



BILL OF MATERIAL			
S.NO.	DESCRIPTION	SIZE	MATERIAL
1	GATE VALVE	1/2"	SS-316L
2	ADAPTER (M/F)	1/2"	SS-316L
3	NEEDLE VALVE	1/2"	SS-316L
4	PRESSURE GAUGE	1/2"	SS-316L
5	CYLINDER 300 cc	BY VENDOR	SS-316L
6	CHECK VALVE	1/2"	SS-316L
7	FLEXIBLE HOSE	1/2"	SS-316L
8	COUPLER SET M/F	1/2"	SS-316L
9	NEEDLE VALVE	1/2" or 1/4"	SS-316L
10	GLOBE VALVE	1/2"	SS-316L
11	BALL VALVE	1/2"	SS-316L

NOTES :-

- ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED.
- DESIGN AND ENGINEERING OF THE CLOSED SAMPLING SYSTEMS SHALL BE STRICTLY CONFORMS TO ATTACHED DATA SHEETS, DRAWING, SPECIFICATION, PIPING MATERIAL SPECIFICATION (PMS) AND OTHERS
- SIZE, DETAIL, RATINGS, SCHEDULE & OTHER SERVICE REQUIREMENTS ETC INDICATED IN THE DATA SHEET AND TENDER ARE MINIMUM REQUIREMENT, VENDOR TO OPT FOR HIGHER VALUES ARE NOT ACCEPTABLE. HOWEVER VENDOR TO DESIGN OTHER DETAILS DURING DETAIL ENGINEERING AND SUBMIT FOR APPROVAL
- MOC OF ENCLOSURE BOX: SS304. & MOC OF STAND ARRANGEMENT AND BOLTS : CS/MS
- MOC OF ALL PRESSURE PARTS INSIDE ENCLOSURE : SS-316L
- END CONNECTION SHALL BE AS PER DATA SHEET (ANNEXURE-1), DESIGN AND DIMENSION STD ETC SHALL BE AS PER DATA SHEET (ANNEXURE-1)
- ALL SAMPLING SYSTEMS END CONNECTIONS SHALL BE TERMINATED WITH 3/4" FLANGE, TYPE , RATING & END STD ETC SHALL BE AS PER DATA SHEET (ANNEXURE-1).
- PRESSURE ETC SHALL BE SUITABLE FOR READING DESIGN PRESSURE INDICATED IN THE DATA SHEET (ANNEXURE-1)
- VENDOR TO DESIGN THE ENCLOSURE WITH OPTIMUM DIMENSIONS TO THE POSSIBLE EXTENT WITH ALL ACCESSORIES AND AUXILIARIES AS INDICATED IN THE DRAWING. VENDOR TO PROVIDE GATE VALVE HAND WHEELS AS OPERATABLE.
- * - MENTIONED DIMENSIONS ARE TENDER PURPOSE ONLY.
- SUPPORTING STAND SHALL BE 3 mm THK. POWDER COATED.

ISSUED FOR TENDER PURPOSE

0	02.03.23	ISSUED FOR PROCUREMENT	AA	PSV	VCS SD	SS
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Rev.	DATE	DESCRIPTION	DRN	ENGR	APPROVED
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 CPCL	CHENNAI PETROLEUM CORPORATION LTD (A group company of IndianOil) चेन्नै पेट्रोलियम कॉर्पोरेशन लिमिटेड
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**GENERAL ARRANGEMENT DRAWING FOR
CLOSED LOOP SAMPLING SYSTEMS**

SCALE	SHEET NO.	JOB NO.	DRAWING NO.	REV.
-	1 OF 1	20/2023	00-D-31634	0