

NEMICHAND AGRAWAL

MEDITRON.

1. NC Agrawal was helped by SIRDO Bhimtal which was body of BIT STEP in Ranchi
2. Teletronix Limited was formed with UP state body Parvitiya Vikas Nigam having headquarters at Nainital. Industrial land was granted at BHIMTAL
3. License for manufacture of TV sets was applied by the Nigam in which SIRDO played a major role. Shareholding was 24 % NC Agrawal, 25% general public and 51 % corporation. Company was incorporated in 1973. We manufactured TV sets and defense items.
4. Because of regional problems & states abnormal interference, I resigned from the profit-making company and sold the shares to the Nigam at par in year 1996
5. SIRDO in the leadership of Dr. Pande invited me to replat me in Ranchi so I came to Ranchi on 25 DEC 1976
6. I was offered Rs 250/- P/M training stipend and subsidized residential facility to sustain me till I would start my new unit.
7. One Room in SIRTDO building was allotted to me free of cost to start my electronic unit
8. This happened as no industrial shed was available,
9. Spinx who manufactured tractor trollies failed and closed down.
10. His belongings and machinery were there so a wall was built in shed and 1/3 shed was allotted to me on 9/3/81

MEDITRON started with Repair and maintenance of medical equipment's like cardiographs, diathermies, Audiometers etc. along with industrial service of repair to heavy industries. Over burden drills, shovels, dynamic balancing machines and other heavy machine were repaired. Gradually we added import substitutes for heavy industry. In the process we gave many Russian and Czeck electronic cards for HEC, Bokaro Steel plant, COAL India, Korba Aluminum Plant and so on. During this period, we also developed voltage stabilizers which was a regular product and very well accepted in market having lot of innovative features.

We had been in regular process of innovation and gradually diversified into manufacture of Electrical panels mainly for the machine tools of HEC. The first big job in this field was done was by making sophisticated electrics of Wheel lathe which was a hydraulic copying and machining the Railway wagon wheel profile. The process continued and we did lot of innovative jobs. Incidentally there was a time when all the machines produced by HMTP HEC plat were manufactured by us. It is to be noted here that where ever there was technical issues we got all help of BIT.

With the advent of PLC in India We adopted the technology and joined hands with Allen Bradley and started making electrics using PLC systems. The first system made by was given to Bokaro Steel Plant. We specialized in the PLC programming and many jobs in this are were done. Later we joined hand with Siemens and stated designing and manufacturing systems using Siemens PLC and DC drives. Later with the advent of AC drives we started using AC drives and acquired skills in these systems.

Our journey of development was continuous and we there after developed VACUUM CIRCUIT BREAKER after lot of hard work. The costs involved were huge. However, we somehow managed and developed the product in the year 2000, got it type tested the CPRI Bhopal at a huge cost in the year 2002. This was an indoor type breaker and later considering the requirements Utilities at Ranchi Out door breaker was also developed. Today we can boast of having a huge population of VCB In Coal India, Utilities and many private industrial and big establishments like the Ranchi cricket Stadium.

We have developed many import substitutes and innovative products like ready-made (Unitized) Substations of 20MVA capacity installed in the hills are of Uttranchal. For Coal India we developed complete coal conveyor handling system which is controlled with modem communication from a remote station and the system is installed inside the surface Mines. Earlier this system was imported by CCL from Krupp Australia and at about 5 time more the cost.

There is a big list of innovative jobs done by us. These were some of them.

Currently we manufacturing VCB panels of 3.3 KV to 33 KV, Unitized substations, field switches, Readymade substations, Trollies equipped with transformer and control and switching protection for utilities serving as break down service for the utilities, control and relay panels, VCB Kiosks and other tailor-made electrics with / without automation.

Support of STEP.

1. At Bhimtal SIRDO helped in making the project report for the manufacture of TV sets.
2. The initial negotiations with the Hill development Corporation were done by SIRDO and the license to manufacture of TV sets was followed up with the GOI.
3. Helped in the incorporation of Teletronix Limited Company.
4. Total mediation /negotiations were carried out with the Corporation by the Help of SIRDO in which Dr. Pande played a major role besides he was one of the directors in the board of Teletronix limited.
5. For the Ranchi project initial project report was made with the help of SIRDO.
6. Full help was given in vetting the project and helped us in securing loan from UCO without collateral guarantee, instead only the personal insurance policy was pledged.
7. Our cheques were countersigned by SIRDO director and then only they honored by bank.
8. Readymade room was granted to start my electronics activities.
9. In 1982 on the availability of shed I was granted a shed to grow my activities.
10. Product development help was given and solutions for technical issues raised were given by experts and BIT professors.
11. I was given technical help in all related matters by SORDO team especially Dr. Kanta Rao.
12. In the initial hand holding was good and venture thrived.



11kV RMU PANEL

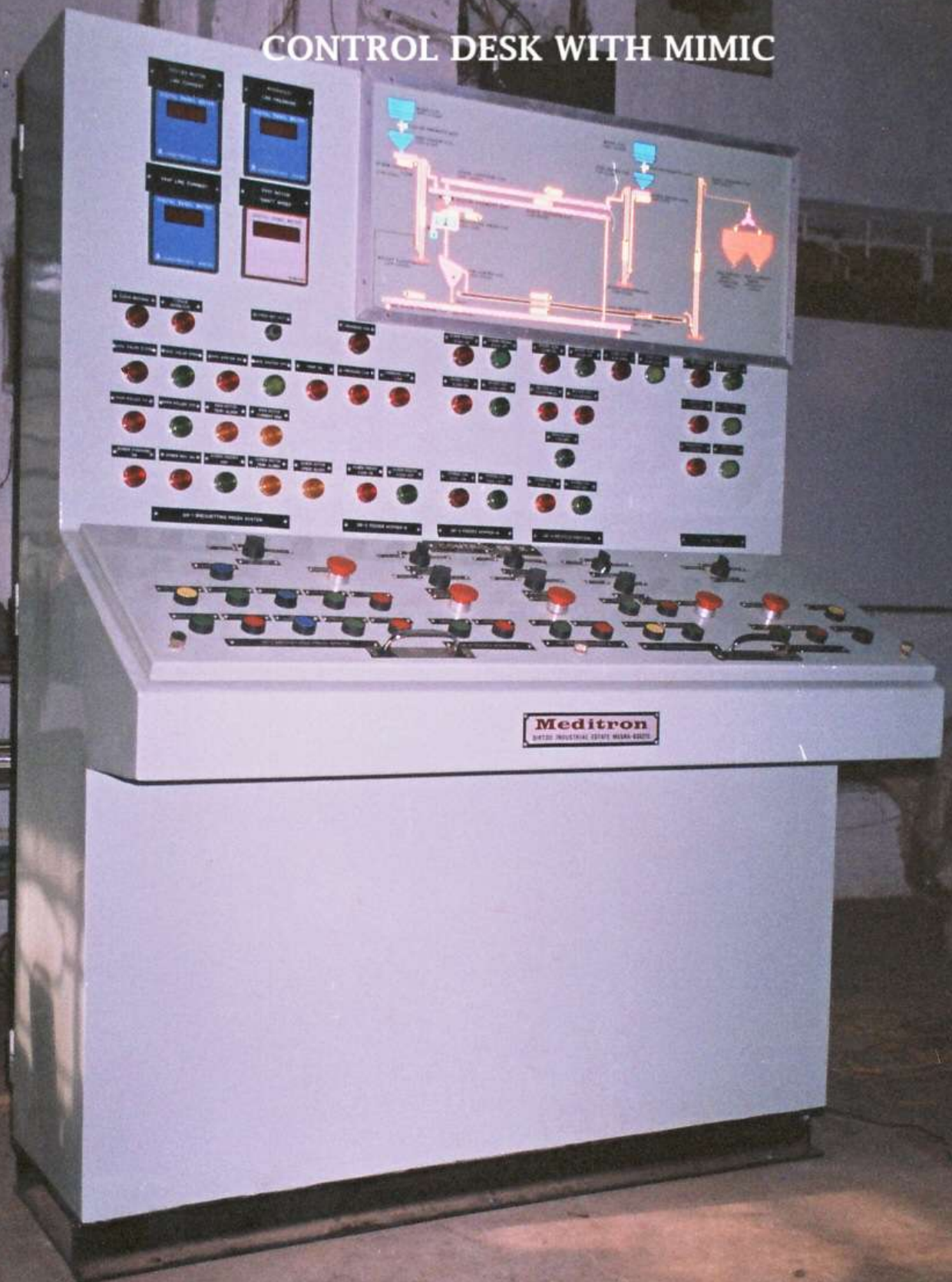


REMOTE CONTROL COMPACT SUB STATION



CONTROL & RELAY PANEL

CONTROL DESK WITH MIMIC





OUTDOOR TYPE UNITISED SUB-STATION





LT MCC PANEL



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