CONCENTRIC REDUCER
NON RETURN VALVE

STAINER

GLOBE VALVE

PRESSURE REDUCING VALVE
CONTROLL VALVE

STEAM TRAP

RAP ASSEMBLY

PRESSURE GUAGE

EXISTING STEAM LINE
LINE TO BE REMOVED
NON IBR STEAM LINE

TO BE SHIFTED TO NEW LOCATION

## PROPOSED STEAM LINE LA YOUT FOR M/S NEW CENTURY ENTERPRISES, ALLAPPRA, PERUMBAVOOR



NOTES

1. ALL DIMENSIONS ARE IN MM. & ELEVATIONS IN METRES.
2. MATERIAL USED SHALL BE I.B.R APPROVED AS PER FORM III & FORM III C
3. STEAM TRAP ASSEMBLY SHALL BE SITE FABRICATED AND
OUTLET PIPING SHALL BE CONNECTED BACK TO CONDENSATE RECOVERY LINE.
4. PIPES SHALL BE LAID AT THE SLOPE OF 1:300 TOWARDS THE
DIRECTION OF FLOW.
5. EXPANSION LOOP SHALL BE PROVIDED WITH THERMODYAMIC TYPE TRAP
ASSEMBLY AT EVERY 30 METER OF STRAIGHT RUN OF STEAM LINE.
6. ALL PIPES STATIONS SHALL BE SITE FABRICATED AS PER DRAWING
7. ALL PIPES SHALL BE PAINTED WITH ONE COAT OF HEAT RESISTANT
ALUMINIUM PAINT PRIOR TO INSULATION.
8. MAXIMUM WORKING PRESSURE OF STEAM LINE IS 10.5 Kg/cm² AND
ALL PIPES LINES SHALL BE TESTED AT 22Kg/cm².
9. ALL PIPES SHALL BE INSULATED WITH 144 Kg/m³ DENSITY PREFORMED PIPE
SECTIONS OF MINERAL WOOL OF THICKNESS 50mm & FINISHED WITH
24 SWG. AL. CLADDING. BILL OF MATERIALS

SEAMLESS PIPE SCH 40 IBR

SEAMLESS ELBOW IBR 90°

SEAMLESS ELBOW IBR 90°

CLASS 150 FLANGE IBR

CLASS 150 FLANGE IBR

CLASS 150 FLANGE IBR

CLASS 150 GLOBE VALVE IBR F/E

CLASS 150 GLOBE VALVE IBR F/E

CLASS 150 GLOBE VALVE IBR F/E FORGED STEEL GLOBE VALVE IBR S/E
SAFETY VALVE IBR
CONCENTRIC REDUCER
TEHRMODYNAMIC STEAM TRAP ASSEMBLY
PRESSUREGUAGE WITH SYPHON TOTAL LENGTH OF PIPE SIZE

200 NB

100 NB

50 NB

25 NB

100 NB

50 NB

25 NB

200 NB

100 NB

50 NB

25 NB 103.10 MTRS QUANTITY

02.50 MTRS

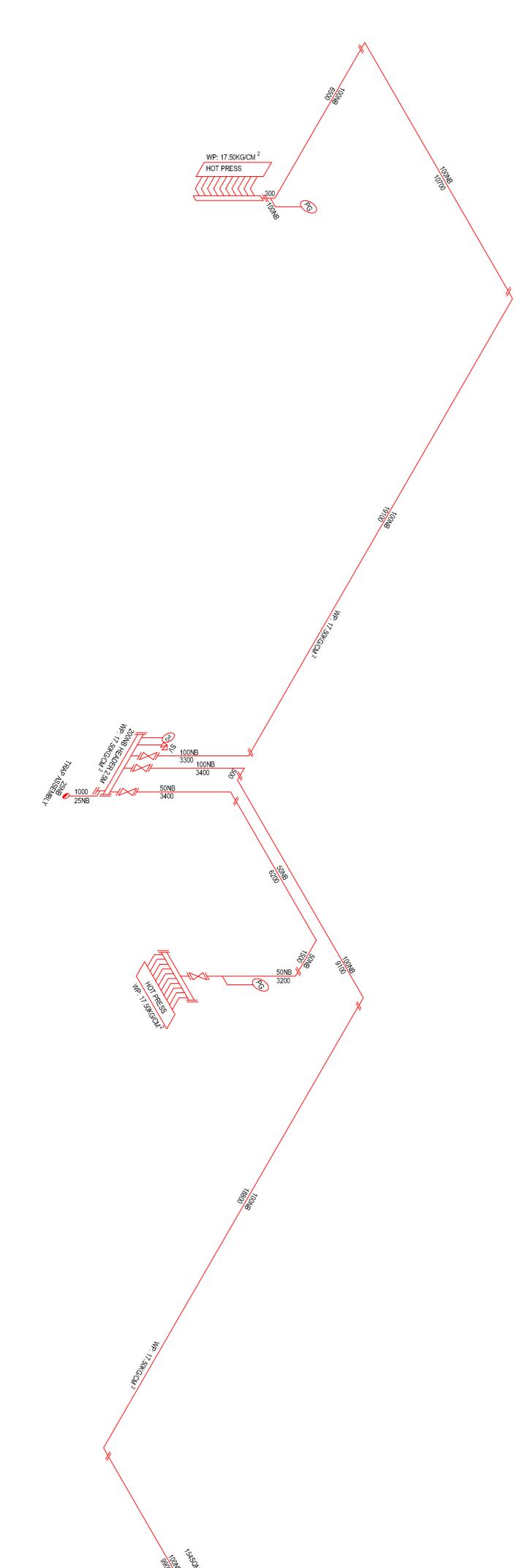
85.30MTRS

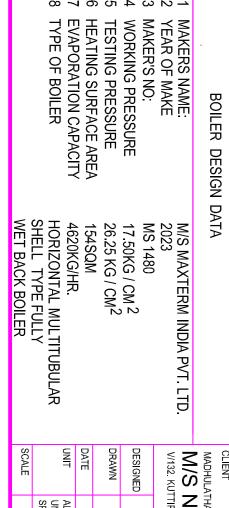
14.30 MTRS

01.00 MTRS

02 NOS

01 NOS





L OF FLANGE H TABLE FIG: 33 OF IBR

BUTT WELDING DETAIL FIG: 23(IX)(a)OF IBR

M TRAP DETAILS

THE OUTER SURFACE OF THE WELD MUST WHOLLY OUTSIDE POSITION INDICATED BY DOTTED LINE

THE CLEARANCE BETWEEN FLANGE 1.D AND PIPE O.D NOT TO EXCEED 48 (REF. 357 b BOLER CODE)

PIPE BRANCH WELDING DETAILS AS PER FIG: 26 (E) OF IBR

MADHULATHA P. SARAF

M/S NEW CENTURY ENTERPRISES

V/432 K I ITTIPADAM ROAD. VENGOLA, ALLAPPRA, PERUMBAVOOR, ERNAKULAM, KEF 02/11/2023. CHAJURY ENDING

Proprietor

	V/132 NO	HEADAM ROAD, VENGOCA, ACC	VISA, ROTTEAUAW ROAD, VENSOLA, ALEATERA, FEROMBAYCOR, ERNYROLAW, RENALA 360 300
	DESIGNED	SHAJI	PROPOSED ISOMETRIC STEAM LINE LAYOUT
	DRAWN	MOIDU KHAN MOB: 98952 234 18	PROJECT BOILER ERECTION AND STEAM LINE
	DATE	02-11-2023	ERECTOR
Ò	UNIT	ALL DIMENSIONS ARE IN MM	M/S ROYALTECH BOILERS, UC COLLEGE, ALUVA
5		SPECIFIED	REG NO : KL/IBR/RE/0009/2021
	SCALE	NTS	DATE OF VALIDIT : 00-03-2022 TO 07-03-2024