

**OIL & GAS DEVELOPMENT COMPANY LIMITED**  
**PROCUREMENT DEPARTMENT, ISLAMABAD**  
**FOREIGN SECTION B**

(To be completed, filled in, signed  
and stamped by the principal)

**ANNEXURE 'A'**

**Material** Pressure Control Valves  
**Tender Enquiry No** PROC-FB/CB/P&P/4808/2020  
**Due Date**  
**Evaluation Criteria** FULL

**SCHEDULE OF REQUIREMENT**

| Sr No | Description   | Unit   | Quantity | Unit Price<br>(FOB) | Total Price<br>(FOB) | Unit Price<br>C & F BY SEA | Total Price<br>C & F BY SEA | Deviated From<br>Tender Spec. If Any |
|-------|---|--------|----------|---------------------|----------------------|----------------------------|-----------------------------|--------------------------------------|
| 1     | Pressure control Valve (Regulator type) Tag No 830-PCV-04 FOR DETAIL<br>SEE ATTACHMENT. | Number | 1        |                     |                      |                            |                             |                                      |
| 2     | Pressure control Valve (Regulator type) Tag No 830-PCV-05 FOR DETAIL<br>SEE ATTACHMENT. | Number | 1        |                     |                      |                            |                             |                                      |

**Note:** i. Bid Bond of PKR 100,000/- or equivalent in US Dollar must be submitted with the Technical Bid with Validity Period of 150 Days beyond Opening Date.  
ii. Evaluation Criteria is Full Consignment Wise.  
iii. Bidding Procedure is Single Stage Two Envelope" Master Set of Tender Document is available on OGDCL' s Website.  
iv. Delivery Period is 120 Days from establishment of LC.

TERM AND CONDITION

1-ALL ITEMS SHOULD BE IN ORIGINAL OEM PACKING.

2-STANDARD WARRANTY / GURANTTEE FOR ALL ITEMS.

3-DELIVERY PERIOD 120 DAYS AFTER THE ISSUANCE OF L/C.

4-MTC,PRESSURE TESTING ALONG WITH STANDARD TEST / QUALITY CONTROL DOCCUMENTS / CERTIFICATES MUST BE PROVIDED WITH THE MATERIAL.

5-MATERIAL SHALL BE NACE COMPLIANT (NACE MR 0175)

6-OEM AUTHORITY LTTER MUST BE ATTACHED WITH THE BID.

7-MANUFACTURER MUST HAVE EXPERIENCE OF MORE THAN 20 YEARS OF MANUFACTURING OF SUCH TYPE OF VALVES.

8-OEM TECHNICAL LITERATURE.

# PRESSURE SELF REGULATING VALVE

|                |  |
|----------------|--|
| DATA SHEET NO. |  |
| SHEET NO.      |  |
| DATE           |  |
| REV.           |  |
| PREPARED BY    |  |
| CHECKED BY     |  |
| APPROVED BY    |  |

OWNER: OIL & GAS DEVELOPMENT COMPANY LIMITED  
 PROJECT: DAKHNI GAS PLANT INSTRUMENT UPGRADATION

|                            |                                      |                                     |                             |                        |                                     |                                       |
|----------------------------|--------------------------------------|-------------------------------------|-----------------------------|------------------------|-------------------------------------|---------------------------------------|
| GENERAL                    | 1                                    | Tag Number                          |                             |                        | 830-PCV-04                          | 830-PCV-05                            |
|                            | 2                                    | Service                             |                             |                        | Blanket Gas (Nitrogen) To 830-FB-01 | Blanket Gas (Nitrogen) From 830-FB-01 |
|                            | 3                                    | Line No.                            |                             |                        | 820-N-201-2"-A1                     | 820-N-202-2"-A1                       |
|                            | 4                                    | Piping Class                        |                             |                        | A1                                  | A1                                    |
|                            | 5                                    | P&ID No.                            |                             |                        | 2310-PB-2075 (SH. 2 of 2)           | 2310-PB-2075 (SH. 2 of 2)             |
| PROCESS SERVICE CONDITIONS | 6                                    | Fluid                               |                             |                        | Nitrogen                            | Nitrogen                              |
|                            | 7                                    | State                               |                             |                        | Gas                                 | Gas                                   |
|                            | 8                                    | Maximum Conditions                  | Flow Rate (Q)               | (Nm <sup>3</sup> /hr)  | 41.633                              | 44.7                                  |
|                            | 9                                    |                                     | Inlet Pressure (P1)         | (kg/cm <sup>2</sup> G) | 4.92                                | 0.0182                                |
|                            | 10                                   |                                     | Pressure Drop (dP)          | (kg/cm <sup>2</sup> )  | 4.90                                | 0.0182                                |
|                            | 11                                   |                                     | Temperature (T)             | (°C)                   | 27                                  | 27                                    |
|                            | 12                                   | Operating Conditions                | Flow Rate (Q)               | (Nm <sup>3</sup> /hr)  | -                                   | -                                     |
|                            | 13                                   |                                     | Inlet Pressure (P1)         | (kg/cm <sup>2</sup> G) | -                                   | -                                     |
|                            | 14                                   |                                     | Pressure Drop (dP)          | (kg/cm <sup>2</sup> )  | -                                   | -                                     |
|                            | 15                                   |                                     | Temperature (T)             | (°C)                   | -                                   | -                                     |
|                            | 16                                   | Minimum Conditions                  | Flow Rate (Q)               | (Nm <sup>3</sup> /hr)  | -                                   | -                                     |
|                            | 17                                   |                                     | Inlet Pressure (P1)         | (kg/cm <sup>2</sup> G) | -                                   | -                                     |
|                            | 18                                   |                                     | Pressure Drop (dP)          | (kg/cm <sup>2</sup> )  | -                                   | -                                     |
|                            | 19                                   |                                     | Temperature (T)             | (°C)                   | -                                   | -                                     |
|                            | 20                                   | Vapor Pressure (Pv)                 |                             | (kg/cm <sup>2</sup> a) | -                                   | -                                     |
|                            | 21                                   | Critical Pressure (Pc)              |                             | (kg/cm <sup>2</sup> a) | -                                   | -                                     |
|                            | 22                                   | Critical Temperature (Tc)           |                             | (°C)                   | -                                   | -                                     |
|                            | 23                                   | Specific Gravity at Std. Conditions |                             | Liquid                 | -                                   | -                                     |
|                            | 24                                   |                                     |                             | Gas                    | 0.97                                | 0.97                                  |
|                            | 25                                   |                                     |                             | Mix                    | -                                   | -                                     |
| 26                         | Specific Gravity at Oper. Conditions |                                     | Liquid                      | -                      | -                                   |                                       |
| 27                         |                                      |                                     | Gas                         | -                      | -                                   |                                       |
| 28                         |                                      |                                     | Mix                         | -                      | -                                   |                                       |
| 29                         | Gas Compressibility Factor           |                                     | -                           | 0.9986                 | 0.9986                              |                                       |
| 30                         | Flow Type                            |                                     | (Choked/Flashing)           | -                      | -                                   |                                       |
| 31                         | Viscosity                            |                                     | (cP)                        | 0.0196                 | 0.0196                              |                                       |
| 32                         | Vapour (%Wt) / Liquid (%Wt)          |                                     |                             | 100%   0%              | 100%   0%                           |                                       |
| 33                         | Specific Heat Ratio (k)              |                                     |                             | 1.407                  | 1.407                               |                                       |
| 34                         | Calculated Cv                        |                                     | (Max / Min)                 | VTA   VTA              | VTA   VTA                           |                                       |
| VALVE BODY                 | 35                                   | Valve type                          |                             |                        | Globe Valve                         | Globe Valve                           |
|                            | 36                                   | Body Size / Rating                  |                             |                        | 1" / 150# / *VTA                    | 1" / 150# / *VTA                      |
|                            | 37                                   | Body Material                       | Note - 2                    |                        | A216 WCB/A-105N (Note-7)            | A216 WCB/A-105N (Note-7)              |
|                            | 38                                   | Flange Rating / Flange Face Finish  | Note - 1                    |                        | 150# / RF                           | 150# / RF                             |
|                            | 39                                   | Seat Type / Material                |                             |                        | Soft Seat / R-PTFE Filled           | Soft Seat / R-PTFE Filled             |
|                            | 40                                   | Shut-off Class / Leakage            |                             |                        | Class-IV                            | Class-IV                              |
|                            | 41                                   | Fail Action                         |                             |                        | Fail Close                          | Fail Close                            |
| ACTUATOR                   | 42                                   | Actuator Type                       |                             |                        | Spring Diaphragm                    | Spring Diaphragm                      |
|                            | 43                                   | Pilot                               |                             |                        | *VTA                                | *VTA                                  |
|                            | 44                                   | Set Point                           | inch H <sub>2</sub> O guage |                        | 6.92 (VTC)                          | 7.2 (VTC)                             |
|                            | 45                                   | Filter Regulator / Gauge            |                             |                        | Yes                                 | Yes                                   |
| 46                         | Tag Plate                            |                                     |                             | Yes - SS               | Yes - SS                            |                                       |

- 47 NOTES:
- 1- Flange construction shall be in accordance with ASME B16 5.
  - 2- Vendor to select body material suitable to the process fluid condition .
  - 3- Pilot, filter regulator, and all accessories shall be supplied assembled on valve body
  - 4- N/A - Not Applicable
  - 5- Pressure Regulator shall be provided with external sensing Tap.
  - 6- \*VTA - Vendor to Advise ; VTC - Vendor To Confirm
  - 7- Material shall be NACE compliant (NACE MR 0175).