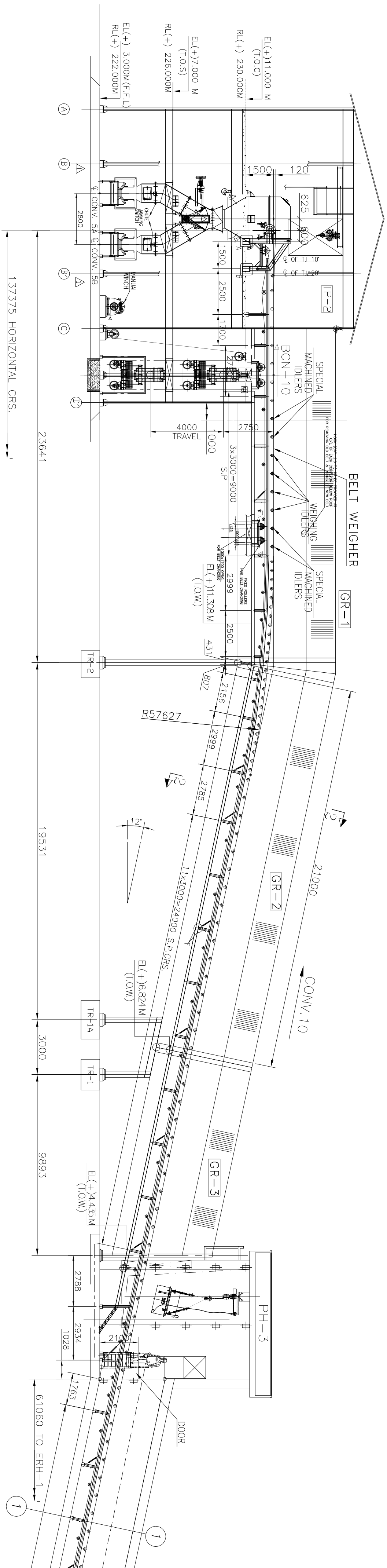
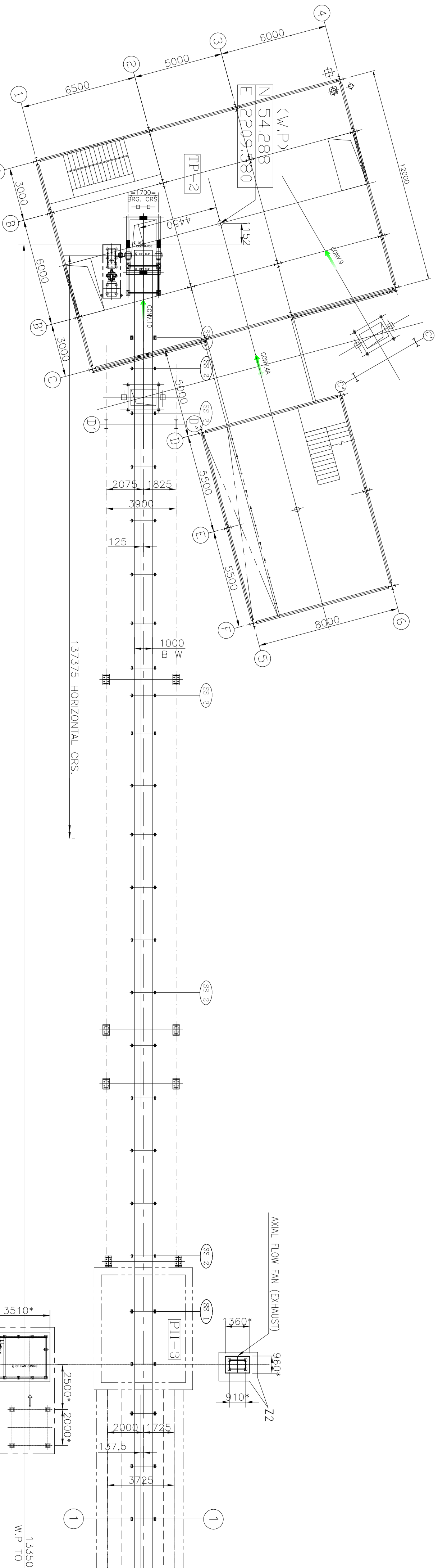
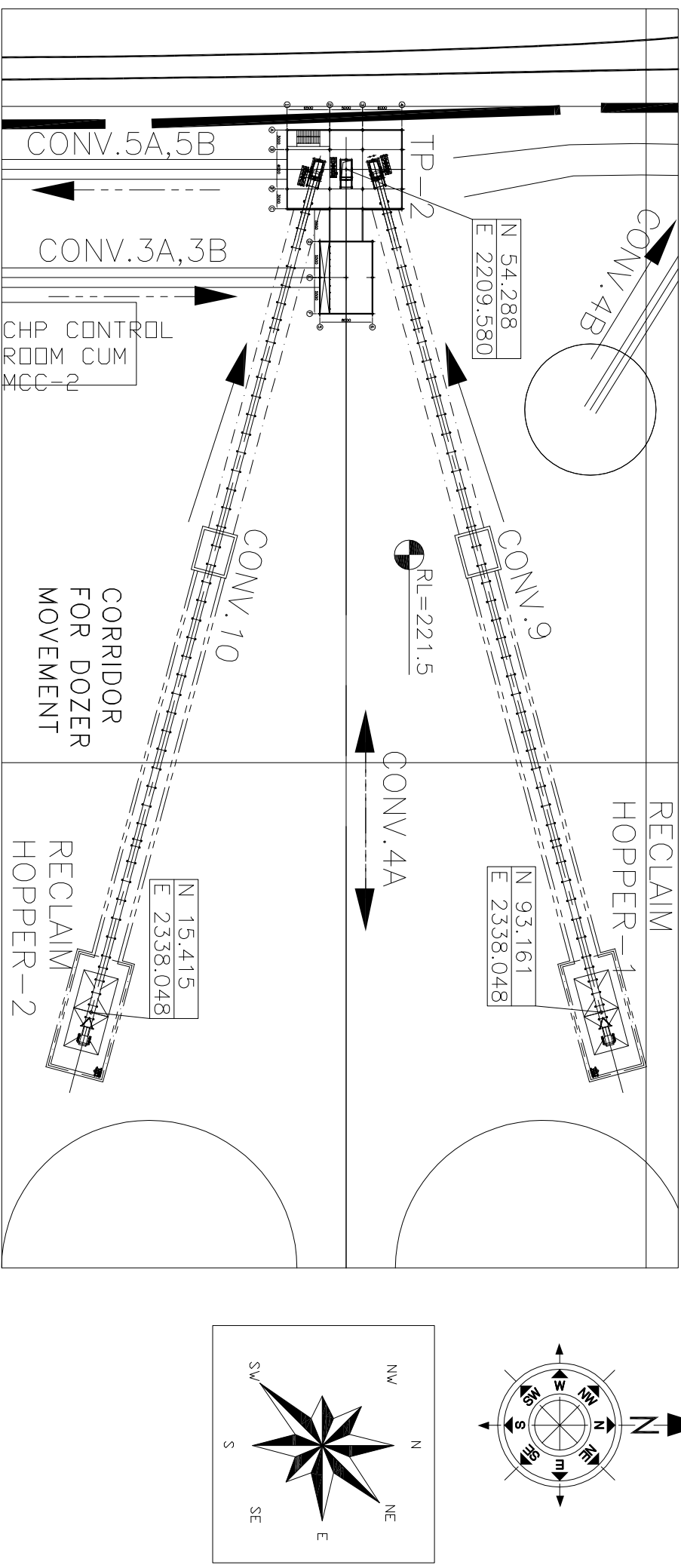




ELEVATION OF CONV.10



PLAN OF CONV. 10



- NOTES--
1. ALL DIMENSIONS ARE IN MM & LEVELS ARE IN METERS.
2. ALL ELEVATIONS ARE REFERRED TO THE FINISHED GROUND FLOOR LEVEL OF POWER HOUSE BUILDING AS EL. 0.00 M WHICH CORRESPONDS TO RL (+272.6) M ABOVE MEAN SEA LEVEL.
3. MINOR PAVEMENT LAYER CONCRETE SHOULD BE 150MM THICK FOR ALL BUILDINGS.
4. PAVED DRIVEWAYS AND PARKING ARE TO BE SMOOTH ASPHALT DRIVEWAYS SHOWN ARE WET PLANTIN LEVEL.
5. THE DRIVE DIMENSIONS ARE INDICATED ONLY AS MARKED "x" & SHALL BE ENLARGED.
6. GALLERY SUPPORTING TRUSSES TYPES AND PRECISE LOCATIONS INDICATED IN THIS DRG. ARE TENTATIVE AND FINALLY THEY SHALL BE, AS PER STRUCTURAL DRS.
7. CIVIL REQUIREMENTS INDICATED TENTATIVE.
8. DOOR SHALL BE PROVIDED ALONG ALL CORRIDORS.
9. STAIRS SHALL BE PROVIDED AT EACH FLOOR.
10. PLEASE REFER THIS DRG WITH SHEET 2 OF 5, 3 OF 5, 4 OF 5 & 5 OF 5.
11. (\*) MARKED DIMENSIONS ARE UNDER HOLD.
12. (\*\*) DURING CIVIL DESIGN COMBINED RAFT FOUNDATION SHALL BE TAKEN CARE IF REQD.
13. REINFORCEMENT OF BRACE SHALL BE DECIDED BASED ON COASTING TECH CALCULATION OF COMPLETE CIRCUIT
14. VENTILATION OUTGOING DETAILS SHALL BE TENTATIVE & SAME SHALL BE AS PER APPR DUCT LAOUT
15. THE BELT SPEED INDICATED IS NOMINAL SPEED & ACTUAL SPEED WILL BE VARIAIED WITHIN ± 5% OF NOMINAL SPEED
16. FOR THE BELTS SPEED INDICATED IS TAIL END DATA OF TP-2; FOR TAL END LOAD REFER CAR & LOAD DATA OF BPW-2

| REFERENCE DRAWINGS/DOCUMENTS |                                                       |
|------------------------------|-------------------------------------------------------|
| DWG. NO.                     | DESCRIPTION                                           |
| S-0-FL-708-100-M001          | COAL FLOW DIAGRAM                                     |
| S-1-FL-708-100-M002          | LAYOUT OF COAL HANDLING PLANT                         |
| S-1-CA-708-100-M003          | TYPICAL GALLERY CROSS-SECTIONS OF GALLERIES & TUNNELS |
| S-1-CA-708-104-M023          | MECHANICAL GA & LOAD DATA OF IP-2                     |
| S-1-CA-708-104-M028          | GA OF EMERGENCY RECLAIM HOPPER (TRH-2)                |

| LEGEND FOR CONVERTOR |                                      |
|----------------------|--------------------------------------|
| ⊕                    | CARRYING IDLER C.I                   |
| ⊖                    | TRANSITION IDLER T.I                 |
| ●                    | 2. ROLL RETURN IDLER R.I             |
| ⦿                    | FLAT RETURN IDLER F.R.I              |
| ⊕                    | IMPLICIT IDLER I.I                   |
| ⊖                    | WEIGHING IDLER W.I                   |
| ⊕                    | SPECIAL MACHD IDLER S.M.I            |
| ⊖                    | SPECIAL CLEANING IDLER S.C.I         |
| ⊕                    | SELF ALIGNING CARRYING IDLER S.A.C.I |
| ⦿                    | DEFLECTOR ROLLER D.R                 |
| ⦿                    | PULL CHORD SWITCH PCS                |
| ⦿                    | BELT SWAY SWITCH BSS                 |
| ①                    | ZERO SPEED SWITCH ZSS                |
| ⦿                    | WORKING POINT W.P                    |
| ⦿                    | HEAD PULLEY H.P                      |
| ⦿                    | TAIL PULLEY T.P                      |

|     |         |                                             |      |     |     |
|-----|---------|---------------------------------------------|------|-----|-----|
| 1   | 31-3-17 | REVISED AS PER MECON COMMENTS DATED-18-3-17 | J.S. | S.J | V.J |
| REV | DATE    | BRIEF RECORD                                | DRN  | CHD | APP |

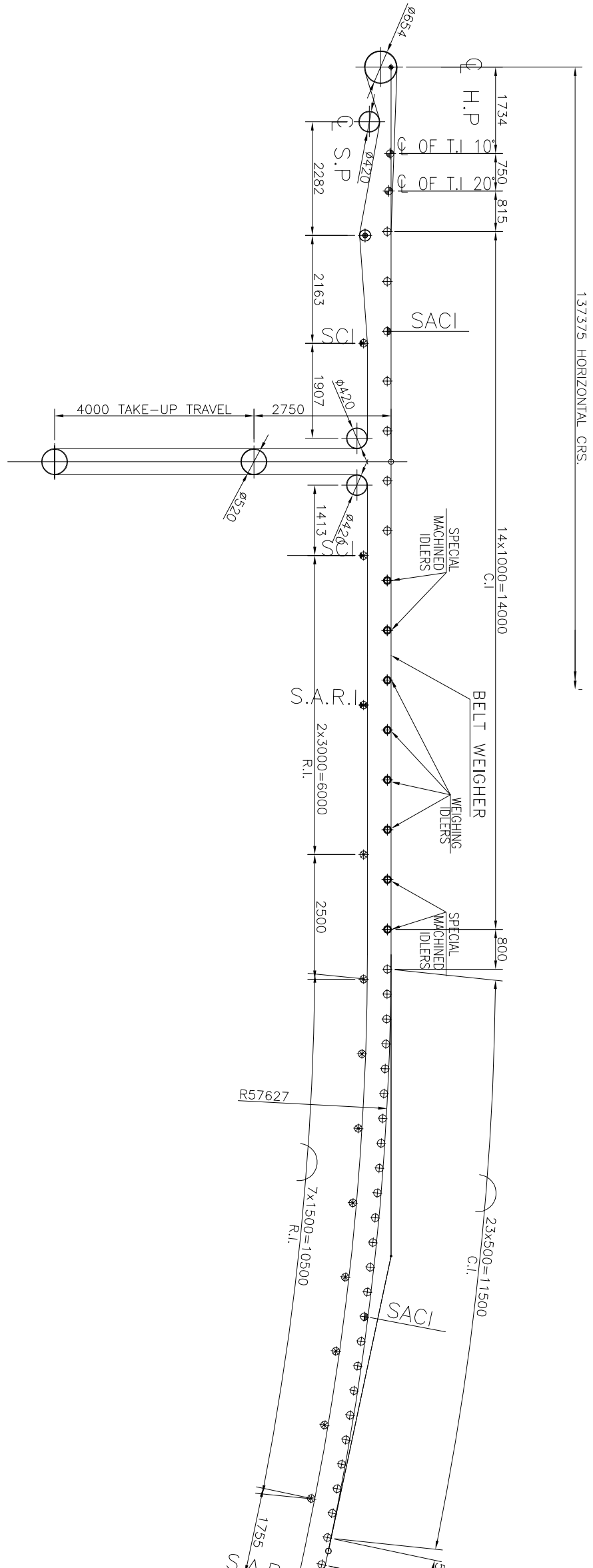
|                                                                                     |         |         |        |
|-------------------------------------------------------------------------------------|---------|---------|--------|
|  |         |         |        |
| <p align="center"><b>MECON LIMITED</b><br/><b>मेकॉन लिमिटेड</b></p>                 |         |         |        |
| <p align="center"><b>INDUSTRIAL SYSTEMS GROUP,<br/>BANGALORE</b></p>                |         |         |        |
| <p align="center"><b>INDUSTRIAL SYSTEMS LTD</b></p>                                 |         |         |        |
|  |         |         |        |
| NAME                                                                                | SGN     | DATE    |        |
| DSN                                                                                 | R, S    | 12-1-17 | NO. OF |
| DSN                                                                                 | 13-1-17 |         | VER    |
| SGD                                                                                 | NSD     | 14-1-17 |        |
| SGD                                                                                 | NSD     | 15-1-17 |        |

| TECHNICAL SPECIFICATION |          |                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   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| CONVEYOR                | IS-11592 | CONVEYOR NO./EQUIPMENT NO.                 |  | BON-110                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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|                         |          | RATED CAPACITY/DESIGN CAPACITY (T.P.H)     |  | 600/770                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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|                         |          | BELT WIDTH (MM)/TROUJINGH ANGLE            |  | 1000/35°                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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|                         |          | VERTICAL LIFT (M)                          |  | 21.300                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            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|                         |          | HORIZONTAL CRS. (M)                        |  | 137.375 M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                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|                         |          | PROFILE LENGTH (M)                         |  | 139.995 M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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| CONVEYOR                | IS-11592 | ENDLESS BELT LENGTH (CONDENSING SAG) (MM)  |  | 292.275M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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|                         |          | SPEED (M/SEC.)                             |  | 3.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               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|                         |          | MATERIAL                                   |  | COAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              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| MATERIAL HANDLED        |          | BULK DENSITY FOR CONVEYOR SIZING (TON/CUM) |  | 0.8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               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|                         |          | FOR STRUCTURAL DESIGN (TON/CUM)            |  | 1.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               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|                         |          | LUMP SIZE (MM)                             |  | (-20)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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|                         |          | MATERIAL TEMP.                             |  | AMBIENT (MAX. 50°)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                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| BELT IS:1891            |          | RATING                                     |  | 630/4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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|                         |          | TOP COVER THICKNESS (MM)                   |  | 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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|                         |          | BOTTOM COVER THICKNESS (MM)                |  | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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| BELT IS:1891            |          | BELT TENSION (KN)                          |  | 11 -48.96, 12-21.34/15 -58.63, 175-31.01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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|                         |          | TYPE OF JOINT                              |  | VULCANIZED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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|                         |          | TYPE                                       |  | 18G, 63, 252, TYPE 200, 250, 315, 355, 400, 450, 500, 560, 630, 710, 800, 900, 1000, 1120, 1250, 1400, 1600, 1800, 2000, 2250, 2500, 2800, 3150, 3550, 4000, 4500, 5000, 5600, 6300, 7100, 8000, 9000, 10000, 11200, 12500, 14000, 16000, 18000, 20000, 22500, 25000, 28000, 31500, 35500, 40000, 45000, 50000, 56000, 63000, 71000, 80000, 90000, 100000, 112000, 125000, 140000, 160000, 180000, 200000, 225000, 250000, 280000, 315000, 355000, 400000, 450000, 500000, 560000, 630000, 710000, 800000, 900000, 1000000, 1120000, 1250000, 1400000, 1600000, 1800000, 2000000, 2250000, 2500000, 2800000, 3150000, 3550000, 4000000, 4500000, 5000000, 5600000, 6300000, 7100000, 8000000, 9000000, 10000000, 11200000, 12500000, 14000000, 16000000, 18000000, 20000000, 22500000, 25000000, 28000000, 31500000, 35500000, 40000000, 45000000, 50000000, 56000000, 63000000, 71000000, 80000000, 90000000, 100000000, 112000000, 125000000, 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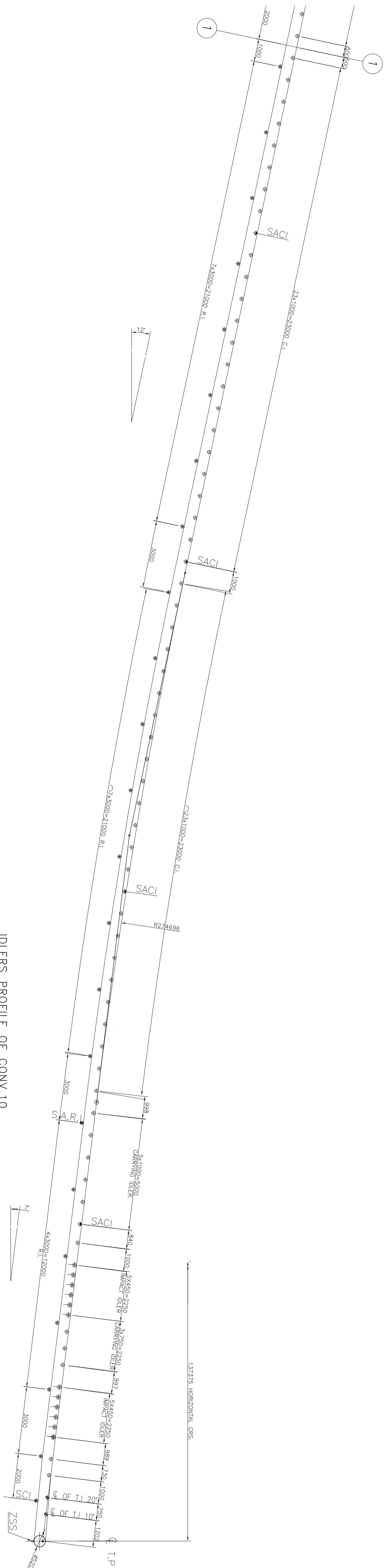
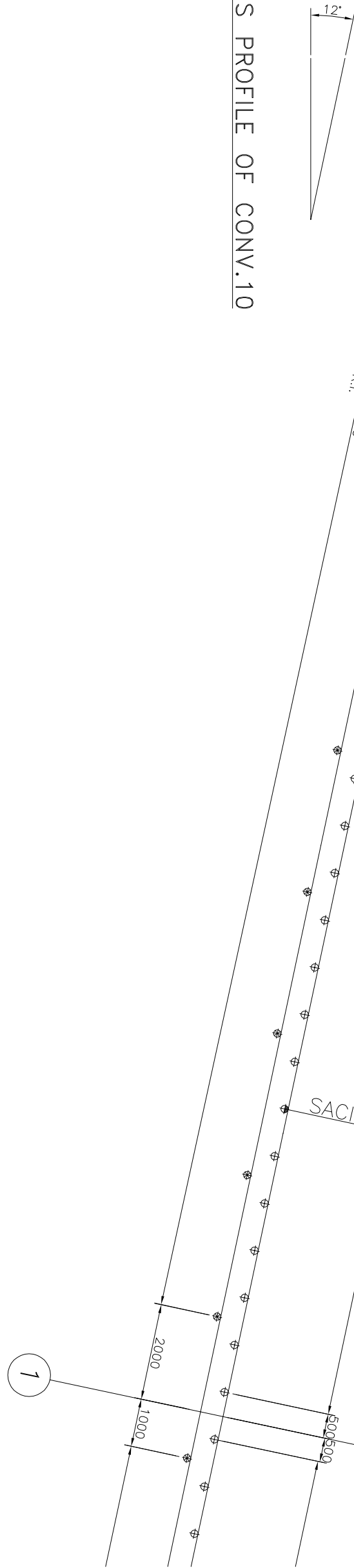








IDLERS PROFILE OF CONV.10



IDLERS PROFILE OF CONV.10

NOTES:-  
1. ALL DIMENSIONS ARE IN MM & LEVELS ARE IN METERS.  
2. READ THIS DRG IN CONJUNCTION WITH SHEET 1 OF 4, 2 OF 4, 4 OF 4 & 5 OF 5.

PROJECT :  
ROURKELA PP-II EXPANSION  
PROJECT (IX250 MW)

OWNER :  
NTPC-SAIL POWER COMPANY PVT. LTD.

CONSULTANT :  
MECON LIMITED  
मेकॉन लिमिटेड

BHARAT HEAVY ELECTRICALS LTD  
INDUSTRIAL SYSTEMS GROUP,  
BANGALORE

TITLE :  
GA AND LOAD DATA OF BCN-10

REV. DATE  
1 31-5-17 REVISED AS PER MECON COMMENTS DATED-06-5-17  
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