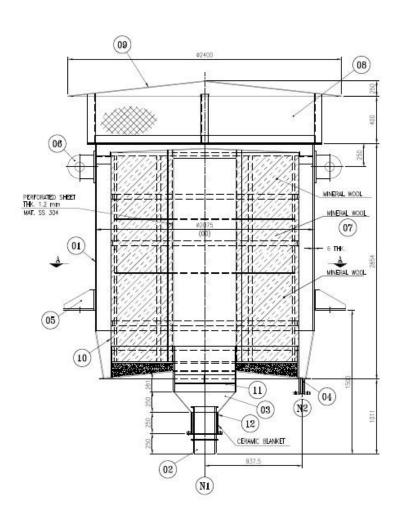


### **Technip Energies India Limited: Engineering and Supply of Vent Silencer**



**Client**: Technip Energies India Limited

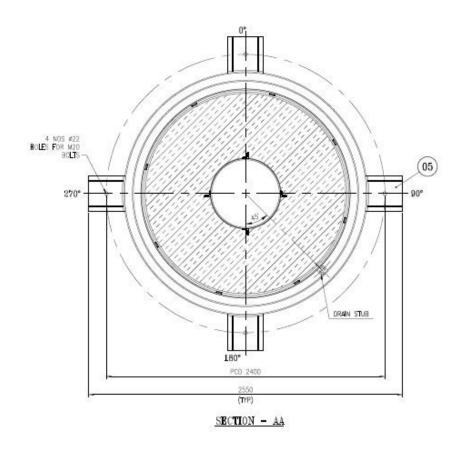
Project : Engineering and Supply of Silencer (3 No's) for 2000 MTPD IFFCO Sulphuric Acid Plant III

Scope : Design and Supply of Silencers

- Basic design and detail engineering of silencers based on IFFCO specifications.
- 2) Fabrication and supply of silencer.

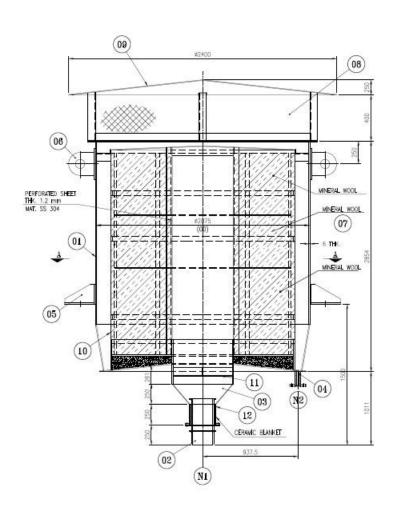


#### **DESIGN**



MATERIAL O	F CONSTRUCTION
DESCRIPTION	MATERIAL
* SHELL	: SA 516 GR. 70
PAD FOR OUTER SLEEVE	: IS 2062 E250 GR.BR
* DIFFUSER PIPE	: SA 387 GR 11 CL2
+ DRAIN PIPE	: SA 106 GR.B
* SUPPORT	: IS 2062 E250 GR.BR
* CONE	: SA 387 GR 11 CL2
* STUD FOR SLIDING ARRANGEMENT	: IS 1363
* NUTS FOR SLIDING ARRANGEMENT	: IS 1363
* RAIN HOOD	: IS 2062 E250 GR.BR
* BIRD SCREEN	: GI
* PERFORATED SHEET	: SS 304
* SETTING BOLT	: IS 1363
INLET DIFFUSER (N1):	-
1. CODE OF CONSTRUCTION	: ASME SEC VIII DIV. 1 EDMON 2021
2. DESIGN PRESSURE [INTERNAL]	: 70 kg/cm^2 (g)
3. DESIGN TEMPERATURE (MIN./MAX.)	: 500° C
4. CORROSION ALLOWANCE	: 3 mm
5. RADIOGRAPHY (RT)	: FULL
6. JOINT-EFFICIENCY	: 100%
7. PWHT-EFFICIENCY	: NO
SILENCER WEIGHT DET	AILS:
1. EMPTY WEIGHT	: 2800 Kgs.
2. LIFTING WEIGHT	: 3360 Kgs.
3. OPERATING WEIGHT	: 3425 Kgs.





P.No	DESCRIPTION	MATERIAL	DETAIL	QTY
01	SILENCER OUTER SHELL	SA 516 GR, 70	Ø2075	1
02	INLET PIPE	SA 335 GR, P11	10" x 80 SCH	1
03	INLET CONE	SA387 GR,12 CL2	8 MM THK	1
04	DRAIN PIPE	SA 106 GR.B	1" x 80 SCH	1
05	SILENCER SUPPORT	IS 2062 E250 GR,BR	-	4
06	LIFTING LUG	IS 2062 E250 GR.BR	22	4
07	INFILL	MINERAL WOOL	DENSITY 120 Kg/m3	1
08	BIRD SCREEN	Gl	WIRE MESH	1
09	RAIN HOOD	IS 2062 E250 GR,BR	(#)	1
10	SILENCER INTERNALS	SS 304	PERFORATED SHEET	1
11	ORIFICE PLATE	SA 387 GR 12 CL2	10 MM THK	1
12	OUTER PIPE	SA 387 GR 11 CL2	PLATE 6 MM THK	1



#### **MANUFACTURING AND SUPPLY**





