



# DURGA VALVES PVT LTD

Howrah – 711104

## DI Non Rising Stem Sluice Valve

|    |                 |                                               |
|----|-----------------|-----------------------------------------------|
| 1. | Make            | "DURGA / DVPL"                                |
| 2. | Type of Valve   | Non Rising Stem SLUICE VALVE                  |
| 3. | Design Standard | Similar to IS:14846/2000 (PD-Series)          |
| 4. | Rating of Valve | PN-1.6 for 700mm & PN-2.0 for 800/600/300/200 |
| 5. | Size            | As per BOQ                                    |
| 6. | Quantity        | As per BOQ                                    |
| 7. | Operation       | Manual                                        |

### Material of Construction

|     |                                              |                                            |                       |
|-----|----------------------------------------------|--------------------------------------------|-----------------------|
| 8.  | Body, Bonnet, Wedge, Gland & Hand Wheel etc. | Ductile iron GGG 50                        |                       |
| 9.  | Body Seat Ring & Wedge Facing Ring           | L.T.Bronze to IS:318, Gr.2.                |                       |
| 10. | Stem                                         | S.S. to IS:6603, Gr.12Cr13.                |                       |
| 11. | Wedge Nut                                    | L.T.Bronze to IS:318, Gr.2.                |                       |
| 12. | Bolts                                        | Carbon Steel to IS:1367, Cl-4.6            |                       |
| 13. | Nuts                                         | Carbon Steel to IS:1367, Cl-4              |                       |
| 14. | Bonnet Gasket                                | Rubber to IS:638, Type – B                 |                       |
| 15. | Gland Packing                                | Jute & Hemp to IS:5414                     |                       |
| 16. | Gear Box                                     | Mfg. Standard.( For 350 mm & above)        |                       |
| 17. | <b>Test Pressure</b>                         | <b>PN-1.6</b>                              | <b>PN-2.0</b>         |
| 18. | Body Test                                    | 24 Kg/Cm <sup>2</sup>                      | 30 Kg/Cm <sup>2</sup> |
| 19. | Seat Test                                    | 16 Kg/Cm <sup>2</sup>                      | 20 Kg/Cm <sup>2</sup> |
| 20. | End Connection                               | Flange drill to IS:1538/93, Table – 4 & 6. |                       |

### **NOTES :**

PAINTING: One coat of red oxide primer & two coats of synthetic enamel

MARKING: 'DURGA/DVPL'/ Size/ PN- Rating Heat No. & Sr. No.

OPERATION: Manual

### **Scope Of Inspection :**

a) Dimensional & Visual

c) Hydro test pressure for body & seat to be checked by client

d) Internal test report of materials (Physical & Chemical) to be reviewed by client

|         |          |              |        |                      |       |
|---------|----------|--------------|--------|----------------------|-------|
|         |          |              | DESIGN | APPD                 | DATE: |
| 0       | 05/12/13 | For Approval | PREP   | DATA SHEET NO.       |       |
| REV. NO | DATE     | DESCRIPTION  | CHKD   | DVPL/SLUICE VALVE/01 | REV 0 |