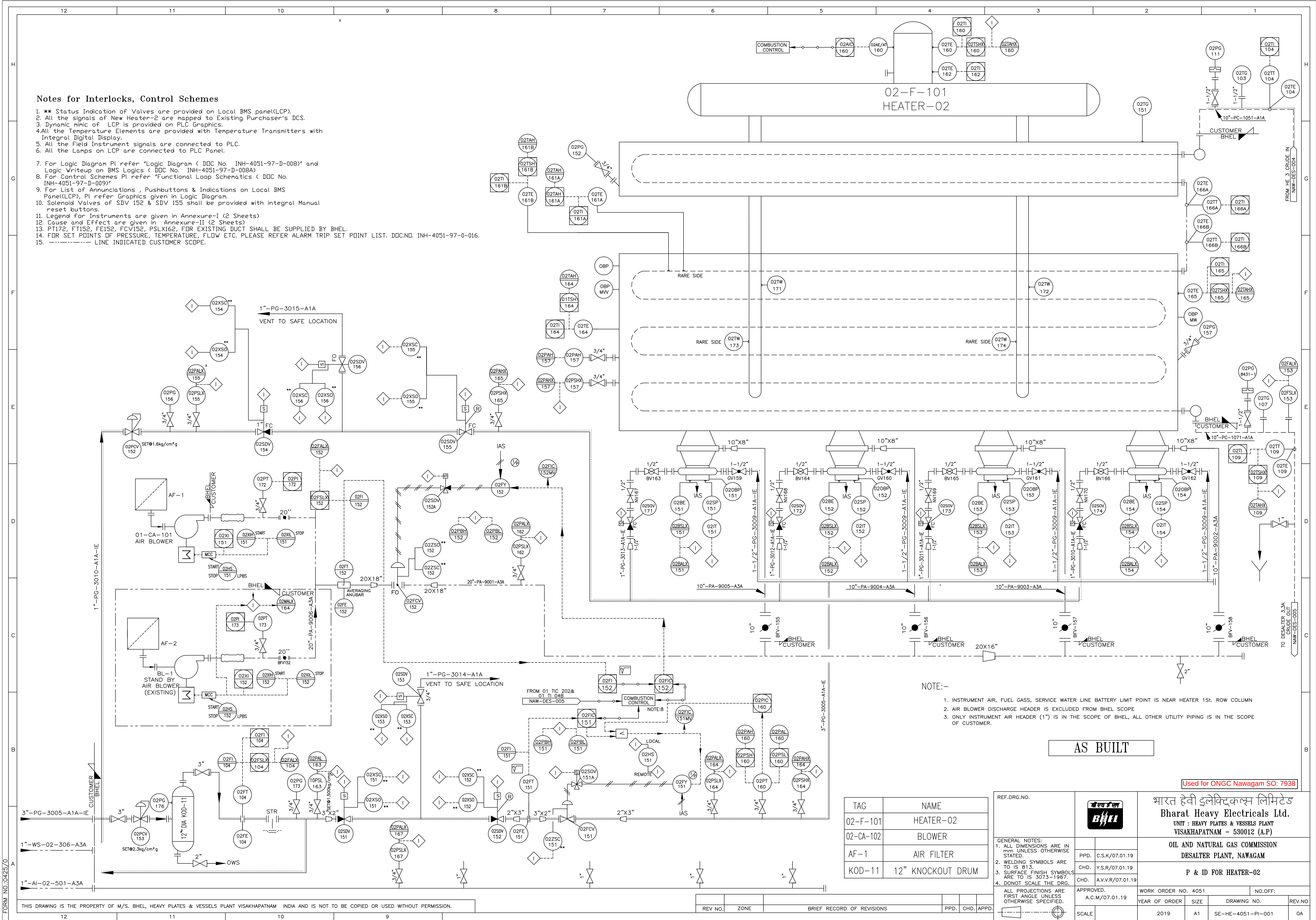


Notes for Interlocks, Control Schemes

1. ** Status Indication of Valves are provided on Local BMS panel(LCP).
2. All the signals of New Heater-2 are mapped to Existing Purchaser's DCS.
3. Dynamic mimic of LCP is provided on PLC Graphics.
4. All the Temperature Elements are provided with Temperature Transmitters with Integral Digital Display.
5. All the Field Instrument signals are connected to PLC.
6. All the Lamps on LCP are connected to PLC Panel.
7. For Logic Diagram PI refer 'Logic Diagram (DDC No. INH-4051-97-D-008)' and Logic Writeup on BMS Logics (DDC No. INH-4051-97-D-008A)
8. For Control Schemes PI refer 'Functional Loop Schematics (DDC No. INH-4051-97-D-009)'
9. For List of Annunciations , Pushbuttons & Indications on Local BMS Panel(LCP), PI refer Graphics given in Logic Diagram.
10. Solenoid Valves of SDV 152 & SDV 155 shall be provided with integral Manual reset buttons.
11. Legend for Instruments are given in Annexure-I (2 Sheets)
12. Cause and Effect are given in Annexure-II (2 Sheets)
13. PT172, FT152, FE152, FCV152, PSLX162, FOR EXISTING DUCT SHALL BE SUPPLIED BY BHEL.
14. FOR SET POINTS OF PRESSURE, TEMPERATURE, FLOW ETC. PLEASE REFER ALARM TRIP SET POINT LIST. DDC.NO. INH-4051-97-0-016.
15. ----- LINE INDICATED CUSTOMER SCOPE.



NOTE:-

1. INSTRUMENT AIR, FUEL GASS, SERVICE WATER LINE BATTERY LIMIT POINT IS NEAR HEATER 1st. ROW COLUMN
2. AIR BLOWER DISCHARGE HEADER IS EXCLUDED FROM BHEL SCOPE
3. ONLY INSTRUMENT AIR HEADER (1") IS IN THE SCOPE OF BHEL, ALL OTHER UTILITY PIPING IS IN THE SCOPE OF CUSTOMER.

AS BUILT

Used for ONGC Nawagam SO: 7938

TAG	NAME
02-F-101	HEATER-02
02-CA-102	BLOWER
AF-1	AIR FILTER
KOD-11	12" KNOCKOUT DRUM

REF.DRG.NO.

GENERAL NOTES:
1. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE STATED.
2. WELDING SYMBOLS ARE TO IS 813.
3. SURFACE FINISH SYMBOLS ARE TO IS 3073-1967.
4. DONOT SCALE THE DRG.

APPROVED:
A.C.M/07.01.19



भारत हेवी इलेक्ट्रिकल्स लिमिटेड
Bharat Heavy Electricals Ltd.
UNIT : HEAVY PLATES & VESSELS PLANT
VISAKHAPATNAM - 530012 (A.P.)

OIL AND NATURAL GAS COMMISSION
DESALTER PLANT, NAWAGAM

P & ID FOR HEATER-02

APPROVED:
A.C.M/07.01.19

SCALE

WORK ORDER NO. 4051

YEAR OF ORDER

2019

NO.OFF:

SIZE

A1

DRAWING NO.

SE-HE-4051-PI-001

REV.NO

OA

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REV NO.

ZONE

BRIEF RECORD OF REVISIONS

PPD.

CHD.

APPD.