

26th March, 2018.

REF: GDC/DMP/005/17-18/pk

TO: ALL BIDDERS

Dear Sirs,

ADDENDUM 1: CLARIFICATION AND EXTENSION OF CLOSING DATE

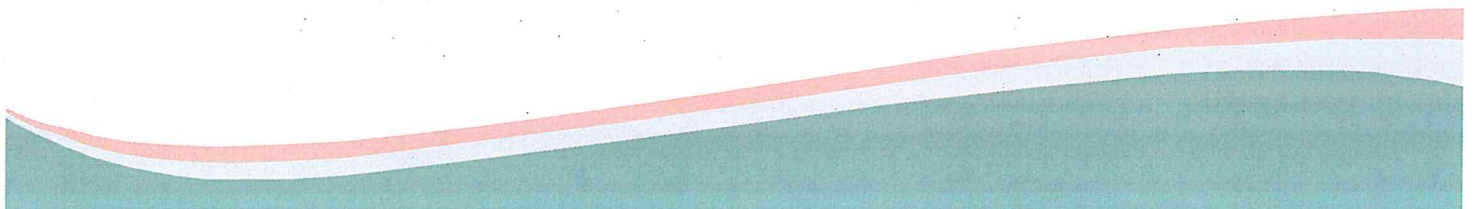
RE: TENDER FOR SUPPLY OF WELL TESTING EQUIPMENT FOR MENENGAI GEOTHERMAL PROJECT - GDC/GRM/OT/041/17-18.

In response to bidder's request for clarification, GDC wishes to provide the following clarification;

| S.N | SUBJECT | BIDDER'S QUESTION | GDC'S RESPONSE |
|--------|---|---|---|
| 1 | Items pipes & Elbows To read as follows Elbows 10" schedule 40,45° Elbows 8" schedule 40,45 | Please provide the material quality and manufacturing standards of Elbows | Material Quality : Low carbon steel Manufacturing standard: API 5L Gr. B SCH 40 |
| 2 | Items Flanges To read as follows 10" Class 300 blind flanges 10" Class 300 bored flanges 8" Class 300 blind flanges 8" Class 300 bored flanges 4" Class 600 Blind Flanges | Please provide the form of seal face, manufacturing standard and material quality of Flanges. | Form of seal face: Raised face (RF) Manufacturing standard: ASTM A 105/A266 Gr. 2 Material Quality: High temperature carbon steel |
| 3 | Items Flanges To read as follows 21/26" Class 600 blind flanges | Please confirm that the product size is 21 "or 26". | Product size is 2 and 1/16 inches |
| 4,5 &6 | Items Valves To read as follows WKM POW-R-SEAL gate valves Manufactured to API 6D standards Pressure rating API Class 300 End connections raised face flanges Type of valve: metal to metal sealing. Parallel Expanding gate. Sustained | Please provide the material quality of the Valve body and the material quality of its inner parts | WKM POW-R-SEAL gate valves or equivalent BODY : ASTM A216 GR. WCC RC22 BONNET : ASTM A 105 OR JIS G3 106 SM 490A RC22 SEATS: JIS G4051 S25C RC 22 W/HF-6 GATE & SEGMENT: ASTM A487 GR. 4 CLASS D RC22 W/HF-6 &MDC STEM: JIS G4303 SUS 630 RC33 W/MDC |



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|---|--|---|--|
| | <p>working temperature of 550°F or more .Stem packing system: Outside compressible packing gland Mode of operation: direct hand wheel Special documentation: Factory test certificate</p> | <p>Diameter of valves</p> | <p>SEAT SKIRT: JIS G3101 SS400 BONNET GASKET: NON ASBESTOS & STAINLESS STEEL (SPIRAL WOUND) PACKING SET: FIBER GLASS FILLED TEFLON STUD: ASTM A193 GR. B7M NUT: ASTM A194 GR. 2HM</p> <p>PACKING FITTING: JIS G4303 SUS316 GREASE FITTING: JIS G4303 SUS316 N/B HF-6 : COBALT BASE ALLOY (STELLITE NO.6) OVERLAY MDC: MOLYBDENUM DISULFIDE COATING</p> <p>8'' Class 300 Valves – 6Pcs 10'' Class 300 Valves- 5Pcs</p> <p>N/B – Ignore the 4Pcs</p> |
| 7 | <p>Items Bolts, Studs & Nuts To read as follows 3/4 " × 4 1/2" High Tensile UNC Bolts complete with nut size 29mm course threaded 5/8 " × 4" High Tensile UNC Bolts complete with nut size 26mm course threaded 3/4 " × 5" High Tensile UNC Studs complete with 2 nuts size 29mm 1 1/4" X 10" high Tensile UNC Studs with 2 nut size 50 mm fully threaded.</p> | <p>Please provide the bolt material quality, the manufacturing standard as well as the anticorrosion standard</p> | <p>Material Quality : Carbon steel Manufacturing Standard: ASTM A 194 2H Anti-corrosion standard : NACE MR0175 Latest Edition</p> |
| 8 | <p>Items Pressure Gauges Readout in Psi Dial Diameter 4", Readout in Psi. Connection 3/8". SS casing</p> | <p>Please provide the degree of accuracy, form (radial or axial), and connection mode (thread or flange) of the pressure gauge.</p> | <p>ACCURACY: (EN 837- 1/6) Class 1.6 Form: Radial Connection mode: Thread 3/8" BSP bottom connection</p> |



Extension of Tender Closing Date

GDC extends the tender closing date from Friday, 30th March 2018 to **Friday 6th April 2018**
at 2:00PM.

NB: All other requirements/instructions remain unchanged.

Your's Faithfully



PATRICK KAPTO
DEPUTY MANAGER, PROCUREMENT
FOR: GEOTHERMAL DEVELOPMENT COMPANY

