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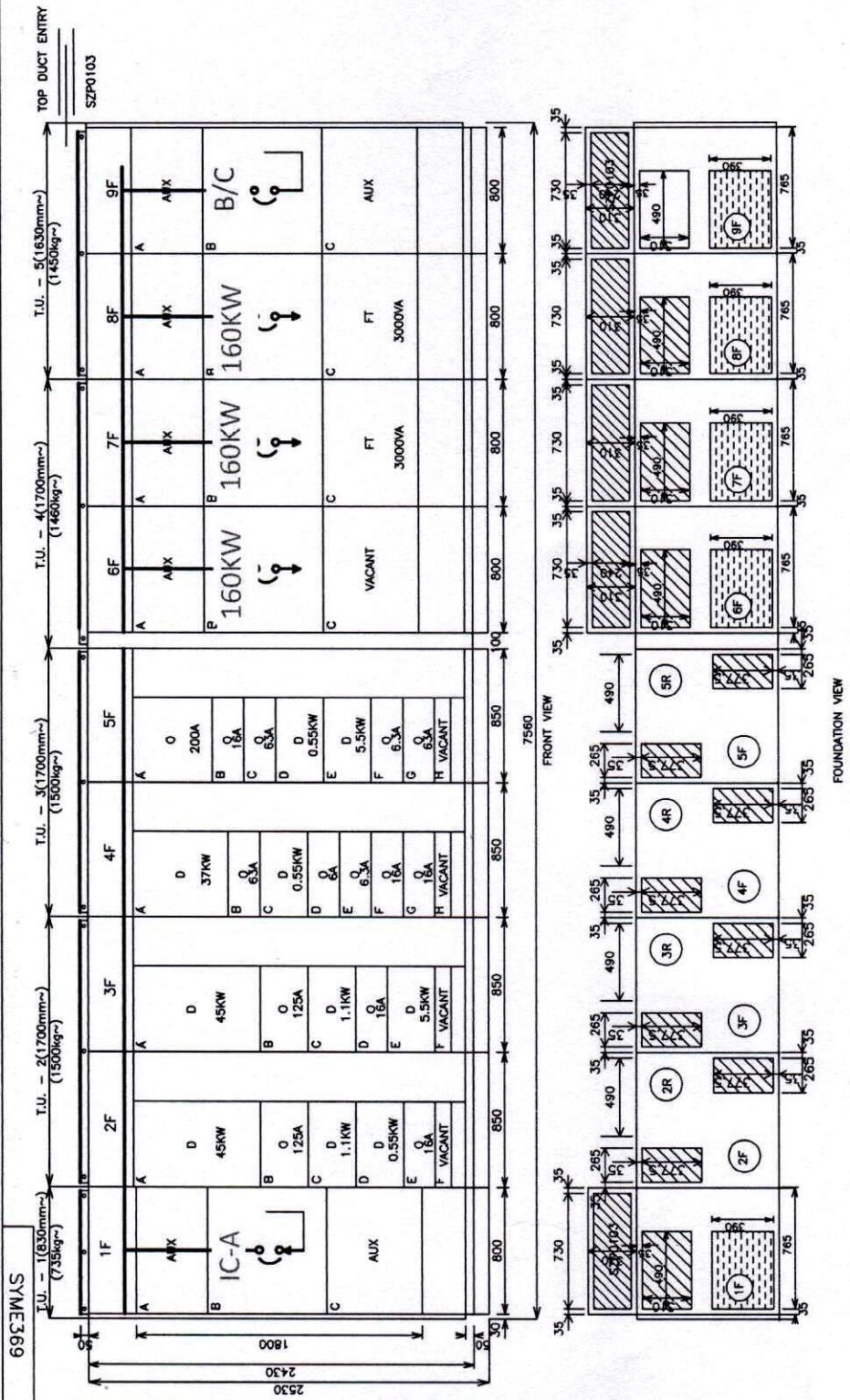
LARSEN & TOUBRO LIMITED
CONSULTANT : BHEL

CUSTOMER : BHEL EPT BANGALORE
PROJECT : 1370 MW YELAHANKA CCPP, KARNATAKA

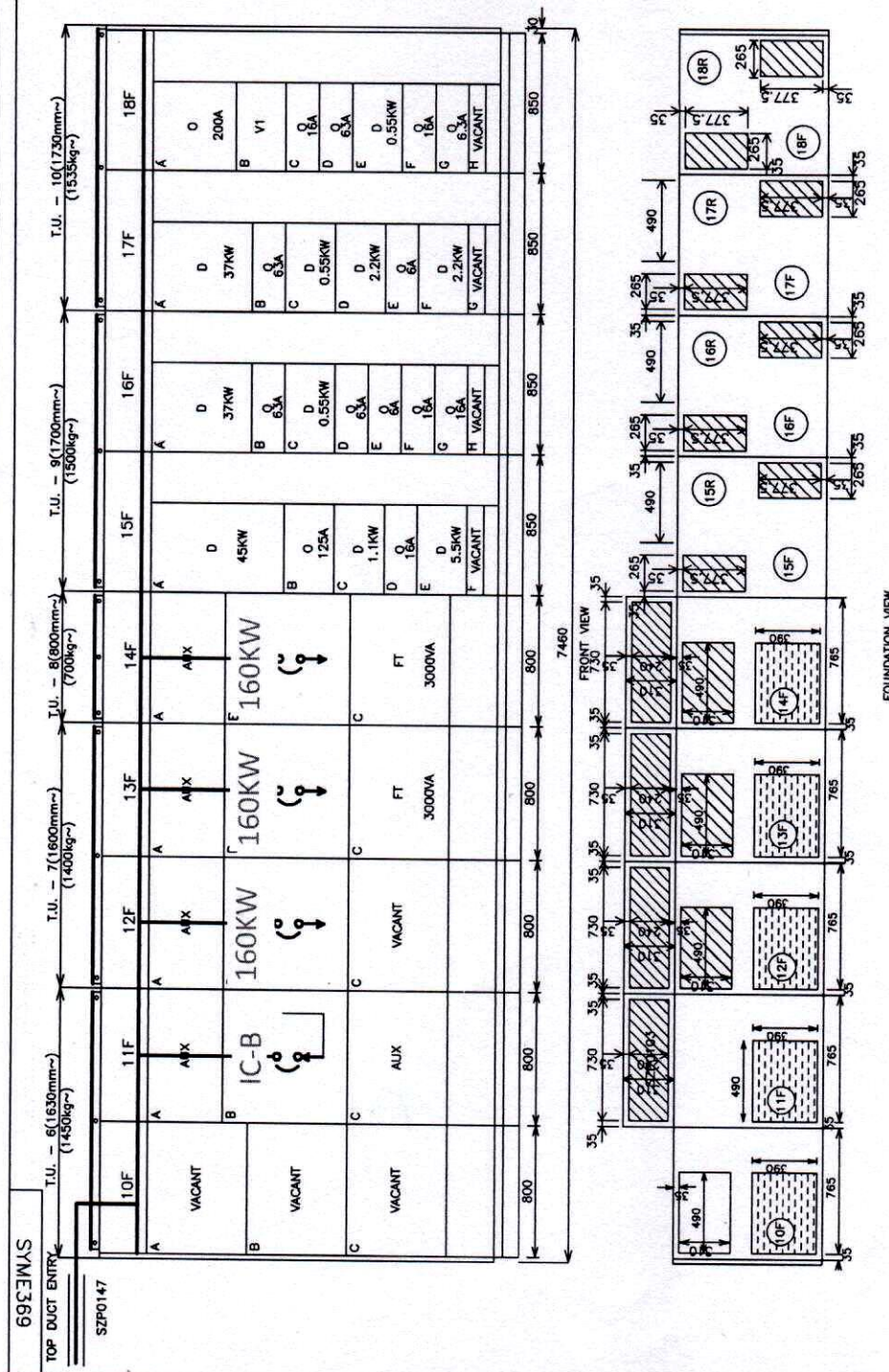
DRN.BY : MS
CHD.BY : MS
APPD.BY : HAD
DATE : 07.09.2017

415V OZONISATION SWGR
#ODD
(GENERAL ARRANGEMENT DRAWING)

SYME369 02
SHEET 4 OF 13
REV.



| | |
|---------------|------|
| SYME369 | 02 |
| SHEET 5 OF 13 | REV. |



SYME369

| 18R | 17R | 16R | 15R | 14R | 13R | 12R | 11R | 10R |
|---|--|--|---|-----|-----|-----|-----|-----|
| A VACANT B O 125A C D 0.75KW D O 18A E D 0.55KW F D 0.55KW G D 1.1KW H D 5.5KW I VACANT | A VACANT B O 125A C D 1.5KW D O 18A E D 0.55KW F D 0.55KW G D 1.1KW H D 1.5KW I VACANT | A VACANT B O 125A C D 0.6A D O 18A E D 0.55KW F D 0.6A G D 1.8A H D 1.5KW I VACANT | A O 200A B O 18A C O 63A D O 32A E O 32A F O 6A G D H VACANT | | | | | |

| 9R | 8R | 7R | 6R | 5R | 4R | 3R | 2R | 1R |
|----|----|----|----|---|--|--|--|----|
| | | | | REAR VIEW A VACANT B O 125A C O 6A D O 18A E O 32A F D 0.19-0.25KW G D 0.55KW H D 1.1KW I VACANT | A VACANT B O 125A C O 6A D O 18A E D 2.2KW F D 0.55KW G O 32A H D 1.5KW I VACANT | A O 200A B V1 C O 18A D O 32A E O 6A F D 1.5KW G O 63A H VACANT | A O 200A B O 6A C D 0.55KW D D 2.2KW E O 18A F O 100A G VACANT | |

REAR VIEW

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CUSTOMER : BHEL EPD BANGALORE
PROJECT : 1X370 MW YELAHANKA CCPP, KARNATAKA
CONSULTANT : BHEL

DRN.BY : MS
CHO.BY : MS
APPD.BY : HAD
DATE : 07.09.2017

PWO NO : 3058634215
DEPT. : SPE-D(P)
SCALE : NTS

415V OZONISATION SWGR
#000
(GENERAL ARRANGEMENT DRAWING)

SYME369

02

SHEET 6 OF 13

REV.

SYM369

GENERAL INFORMATION

| | |
|--------------------------------|--------------------------------|
| VOLTAGE | 415V |
| FREQUENCY | 50 HZ |
| FAULT LEVEL | 50KA FOR 1 SEC |
| SYSTEM | TP+50KN (3PH4W) |
| FORM OF SEPERATION | FORM -4B TYPE 7 |
| EXTERNAL BOARD IP | IP54 |
| EXT. PAINT SHADE | LIGHT GREY - 631 |
| INT. PAINT SHADE | PEBBLE/FLINT GREY (RAL 7032) |
| PACKING | FULL WOODEN CRATE (DOMESTIC) |
| DESIGN | TF900+T03 |
| FIXED/DRAWOUT | DRAWOUT |
| MODULES/BASE PLATE PAINT SHADE | RAL7032 |
| RECOMMENDED REAR ACCESS | 1500MM |
| RECOMMENDED TOP ACCESS | 1500MM |
| RECOMMENDED FRONT ACCESS | 1500MM |
| BUSBAR DETAILS | |
| PHASE MATERIAL | ALUMINIUM |
| NEUTRAL MATERIAL | ALUMINIUM |
| TYPE | INTERLEAVED (2 PKT) |
| RATING | 2500A |
| LOCATION | TOP BUSBARS |
| DROPPER DETAILS | |
| MATERIAL | ALUMINIUM |
| EARTHBAR DETAILS | |
| MATERIAL | ALUMINIUM |
| SIZE (in mm) | 2.6 x 50 MM |
| AUXILIARY BUSBAR DETAILS | |
| MATERIAL | COPPER |
| AUX BUS SIZE (in mm) | 4 SQ.MM |

CABLE ENTRY DETAILS

| | |
|--------------------------------------|----------------------|
| INCOMER BUS COUPLER | TOP DUCT THROUGH AOC |
| OUTGOING | BOTTOM CABLE ENTRY |
| REFERENCE DRAWINGS | |
| MASTER BILL OF MATERIAL & GENERAL NO | SCS1650 |
| DUCT ENTRY | SZP0103,SZP0147 |
| SPECIAL INSTRUCTION | SCS1649 |
| BOARD DIMENSIONS | |
| HEIGHT (IN MM) | 2530 |
| LENGTH (IN MM) | 15020 |
| ISMC HEIGHT | 100 mm |
| ISMC BASE/CHANNEL | CHANNEL |

BUSBAR TABLE:

| SECTION | PANEL NO. | Size (in mm) |
|---------|-----------|-------------------------------------|
| 1 | 1-9 | 4.8X150MM PER PH 2.6X150MM FOR N |
| 2 | 9-18 | 4.8X150MM PER PH 2.6X150MM FOR N |

DROPPER TABLE:

| DESIGN | PANEL NO. | Size (in mm) |
|--------|--|---|
| T03 | 2F/R,3F/R,4F/R,5F/R,15 F/R,16F/R,17F/R,18F/R | 1:12X30 MM PER PH(ALUMINIUM) 1:10X30 MM FOR N(ALUMINIUM) |

AUXILIARY BUSBAR

| SEQ NO. | Aux Size | Description. | Panel No. |
|---------|----------|------------------------------|-----------|
| 01 | 4 SQ.MM | 240V AC PNL.SP.HTR. BUS - PH | 01-18 |
| 02 | 4 SQ.MM | 240V AC PNL.SP.HTR. BUS - N | 01-18 |
| 03 | 4 SQ.MM | 110V AC AUX BUS - PH | 01-18 |
| 04 | 4 SQ.MM | 110V AC AUX BUS - N | 01-18 |
| 05 | 4 SQ.MM | 110V AC VT BUS - R PH | 01-18 |
| 06 | 4 SQ.MM | 110V AC VT BUS - Y PH | 01-18 |
| 07 | 4 SQ.MM | 110V AC VT BUS - B PH | 01-18 |
| 08 | 4 SQ.MM | 110V AC VT BUS - N | 01-18 |
| 10 | 4 SQ.MM | 220V DC AUXILIARY BUSBAR +VE | 01-18 |
| 11 | 4 SQ.MM | 220V DC AUXILIARY BUSBAR -VE | 01-18 |



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