

CORRIGENDUM-I

GEM BID NO: GEM/2022/B/2567067 dt. 22.09.2022 towards procurement of valves for BCPL, Lakaw.

The following corrigendum may be noted:

THE REQUIRED VMS SHEET CORRESPONDING TO VALVE SHEET NOS 51307, 53407, 51501 ARE AS ATTACHED HEREWITH.

All other terms and conditions shall remain the same.

| Client : BCPL | | Dept./Sect. : 16/43 | |
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| Project : C2 RECOVERY AND GSU | | | |
| Location : LAKWA | | Tag No: 51501 | Sheet No. 1 of 1 |
| GATE VALVE SPECIFICATION | | | MANUF'S OFFER |
| TAG NO. : 51501 | | PIPING CLASS : DIA. D6A | |
| RATING : 600 | | STANDARD : API-600 | |
| SIZE RANGE : 2.0" TO 24.0" | | ENDS : FLGD TO B-16.5 RF/125AARH | |
| DESCRIPTION | CONSTRUCTION | MATERIAL | CONSTRUCTION |
| BODY | CAST | ASTM A 216 GR WCB | |
| BONNET | BOLTED | ASTM A 216 GR WCB | |
| STEM | RISING | 13% CR STEEL (NO CASTING) | |
| WEDGE DISC | FLEXIBLE/SOLID | STELLITED | |
| BODY SEAT RING | RENEWABLE/NON-RENEWABLE | STELLITED | |
| STEM PACKING | RENEWABLE WITH VALVE OPEN ON STREAM | GRAPHITED ASBESTOS WITH SACRIFICIAL CORR. INHIB. & INCONEL WIRE REINFORCEMENT. | |
| HAND WHEEL | NON RISING | MALLEABLE IRON/CAST ST/FAB.ST/DUCT. IRON | |
| BONNET BOLTS | | ASTM A193 GR B7 | |
| BONNET NUTS | | ASTM A194 GR 2H | |
| BONNET GASKET | | SP WND SS316-CA FILLER | |
| REQUIREMENT OF GEAR OPERATOR | | REFER TECHNICAL NOTES FOR PURCHASE OF VALVES | |
| REQUIREMENT OF RADIOGRAPHY | | REFER TECHNICAL NOTES FOR PURCHASE OF VALVES | |
| SPECIAL SERVICE CONDITIONS | | MAX TEMP 427 DEG C | |
| BACK SEAT & SHOULDER | | 13% CR STEEL | |
| OTHERS | O S & Y | | |
| | | | |
| HYDROSTATIC TEST PRESSURE | BODY : 2225 PSIG | SEAT : 1650 PSIG | |
| TEST PRESSURE WITH AIR | 80 PSIG | | |

NOTES

- 1 THIS VALVE SPEC SHEET SHALL BE READ IN CONJUNCTION WITH TECHNICAL NOTES FOR VALVES
- 2 BIDDER SHALL CLEARLY WRITE ALL/ ANY DEVIATION AGAINST EACH PART/ MATERIAL OF VALVE IN THE SPACE PROVIDED FOR. WHEREVER BIDDER AGREES WITH EIL'S SPEC BIDDER SHALL INDICATE "AGREED".
- 3 NO CUTTING/ OVERWRITING BY BIDDER ON EIL'S SPEC IS ALLOWED.
- 4 TESTING SHALL BE AS PER API 598.
- 5 100% VALVE CASTINGS SHALL UNDERGO RADIOGRAPHIC EXAMINATION.



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| SHEET REV. NO. | 2 | 3 | 4 |
| DATE | 02/01/1995 | 14/12/2000 | 28/05/2001 |

51501

| Client : BCPL | | | Dept./Sect. : 16/43 | |
|---|----------------------------|--|--|----------|
| Project : BPC-ASSAM | | | | |
| Location : ASSAM | | Tag No: 53407 | Sheet No. 1 of 1 | |
| CHECK VALVE SPECIFICATION | | | MANUF'S OFFER | |
| TAG NO. : 53407 PIPING CLASS : B7A, RATING : 300 STANDARD : BS 1868 SIZE RANGE : 2.0" TO 24.0" ENDS : FLGD TO B-16.5 RF/125AARH | | | STANDARD: MFGRS CAT/FIG: RATING: ENDS: | |
| DESCRIPTION | CONSTRUCTION | MATERIAL | CONSTRUCTION | MATERIAL |
| BODY | CAST | ASTM A 216 GR WCB | | |
| COVER | BOLTED | ASTM A 216 GR WCB | | |
| DISC | | FACED WITH 13% CR STEEL/13% CR STEEL | | |
| BODY SEAT RING | RENEWABLE/NON RENEWABLE | 13% CR STEEL FACING/13% CR STEEL | | |
| HINGE PIN | | 13% CR STEEL(NO CASTING) | | |
| DISC HINGE | | 13% CR STEEL/A216 GR WCB/A515 GR 70 | | |
| COVER STUD BOLT | | ASTM A193 GR B7 | | |
| COVER NUT | | ASTM A194 GR 2H | | |
| COVER GASKET | | SP WND SS316-GRAFOIL FILLER | | |
| BY PASSES | | | | |
| TYPE | SWING CHECK TYPE | | | |
| REQUIREMENT OF RADIOGRAPHY | | REFER TECHNICAL NOTES FOR PURCHASE OF VALVES | | |
| OTHERS | | | | |
| SPECIAL SERVICE CONDITIONS | | VACUUM, MAX TEMP 427 DEG C | | |
| WASHER,NUT,PIN | | 13% CR STEEL(NO CASTING)/SS410/SS304 | | |
| HYDROSTATIC TEST PRESSURE | BODY : 1125 PSIG | SEAT : 825 PSIG | | |
| TEST PRESSURE WITH AIR | | | | |

NOTES

- THIS VALVE SPEC SHEET SHALL BE READ IN CONJUNCTION WITH TECHNICAL NOTES FOR VALVES
- ONLY IN THE CASE OF CATEGORY - II MRs, BIDDER SHALL CLEARLY WRITE ALL/ ANY DEVIATION AGAINST EACH PART/ MATERIAL OF VALVE IN THE SPACE PROVIDED FOR AND WHEREVER BIDDER AGREES WITH EIL'S SPEC BIDDER SHALL INDICATE "AGREED"
- NO CUTTING/ OVERWRITING BY BIDDER ON EIL'S SPEC IS ALLOWED.
- TESTING SHALL BE AS PER BS 6755 (PART-1).
- ONE VALVE PER SIZE SHALL BE HELIUM VACUUM TESTED AS PER ASME V, SUBSECTION-A, ARTICLE 10 (HOOD METHOD) APPENDIX IX TO CHECK SUITABILITY FOR VACUUM SERVICE
- VENDOR SHALL CERTIFY SUITABILITY OF VALVES FOR 10MM OF HgA VACUUM SERVICE AT INTENDED TEMPERATURE.
- 10% VALVE CASTINGS UPTO 16" AND 100% VALVE CASTINGS 18" AND ABOVE SHALL UNDERGO RADIOGRAPHIC EXAMINATION.



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| SHEET REV. NO. | |
| DATE | |

53407

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| Client : Engineers India Ltd. | Dept./Sect. : 16/43 |
| Project : Std. Specification | |
| Location : New Delhi | Tag No: 51307 Sheet No. 1 of 1 |

| GATE VALVE SPECIFICATION | | | MANUF'S OFFER | |
|-----------------------------------|---|--|-----------------------|--------------|
| TAG NO. : 51307 | PIPING CLASS : A7A | | STANDARD: | |
| RATING : 150 | STANDARD : API 600/ ISO 10434 | | MFGRS CAT/FIG: | |
| SIZE RANGE : 2.0" TO 42.0" | ENDS : FLGD TO B-16.5 RF/125AARH | | RATING: | ENDS: |
| DESCRIPTION | CONSTRUCTION | MATERIAL | CONSTRUCTION | MATERIAL |
| BODY | CAST | ASTM A 216 GR WCB | | |
| BONNET | BOLTED | ASTM A 216 GR WCB | | |
| STEM | RISING | 13% CR STEEL (NO CASTING) | | |
| WEDGE DISC | SOLID/FLEXIBLE | 13% CR STEEL FACING/13% CR STEEL | | |
| BODY SEAT RING | RENEWABLE/NON RENEWABLE | 13% CR STEEL FACING/13% CR STEEL | | |
| STEM PACKING | RENEWABLE WITH VALVE OPEN ON STREAM | CORROSION INHIBITED DIE FORMED FLEXIBLE GRAPHITE WITH BRAIDED ANTI EXTRUSION RINGS | | |
| HAND WHEEL | NON RISING | MALLEABLE IRON/CAST ST/FAB.ST/DUCT. IRON | | |
| BONNET BOLTS | | ASTM A193 GR B7 | | |
| BONNET NUTS | | ASTM A194 GR 2H | | |
| BONNET GASKET | | SP WND SS316-GRAFOIL FILLER/CORRUGATED SS316 | | |
| REQUIREMENT OF GEAR OPERATOR | | REFER TECHNICAL NOTES FOR PURCHASE OF VALVES. | | |
| REQUIREMENT OF RADIOGRAPHY | | REFER TECHNICAL NOTES FOR PURCHASE OF VALVES. | | |
| SPECIAL SERVICE CONDITIONS | | VACUUM: MAX TEMP 371 DEG C. | | |
| BACK SEAT & SHOULDER | | 13% CR STEEL | | |
| OTHERS | Ø S & Y | | | |
| HYDROSTATIC TEST PRESSURE | BODY : 450 PSIG | SEAT : 325 PSIG | | |
| TEST PRESSURE WITH AIR | 80 PSIG | | | |

NOTES

- THIS VALVE SPEC SHEET SHALL BE READ IN CONJUNCTION WITH TECHNICAL NOTES FOR VALVES.
- BIDDER SHALL CLEARLY WRITE ALL/ ANY DEVIATION AGAINST EACH PART/ MATERIAL OF VALVE IN THE SPACE PROVIDED FOR. WHEREVER BIDDER AGREES WITH EIL'S SPEC BIDDER SHALL INDICATE "AGREED".
- NO CUTTING/ OVERWRITING BY BIDDER ON EIL'S SPEC IS ALLOWED.
- ONE VALVE PER SIZE SHALL BE HELIUM VACUUM TESTED AS PER ASME V, SUBSECTION-A, ARTICLE 10 (HOOD METHOD) APPENDIX IX TO CHECK SUITABILITY FOR VACUUM SERVICE.
- 5% VALVE CASTINGS UPTO 24" AND 100% VALVE CASTINGS 26" AND ABOVE SHALL UNDERGO RADIOGRAPHIC EXAMINATION.
- VENDOR SHALL CERTIFY SUITABILITY OF VALVES FOR 10MM OF Hg VACUUM SERVICE AT INTENDED TEMPERATURE.
- GATE VALVES OF SIZE 26" AND ABOVE SHALL BE IN ACCORDANCE WITH ANSI B-16.34 WITH TESTING AS PER API-598 AND FLANGE ENDS SHALL BE IN ACCORDANCE WITH ASME B16.47 SERIES B.
- FOR VALVE SIZE UPTO 24", VALVES AS PER API-600 AND TESTING AS PER API-598 ARE ALSO ACCEPTABLE.
- GATE VALVES OF SIZE 26" & ABOVE AS PER BS-1414 ARE ALSO ACCEPTABLE WITH TESTING AS PER BS 6755 (PART-I) AND FLANGE ENDS SHALL BE IN ACCORDANCE WITH ASME B16.47 SERIES B.



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| SHEET REV. NO. | 3 | 4 | 5 | 6 | 7 |
| DATE | 14/12/2000 | 28/05/2001 | 06/08/2002 | 01/12/2004 | 30/06/2009 |

51307