



| SL.NO. | TAG NO. | DESCRIPTION                                       | QTY | SIZE         |
|--------|---------|---|-----|--------------|
| 1      | A.B     | UTILITY BOILER-1, 2                               | 02  |              |
| 2      | A.B     | FD FAN-1,2  | 02  |              |
| 3      |         | CHIMNEY FOR UBs                                   | 01  |              |
| 4      | A.B,C,D | GAS TURBINE-1,2,3,4                               | 04  |              |
| 5      | A.B,C,D | GT GENERATOR-1,2,3,4                              | 04  |              |
| 6      | A.B,C,D | GT TRANSFORMER-1,2,3,4                            | 04  |              |
| 7      | A.B,C,D | BYPASS STACK-1,2,3,4                              | 04  |              |
| 8      | A.B,C,D | HRSG-1,2,3,4                                      | 04  |              |
| 9      | A.B,C,D | CHIMNEY FOR HRSG-1,2,3,4                          | 04  |              |
| 10     | A.B     | STEAM TURBINE-1,2                                 | 02  |              |
| 11     | A.B     | ST GENERATOR-1,2                                  | 02  |              |
| 12     | A.B     | STG TRANSFORMER-1,2                               | 02  |              |
| 13     | A.B     | DEAERATOR-1,2                                     | 02  |              |
| 14     | A.B     | TURBINE DRIVEN BFPs FOR UBs                       | 01  |              |
| 15     | A.B     | MOTOR DRIVEN BFPs FOR UBs                         | 04  |              |
| 16     | A.B     | MOTOR DRIVEN BFPs FOR HRSGs                       | 03  |              |
| 17     |         | LP DOSING SKIDS                                   | 02  |              |
| 18     |         | CONDENSATE STORAGE TANK                           | 01  |              |
| 19     |         | CONDENSATE TRANSFER PUMPS                         | 03  |              |
| 20     |         | MUH TRANSFER PUMPS                                | 03  |              |
| 21     |         | BLACK START COOLING TOWER                         | 01  |              |
| 22     |         | BLACK START CW PUMPS                              | 02  |              |
| 23     |         | LP HEATER   | 01  |              |
| 24     |         | CONDENSATE TRANSFER PUMPS VIA LP HEATER           | 02  |              |
| 25     |         | GAS INSULATED SUBSTATION BUILDING                 | 01  | 65m x 18m    |
| 26     |         | ELECTRICAL SWITCHGEAR CUM CONTROL ROOM BLDG       | 01  | 112m x 25.5m |
| 27     |         | ATOMISING AIR COMPRESSOR SHED                     | 01  | 25m x 20m    |
| 28     |         | LT DG SHED  | 01  |              |
| 29     |         | HT DG SHED  | 01  |              |
| 30     |         | HSD TANK-RAW OIL                                  | 01  |              |
| 31     |         | HSD TANK-CLEAN OIL                                | 01  |              |
| 32     |         | NAPHTHA TANK                                      | 01  |              |
| 33     |         | UNLOADING TANK (BURIED)                           | 01  |              |
| 34     |         | DRAIN TANK  | 01  |              |
| 35     |         | FUEL OIL PUMP HOUSE                               | 01  | 33m x 48m    |
| 36     |         | HSD CENTRIFUGE SKID                               | 04  |              |
| 37     |         | HSD FORWARDING SKIDS TO GTs                       | 01  |              |
| 38     |         | HSD FORWARDING SKIDS TO HRSGs                     | 02  |              |
| 39     |         | NAPHTHA FORWARDING SKIDS TO GTs                   | 04  |              |
| 40     |         | NAPHTHA FORWARDING SKIDS TO HRSGs                 | 04  |              |
| 41     |         | NAPHTHA FORWARDING SKIDS TO UBs                   | 02  |              |
| 42     |         | SCRUBBER + FILTER SEP. SKID FOR GTs (NATURAL GAS) | 01  |              |
| 43     |         | SCRUBBER SKID FOR UBs(REFINERY GAS)               | 01  |              |
| 44     |         | STEAM HEATERS FOR 2 GTs                           | 02  |              |
| 45     |         | ELECTRIC HEATERS FOR 2 GTs                        | 02  |              |
| 46     |         | FINE FILTER FOR GTs                               | 04  |              |
| 47     |         | WATER WASH SKID FOR GTs                           | 01  |              |
| 48     |         | DRAIN TANKS FOR FUEL                              | 04  |              |
| 49     |         | WATER INJECTION SKID FOR GTs                      | 04  |              |
| 50     |         | FUEL FILTER SKIDS FOR EACH GT                     | 04  |              |
| 51     |         | DMW-CW HEAT EXCHANGER FOR GT                      | 04  |              |
| 52     |         | PUMPS FOR DMW CIRCUIT                             | 08  |              |
| 53     |         | SCRUBBER SKID FOR UBs(NATURAL GAS)                | 01  |              |
| 54     |         | LUBRICITY ADDITIVE SKID                           | 04  |              |
| 55     |         | BOP SWAS ROOM                                     | 01  | 12m x 7m     |
| 56     |         | HRSG SWAS+ CEMS ROOM                              | 02  | 10m x 7m     |
| 57     |         | UB CEMS SHELTER                                   | 01  | 7m x 5m      |
| 58     |         | UB SWAS ROOM                                      | 01  | 10m x 7m     |
| 59     |         | SPACE FOR SILENCER STRUCTURE & PROS               | 02  |              |
| 60     |         | TRANSFORMERS OIL SOAK PIT                         | 03  | 7m x 5m      |

- NOTES:**
- ALL DIMENSIONS ARE IN METRES UNLESS SPECIFIED OTHERWISE.
  - HPP LEVEL IS 100.00 & CORRESPONDS TO EXISTING RL 7.5m ABOVE MEAN SEA LEVEL (MSL).
  - FG LEVEL IS 99.80 & CORRESPONDS TO EXISTING RL 7.1m ABOVE MEAN SEA LEVEL (MSL).
  - PFL LEVEL IS 100.30 & CORRESPONDS TO EXISTING RL 7.8m ABOVE MEAN SEA LEVEL (MSL).

- REF. (EIL DRG.):**
- OVERALL PLOTPAN - 698700016470001 REV-D
  - SCOPE DRAWING - 698704616470101 REV-0

**LEGEND**

- FGL FINISHED GROUND LEVEL
- HPP HIGHEST PAVEMENT POINT
- RTL ROAD TOP LEVEL
- ▨ PIPE SLEEPER (BY BH&L)
- ▨ PIPE RACK (BY OTHERS)
- ▨ PIPE RACK (BY BH&L)
- ▨ ELECTRICAL CABLE TRENCH (BY BH&L)

**LIST OF TANKS:**

| S.NO. | TANK NO.    | SERVICE         | FLASH POINT | CLASS | NOMINAL CAPACITY (CU.M.) | PUMPABLE CAPACITY (CU.M.) | DIA. (M) | HEIGHT/LENGTH (M) | Nos.  | TANK FARM NO.           | TYPE OF TANK            |
|-------|-------------|-----------------|-------------|-------|--------------------------|---------------------------|----------|-------------------|-------|-------------------------|-------------------------|
| 30.   | 46-TT-0702A | HSD - RAW OIL   | >32 °C      | B     | 800                      | 800                       | 13       | 12                | 2     | TF-15                   | FIXED CUM FLOATING ROOF |
| 31.   | 46-TT-0702B | HSD - CLEAN OIL | >32 °C      | B     | 800                      | 800                       | 13       | 12                | 2     | TF-15                   | FIXED CUM FLOATING ROOF |
| 32.   | 46-TT-0736  | NAPHTHA         | <32 °C      | A     | 3500                     | 20.5                      | 20       | 1                 | TF-15 | FIXED CUM FLOATING ROOF |                         |
| 33.   | 46-W-0730   | DRAIN TANK      | <32 °C      | A     | 30                       | 3                         | 5        | 1                 | TF-15 | HORIZONTAL - IN PIT     |                         |
| 34.   | 46-W-0701   | UNLOADING TANK  | <32 °C      | A     | 30                       | 3                         | 5        | 1                 | TF-15 | HORIZONTAL - IN PIT     |                         |

**OWNER**  
DAHEJ PETROCHEMICAL COMPLEX  
STEAM & POWER GENERATION SYSTEM  
ONGC Petro-additions LIMITED,  
S&Z, Dahej, Gujarat, India

**PROJECT**  
TENDER No.-MR/OW/MM/STG-NOM/19/2009  
BILL JOB No. 6987 / EPCC-10 Pkg.

**DESIGNER**  
BHARAT HEAVY ELECTRICALS LTD.  
HYDERABAD

**APPROVED**  
J.C.S. 25.02.10  
PALLABI DEY 25.02.10  
K.SRINIVAS 25.02.10

**SCALE**  
1:600

**DATE**  
19.11.10

**NO. OF SHEETS**  
01

**NO. OF ITEMS**  
01

**REVISIONS**

| REV. | DATE     | ALTERED  | CHD/APPD |
|------|----------|--|----------|
| 04   | 24.06.11 | GENERALY REVISED                                       | MND      |
| 03   | 16.05.11 | REVISD IN LINE WITH COMMENTS FROM M/S EIL DTD 15.02.11 | J.C.S    |
| 02   | 5.12.10  | REVISD IN LINE WITH COMMENTS FROM M/S EIL DTD 27.11.10 | J.C.S    |
| 01   | 19.11.10 | REVISD IN LINE WITH DISCUSSION DURING KICK OFF MEETING | J.C.S    |

**PLOT PLAN**

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 GENERAL DIMENSIONAL LIMITS, FITS & TOLERANCES AS PER HY0230261  
 COMPUTER FILE NAME: 08010109-500-ROLLING  
 DATE AND DATE OF REF. DRG. NO.