

**LEGEND:**  
 TBE = THREADED BOTH ENDS  
 TOE = THREADED ONE END  
 FBE = FLANGED BOTH ENDS  
 FOE = FLANGED ONE END

**PIPING:**

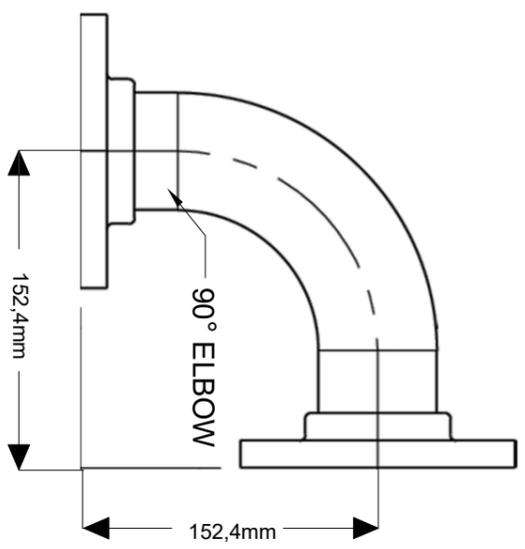
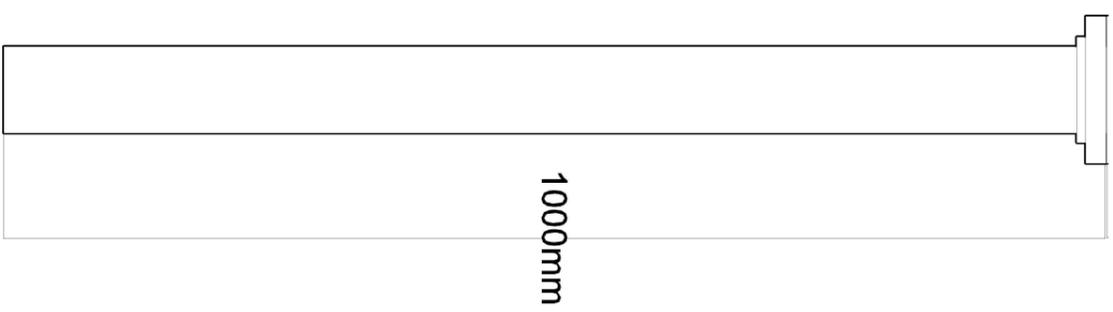
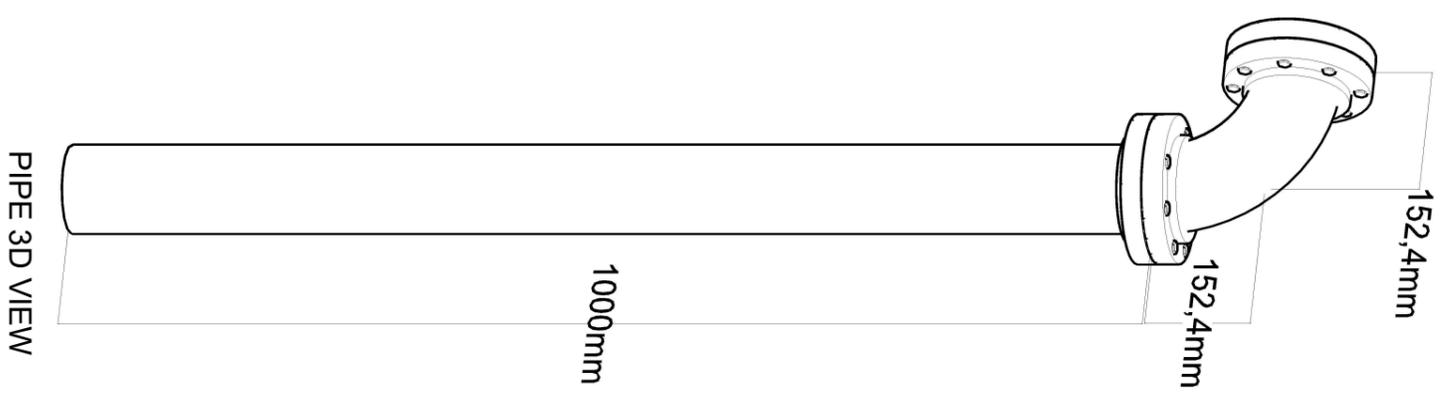
1. PIPING TO BE SANS 62 HEAVY UP TO & INCLUDING 150NB & SANS 719 GRADE B 6 THK WALL FOR 200NB AND ABOVE.
2. ALL ITEMS TO BE CLEARLY HARD MARKED ON PIPE APPROX. 300mm FROM FIXED FLANGE WITH ITEM NUMBER & DRAWING NUMBER. RUBBER HOSES TO BE SECURELY TAGGED WITH ITEM NUMBER & DRAWING NUMBER.
3. ALL FLANGES TO BE TO S.A.N.S. 1123-T1000- DIMENSIONS TO NP3-FLAT FACE
4. ALL FLANGES TO BE FITTED WITH HOLES OFF CENTER (i.e.2 HOLES TOP)
5. ALL FLANGES TO BE FLAT FACED SLIP-ON TYPE
6. ALL GASKETS TO BE FULL FACE 3.0MM THICK. EPDM INSERTION RUBBER GASKETS OR SIMILAR APPROVED.
7. ALL STEEL BENDS TO HAVE R=3XDIA. ALL RUBBER HOSES TO HAVE R=10XDIA.
8. BUTT WELDED PIPE FITTINGS TO COMPLY WITH ASTM A234 GRADE WPB. SIZES TO ANSI B169
9. SCREWED PIPES & FITTINGS: (40 NB AND SMALLER)  
 a) SCREWED TO B.S. 21  
 b) WROUGHT STEEL FITTINGS TO B.S. 1740  
 c) MALLEABLE CAST IRON PIPE FITTINGS TO SANS 509
10. ALL CLOSERS TO BE SUPPLIED 100mm LONGER THAN DRAWING DIMENSION (I.E. AS PER MATERIAL LIST DIMENSION) & WITH LOOSE FLANGE TO ALLOW FOR SITE ADJUSTMENT
11. LOOSE FLANGES ARE MARKED THUS\*
12. FABRICATOR TO SUPPLY ALL NUTS, BOLTS & WASHERS, SUITABLY BAGGED, INCL. 5% SPARES) LABELLED & DISPATCHED TO SITE TOGETHER WITH PIPING. FASTENERS TO BE ELECTROPLATED EXCEPT FOR THOSE REQUIRED FOR OUT OF PLANT PIPING WHICH ARE TO BE HOT DIP GALVANISED.
13. ALL FLUSHING POINTS TO BE FITTED WITH 25NB NIPPLE, 25NB BALL VALVE (C1) AND 25NB QUICK RELEASE COUPLING.
14. FOR CORROSION PROTECTION INFORMATION SEE MEDUPI POWER STATION CORROSION PROTECTION SPECIFICATION (DOC No.SSZ\_45-17)-REF. CP5100 "HOT DIP GALVANIZING".

**NOTE:**

ALL PIPE DIMENSIONS ARE TO BE CHECKED & CONFIRMED ON SITE PRIOR TO ORDERING.

**NOTE:**

WORKSHOP FABRICATION DRAWINGS TO BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO COMMENCING FABRICATION



100NB X STRAIGHT PIPE DETAIL

100NB X 90° ELBOW DETAIL

100NB STRAIGHT PIPE & 90° LONG RADIUS BEND, FLANGED

NO.	REV.	DATE	DESCRIPTION	BY	CHKD BY	APPR BY	REFERENCE DRAWINGS
00		2024/10/08	ISSUED FOR CONSTRUCTION (SERVA-VANEDI JV)	N ZIBANE	F MGBL	F MGBL	
			** REVISION **				

APPROVED BY: \_\_\_\_\_  
 INITIAL AND SURNAME: \_\_\_\_\_  
 F MGBL  
 PR ENG/PR TECH ENG No.: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 SIGNATURE: \_\_\_\_\_

CHECKED BY: F MGBL 2024/05/07  
 CREATED BY: N ZIBANE 2024/05/07  
 SCALE: 1:5

**YANEDI**  
 PARTNER  
**eskom**  
 ESCOM HOLDINGS SOC LTD  
 REG No. 2002/095827/30

CONTRACTOR DRAWING No. SSV-ESK-P31E-DRW-PRC-0105  
 ESCOM DRAWING No. 0.84/70975

SHIT 1 OF 1  
 REV 00

MEDUPI POWER STATION

PRIMARY CLARIFIER 1  
 TH7 SPOOL PIECE  
 PIPING MODEL