

CURRICULAM VITAE

**OBJECTIVE:
TO ACCEPT THE CHALLENGING ASSIGNMENT AND MAKE
IT SUCCESS**

1. NAME : KRISHNA PRASAD SINGH

2. DATE OF BIRTH : 15-02-1947

3. EDUCATIONAL QUALIFICATIONS:

- 1) B.Sc.Engg.(Elect.) 1ST Class, From I.T. B.H.U. in the year 1969.
- 2) M.Sc.Engg.(Elect.) 1ST Class, From I.T. B.H.U. in the year 1971.

4. ADDRESS FOR COMMUNICATION:

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4. DETAILS OF TRAINING:

- 1) CRM-II ELECTRICS IN BHEL – BANGALORE & HARDWAR.
- 2) CRM-II ELECTRICS – I.S.G. BANGALORE
- 3) ACTION LEADERSHIP: H.R.D. Bokro Steel Plant
- 4) ISO 9001:2000 QMS: H.R.D. Bokro Steel Plant
- 5) ISO 14001:1996 EMS: H.R.D. Bokro Steel Plant
- 6) PROGRAMME ON HRD SKILLS FOR SHOPFLOOR MANAGERS:
M.T.I. RANCHI
- 7) ENHANCE MANAGERIAL EFFECTIVENESS: M.T.I. RANCHI
- 8) SAFETY AND ACCIDENT PREVENTION: H.R.D. Bokro Steel Plant

5. DETAILS OF TEACHING AND INDUSTRIAL EXPERIENCE:

A) TEACHING EXPERIENCE:

- (1) Director & HOD Dept Of Elect.Engg. Shambhunath Institute of Engineering and technology, Allahabad From July 2009 to till date.(Sub: Electric Drive , Power system operation and control, Power Electronics and Power converter application)
- (2) Director, Dr. Rizve College of Engineering, Karari, Kaushambi
From December 2007 to 14-06-09 (Sub:Basic Electrical Engg., Network analysis and Synthesis and Micro-processor)
- (3) Prof. Dept of Elect. Engg. United College Of Engg. & Research, Naini.
Allahabad From August 2007 to December 2007..(Sub: SWITCH GEAR AND PROTECTION & NON CONVENTIONAL ENERGY RESOURCES.)
Conducted project presentation of final year students.
- (4) Prof. & HOD Dept Of Elect.Engg. KCNIT, BANDA, From Sep 2006 To June 2007. (Sub: EMEC-II & POWER ELECTRONICS for V & VI Semester)
Conducted seminar and mock interview for pre final and final year students.
Number of projects were guided.

B) INDUSTRIAL EXPERIENCE:

ORGANISATION: BOKARO STEEL PLANT

S.N.	PERIOD	DESIG/ORGANI	RESPONSIBILITY
1	JULY-02 To NOV-04	A.G.M. Bokaro Steel Plant	1.Planning and procurement of process consumables for smooth running of Cold Rolling Mill e.g. Rolling oil, Chemicals, raw materials and packaging materials and tools (app, 90 crore) 2.Coordinating training programmed for executives and non executives (app.2500 employees) 3.Main coordinator for ISO 14001:1996 EMS and ISO 9001:2000 QMS.
2	JULY 1998 To JUNE-2002	A.G.M. Bokaro Steel Plant	1. Preventive and breakdown maintenance of Mills and Lines as In charge in CRM. 2. Main coordinator for changeover of S-3 PLC by S-5 PLC in DCR Mill.
3	JUL-1993 To JUNE 1998	SUPERINTENDENT Bokaro Steel Plant	1. Preventive and breakdown maintenance of Mills and Lines as In charge in CRM. 2. Preparation of ISO documentation and its implementation in Lines and Mill.
4	JULY- 1991 To JUNE- 1993	MANAGER Bokaro Steel Plant	Stabilization of DCR Mill, Continuous Annealing Line, Electrolytic Cleaning Line and Preventive and breakdown maintenance of Mill and Lines.
5	JUNE 1989 To JUNE 1991	SUPERINTENDING ENGINEER Bokaro Steel Plant	Testing and commissioning of Electrical equipm- ents and their optimization in CRM-II e.g. High voltage Sub-station, AC & DC drives and their controls, PLC and special equipments.
6	JUNE 1985 To JUNE 1989	ZONAL ENGINEER (PROJECT) Bokaro Steel Plant	1. Maintenance of sub-station, distribution system of township, maintenance of Bokaro General Hospital and captive diesel generator set. 2. Testing and commissioning of Electrical installations and stabilization in CCP, Skin Pass Mill and 5# Tandem Mill
7	JUNE1978 To JUNE1986	DIVISIONAL ENGINEER (PROJECT) Bokaro Steel Plant	Testing and commissioning of Electrical Installation with their optimization & stabilization in different zone of BOKARO STEEL (STEEL, MELTING SHOP, BLAST FURNACE, THERMAL POWER PLANT, CCP AND RMHP)
8	MAY 1971 To JUNE 1978	A.D.E. & A.E. Bokaro Steel Plant	Testing and commissioning of Electrical Installation with their optimization & stabilization in different zone of BOKARO STEEL(COKE-OVEN, SINTERING PLANT,B.F., SMS, SLABBING MILL, HOT STRIP MILL AND COLD ROLLING MILL)

DETAILS OF INDUSTRIAL EXPERIENCE:

1. Testing and commissioning of wagon tippler, coal crushing machine, coal charging machine, pusher car and conveyor transporting system in Battery No.4 of COKE OVEN PLANT of BOKARO STEEL PLANT. The job involve the power system, interlocking, protection, control and synchronization for full production of during May 1971 to October1972.
2. Starting and stabilizing of dispatcher control of SINTER PLANT.
3. Testing of 92 no. of 12 phase rectifier transformer for SLABBING MILL, HOT STRIP MILL and COLD ROLLING MILL. The job involves the checking of vector group, $\tan \delta$, insulation testing, sovtaI filling in tank and bush connection. During the period November 1972 to October 1973.
4. Commissioning of crop shear drive of Slabbing Mill. The job involved testing of 2X2000 KW D.C. reversible motor, powered through mercury arc rectifier and excited through thyristor, controlled by ybcr (Russian automatic feed back control system), their different protections including high voltage protection, grid protection, anode & cathode breaker for back fire of mercury arc rectifier, over current, over load protection and synchronizing stabilization with Mill during the period November 1974 to December 1974.
5. Commissioning of Slitting Line of HRCF line. The job involved testing of 17 taps 6-phase auto transformer of line, tension reel drive comprising of reversible motor powered with mercury arc rectifier with thyristorised excitation with controlled by ybcr including their protection and synchronization for production during the period January 1975 to August 1975.
6. Testing and commissioning of 4# tandem Mill. The job involved testing of 2X5000 KW D.C. reversible motor, powered through mercury arc rectifier and excited through thyristor, controlled by ybcr (Russian automatic feed back control system), Roll force and screw down gauge control, their different protections including high voltage protection, grid protection, anode & cathode breaker for back fire of mercury arc rectifier, over current, over load protection and synchronizing stabilization with Mill during the period September 1975 to December 1976.
7. Testing and commissioning of six no. of main drives of SKIN PASS MILL in Cold Rolling Mill and Main Drive & Tension Bridle of Skin Pass Mill during the period FEB 1975 to September 1975
8. Worked for Commissioning of Blast Furnace No.-3. The job involved SKIP HOIST for material charging in the furnace with 500 KW reversible dc motor with Ward Leonard method with protection and programming of charging sequence including load cell for weighing of material in Skip hoist(from October 1977 to March 1978).
9. Commissioning of 7th Main Stand of finishing area of Hot strip Mill. The job involved testing of 2X6750 KW D.C. reversible motor, powered through mercury arc rectifier and excited through thyristor, controlled by ybcr (Russian automatic feed back control system), Roll force and screw down gauge control, their different protections including high voltage protection, grid protection, anode & cathode breaker for back fire of mercury arc rectifier, over current, over load protection and synchronizing, stabilization and loop control with Mill during the period MAY 1978 to February 1979.
10. Installation of Electrical equipment for commissioning of **first unit** of 300 Tones L.D. Converter of STEEL MELTING SHOP. Testing of Lance Mechanism for blowing of Oxygen to converter for STEEL MAKING with all interlocks and protections circuit during the period March 1979 to December 1979.
11. Testing and commissioning of unit-1, 60 MW captive power plant's ID & FD fans, Generator (11 KV) testing, generator transformer (11KV/132KV) and successfully synchronizing with the power grid of plant during the period Feb1980 to December 1980.

12. Installation of electrical equipment in Blast Furnace no -4 and testing & commissioning of different mechanism as an Incharge and coordination with the lateral department during the period March 1981 to January 1982.
13. As an I/c of Testing and commissioning of unit- 2, 60 MW captive power plant's ID & FD fans, Generator (11 KV) testing, boiler equipment, generator transformer (11KV/132KV) and successfully synchronizing with the power grid of plant during the period Feb1982 to December 1982.
14. As an I/c Installation of Electrical equipment for commissioning of **Second unit** of 300 Tones L.D. Converter of STEEL MELTING SHOP. Testing of Lance Mechanism for blowing of Oxygen to converter for STEEL MAKING with all interlocks and protections circuit during the period March 1983 to December 1983.
15. As an I/c of Testing and commissioning of unit- 3, 60 MW captive power plant's ID & FD fans,boiler equipment, coil handling plant, Generator (11 KV) testing, generator transformer (11KV/132KV) and successfully synchronizing with the power grid of plant during the period Feb1984 to June 1985.
16. To meet the emergency power supply to water pump house no.2, as an incharge of installation and commissioning and coordination with lateral department, of three no. of diesel generator set of 2MW each and successfully synchronized with the system during the period July 1985 to May1986.
17. Worked as an incharge of maintenance of town ship of Bokaro Steel city and Bokaro General Hospital of 5000 beds with all modern medical equipment supplied by USSR with captive diesel generators (100 kva,60kva,50kva) with auto start and stop for Bokaro General hospital, planning for consumable, preparation for proposal, estimation and tendering and procurement during the period June 1986 to September 1987.
18. As a Zonal Engineer in charge assigned for the commissioning of compressor plant no. 2. Five units 1000 KW synchronous motor of 11 KV a.c. supply and 110-amp excitation voltage supplied through thyristor power control with logical interlocking with the compressor speed of 11000 rpm was successfully commissioned and put in operation during the period October 1987 to March 1988.
19. As a in charge assigned for commissioning of SKIN PASS MILL of COLD ROLLING MILL. The mill equipped with one 4-high Main drive, Tension Reel drive, Pay off Reel drive, two number of Tension bridle drive and number of auxiliaries drive, high voltage sub-station feeding power to mill. The mill drives were powered with BHEL converter and control with Siemens siemadyne-C feedback control and for command to equipment of mill S-3 PLC with 6K I/O signals were used for control of the mill, Software Step-3 was used for overall control of mill. The mill was successfully commissioned and put in operation during the period March1988 to August 1988.
20. Assigned the job for commissioning of 5- Stand Tandem Mill equipped with WEAN UNITED (USA) mechanical and Siemens-BHEL electrics. The mill capacity was to produce up to 0.15 mm thick strip with auto gauge control with the help of regulation computer, optimization computer, 12K digital I/O signals processing with S-3 PLC and the mill was successfully commissioned and put in operation for normal production during the period August1988 to August 1989.
21. Assigned as an in charge the job for commissioning of special equipment's of COLD ROLLING MILL like DATA logging system of all units of CRM, measuring of thickness coating of zinc on galvanizing line, electronic weighing system of all units of CRM, voice communication of all units of CRM and defects removal & stabilization of all the commissioned units during the period November 1989 to June 1991.
22. Since July 1991 assigned the job for production and maintenance of DOUBLE COLD REDUCTION MILL as a Manager in charge. The assignment was to liquidate the breakdown, coordination with lateral department, projection of inventory and scheduling of production.

23. Since July 1992 responsibility was as an in charge for production and maintenance of DCR MILL, Continuous Cleaning and Annealing Line and Electro Cleaning Line. Due to stoppage production of S-3 PLC equipment by Siemens, job was assigned for change over of S-3 by S-5 PLC.
24. Coordination with Siemens India, engineering of equipment and offline preparation of equipment, testing of equipment, loading of software, running of software and their testing by simulation of 10K digital I/Finally S-3 PLC was replaced by S-5 PLC and the job was completed within a record period of shutdown of 15 days in the year 1999.
25. Since July 2002 the job was assigned for Planning and procurement of process consumables for smooth running of Cold Rolling Mill e.g. Rolling oil, Chemicals, raw materials and packaging materials and tools (app, Rs 120 crore). Coordinating training programmed for executives and non-executives (app. 2500 employees). Main coordinator for ISO 14001:1996 EMS and ISO 9001:2000 QMS.

6.) POST RETIREMENT ASSIGNMENT:

- (1) **ISPAT INDUSTRIES LIMITED**, Navi Mumbai. From Dec. 2004 to Jan 2006
- (2) **EMPIRE INDUSTRIES** from Feb 2006 to June 2006.

7). MAJOR ASSIGNMENTS AND ACHIEVEMENT:

- 1) I/O & drawing finalization, installation, commissioning and stabilization of DCR MILL with S-5 PLC.
- 2) Design of hardware and software of CCAL exit PLC, installation, commissioning and stabilization of S-5 PLC.
- 3) Installation, Testing and commissioning of 3 No. of 3.3 KV captive Diesel Generator set to meet the emergent requirement for water supply system.
- 4) Installation, Testing and commissioning of Nucleonic Data System zinc coating measuring machine in Hot Dip Galvanizing Line.
- 5) Testing and commissioning of 80MVA, 11/ 132KV power transformer with all protection circuits.
- 6) Testing of Rectifier Transformers (Six phases & Twelve phases about 60 No. for Hot Rolling Mill and Cold Rolling Mill).
- 7) Liquidation of commissioning defects and stabilization of Cold Rolling Mill.
- 8) Installation and commissioning of Nitrogen compressor plant for Blast Furnace in Bokaro Steel Plant through Empire Industries Limited, Mumbai.

8). AWARDS:

1. Awarded Metallurgical award for commissioning of 5# Tandem Mill in 1989.
2. Special award by Managing Director, Bokaro Steel Plant for defects removal and starting of Die Cutter in Corrugated Sheet Shearing Line.

K.P.SINGH
ALLAHABAD
DATE : 2-2-2013