

## Special feature of power supply arrangement at RWP/Bela

Connected Load ..... 40 MVA

Contract Demand ....26.7 MVA

Main Electric Supply ... 132 KV Average energy bill paid to BSEB –Approx 1 Crore per month.

| Substation . | VCB | ACB | Power Transformer                     | Distribution Transformer |
|--------------|-----|-----|---------------------------------------|--------------------------|
| MRS          | 36  | 1   | 4                                     | 1(250 KVA)               |
| Melt         | 8   | 52  | -                                     | 5(1600 KVA)              |
| TPO          | 5   | 14  | -                                     | 3(1600 KVA)              |
| MPO          | 4   | 14  | -                                     | 2(1600 KVA)              |
| Comp.        | 4   | 13  | -                                     | 2(1600 KVA)              |
| Fume         | 4   | 11  | -                                     | 2(1600 KVA)              |
| Admin.       | 4   | 8   | -                                     | 2(1600 KVA)              |
| Pump         | 4   | 3   | -                                     | 2(1000 KVA)              |
| DG           | 4   | 2   | -                                     | 1(750 KVA)               |
| PCS          | 4   | 3   | -                                     | 2(750 KVA)               |
| Colony1,2&3  | 12  | 9   | -                                     | 6(250 KVA)               |
| Arc Furnise  | 9   | -   | 12.5 to 14 MVA Duck Boost Transformer | -                        |

HT Cable 3Cx400=17100 Meter

XLPE 3Cx185=1080 Meter

3Cx95=350 Meter

1Cx630=204 Meter

Control Cable 4Cx6 =1600Meter

4C x2.5 = 9200 Meter

7C x2.5 = 20000 Meter

10C x2.5 = 15500 Meter