder' standard offering, which exceeds the requirement of EE-0.5 as indicated in the specs. Please confirm acceptance. | EE-1.5 material grade is acceptable. |