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| R E S U M E |



**Name DARSHAN SINGH LIDDER**

**Father’s Name Sh. KISHAN SINGH**

**Date of Birth 12th July, 1955**

**Place of Birth Vill: Dhanauri, Distt: Rupnagar, Punjab (India)**

**Qualification B.Sc Engg (Electrical) in 1978 from Punjab Engineering College, Chandigarh.**

**M.Tech (Electrical) in 2000 in Power System from Guru Nanak Engineering College, Ludhiana.**

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| **CAREER OBJECTIVE** | | | | | |
| Seek to Join an Organization which deals in Erection, Testing, Commissioning, Operation & Maintenance of Thermal Power Projects that can exploit my vast professional expertise to the maximum while providing me versatile exposure, challenging responsibilities, independence of thoughts and an opportunity to grow in tandem with the organization. | | | | | |
| **EDUCATION RECORD** | | | | | |
| **Year** | | **Course** | **Marks** | **Institution** | **Board/University** |
| 1971 | | Matriculation | 81.33% | G.M.N.High School, Rupnagar | Punjab School Education Board. |
| 1974-78 | | B.Sc. Engg.  (Electrical) | 75.20%  With hons. | Pb. Engg. College, Chandigarh | Punjab.University,  Chandigarh. |
| 1997-2000 | | M.Tech.  (Electrical) | 61% | Guru Nanak Engg. College, Ludhiana | Punjab Technical Univ. Jalandhar |
| **TRAININGS** | | | | | |
| 1. 1. 1. | Attended Operation & Maintenance Training of Hydro Power Station from 12-2-1981 to 8-7-1981 at 6x60MW+ 2x75MW Balimela Hydro Power House, Orrisa. | | | | |
| 2.2. 2. | Attended the 2 weeks programme of “A Course in General Management” at Power Management Institute, National Thermal Power Corporation, NOIDA from 22-3-04 to 3-4-04. | | | | |
| 3. | Attended the one week residential “Management Programme” at Yashwantrao Chavan Academy of Development Administration (YASHADA) PUNE from 14-3-11 to 19-3-11. | | | | |
| **ACHIEVEMENTS** | | | | | |
| 1. | During 2009-10 from 8/2009 to 3/2010, 6042 Million Units of energy were generated against target of 5293M units and achieved the Annual Plant Load Factor of 96.44% at GHTP Lehra Mohabat. | | | | |
| 2. | During March, 2010, the combined PLF of all the four units of Guru Hargobind Thermal Plant, Lehra Mohabat, Distt.Bathinda (Pb), was highest ever 103.21% out of which on 25 days during the month it was more than 103%. | | | | |
| 3. | During March, 2010 on 12-3-2010 all the four units of Guru Hargobind Thermal Plant, Lehra Mohabat, Distt.Bathinda (Pb), achieved combined highest ever single day PLF of 104.42% and on 14-3-2010 the two units of stage-I achieved a combined highest ever PLF of 106.26%. | | | | |
| 4. | During 2009-10 Guru Hargobind Thermal Plant, Lehra Mohabat, Distt.Bathinda (Pb) Unit-1 completed 195.41 days of continuous running (without any tripping). | | | | |

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| 5. | To save energy, the hydrogen cooling water booster pumps header of GHTP Lehra Mohabat Unit-1 & 2 were inter connected by designing & laying a special 350nb header within the existing equipments lay out which saved lot of power during winter season when only one pump was required to run instead of two as per earlier practice. | |
| 6. | To save energy, the hotwell makeup pumps header of GHTP Lehra Mohabat Unit-1 & 2 were inter connected by designing & laying a special prefabricated 150nb header within the existing equipments lay out which saved lot of power as normally only one pump was required to run in steady state conditions of the units instead of two as per earlier practice. | |
| 7. | During 2003-04, achieved 14% Transmission & Distribution Losses of the Distribution Division, Bathinda in comparison to 27% overall average losses of the PSPCL. | |
| **SPECIAL ASSIGNMENTS** | | |
| 1. | Investigated the loss of generaton at Guru Nanak Dev Thermal Plant, Bathinda. as a member of the committee constituted by Punjab State Power Corporation Limited to enquire into . | |
| 2. | As head of constituted committee analyzed the reasons and suggested remedial measures to prevent rise in water level of micro hydel channel supplying water to 2x850KW micro hydel power house at GGSSTP,Rupnagar. | |
| 3. | As head of the constituted committee investigated and gave suggestions regarding the Low Vacuum problem of 210 MW unit-5 of GGSSTP, Rupnagar. | |
| 4. | I had been head of the committee constituted to study and suggest re-adjustment to rationalize the present available strength of AEEs/AEs at GGSSTP,Rupnagar. | |
| 5. | I had been a member of House Allotment Committee, GGSSTP,Rupnagar for allotting houses to Officers & Subordinates in GGSSTP,Rupnagar. | |
| 6. | As a member of High Empowered Integrity Committee screened the cases of Non Gazetted Employees of GGSSTP,Rupnagar for allowing continuation in service beyond the age of 50/55 years. | |
| **EXPERIENCE** | | |
| **Period** | | **Detailed Description of Work** |
| 5/79 to 4/82  (3 years) | | Joined **National Hydroelectric Power Corporation** as **Electrical Engineer** and posted at Loktak Hydro-Electric Project Manipur and jobs carried out were:-   * Erection of 3x130 MW Hydro Turbine & Generator * Commissioning of 3x130 MW Hydro Turbine, Generator, Governing System and other Auxiliaries. * Attended Operation & Maintenance Training of Hydro Power Station from 12-2-1981 to 8-7-1981 at 6x60MW+ 2x75MW Balimela Hydro Power House, Orrisa. |
| 4/82 to 5/83  (1Yr. 1 month) | | Joined **Himachal Pardesh State Electricity Board**, Shimla as **Assistant Engineer** **Electrical**   * Designed the layout and equipment of 2x2 MW Rongtong Hydroelectric Power House in Lahaul & Spiti Distt. of Himachal Pardesh. * Purchased the Turbine, Generator & Control System for Rongtong Hydroelectric Power House by floating Global tenders. |

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| **Joined wrest while Punjab State Elecy. Board now called as Punjab State Power Corporation Limited on 1-6-1983 as Trainee Engineer Electrical and was posted at various places and promoted to various levels from time to time i.e. Assistant Engineer, Assistant Executive Engineer, Sr. Executive Engineer, Addl. Superintending Engineer, Superintending Engineer & then Dy. Chief Engineer. The detail of work/jobs carried out at different levels is as below:-** | |
| 6/83 to 4/84  (11 month) | **Trainee Engineer Electrical**   * Attended training at Technical Training Institute, Patiala and was imparted training in respect of service rules & regulations of PSEB employees. * Attended training regarding rules & regulations of sale of power & commercial accounting system in PSEB. * Attended training in Power Distribution and Maintenance of Distribution System. |
| 5/84to 2/87  (2Yr. 10 month) | **Assistant Engineer Electrical** and posted in Operation Circle Shift-D1 as AE/Turbine at GGSSTP Rupnagar.   * Commissioning of Turbine, Generator & other auxiliaries of 210 MW unit-1 & 2 of GGSSTP,Rupnagar * Operation of Turbine, Generator & other auxiliaries like 3x4 MW Boiler Feed Pumps, Condensate Extraction Pumps, Condenser Water Pumps, 6.6 KV Switchgear & 220KV Substation of 210 MW unit-1 & 2 of GGSSTP,Rupnagar. |
| 2/87 to 3/89  (2Yr. 1 month) | **Assistant Engineer Electrical** and posted in **TG Mtc.** Cell under Mech.Mtc. Circle at GGSSTP Rupnagar.   * Replacement of 210 MW Generator Rotor twice of GGSSTP Unit-1 in quick succession in a shortest possible time of 12 days due to Rotor Earth Fault. * Commissioning of Turbine, Generator & other auxiliaries of 210 MW unit-3 & 4 of GGSSTP,Rupnagar * Preventive/ Breakdown maintenance and overhauling of 4x210MW Steam Turbine (KWU design), Turbo-Generator and their auxiliaries like Governing system, Hydrogen seal oil system, Generator Stator Water cooling system. Turbine Gen. Lub oil system, High Pressure & Low Pressure By pass System, Condenser etc. at Guru Gobind Singh Super Thermal Plant, Rupnagar. * Planning & purchase of Spares for Turbine, Generator, Governing System, Leakoff Steam Control Valves, Hydrogen Seal Oil System and HP & LP Bypass Valves etc. |
| 4/89 to 8/95  (6Yr. 4 month) | **Promoted as Assistant Executive Engineer** and posted in **TG Mtc.** Cell under Mech.Mtc. Circle at GGSSTP Rupnagar.   * Commissioning of Turbine, Generator & other auxiliaries of 210 MW unit-5 & 6 of GGSSTP,Rupnagar * Preventive/ Breakdown maintenance and overhauling of 6x210MW Steam Turbine (KWU design), Turbo-Generator and their auxiliaries like Governing system, Hydrogen seal oil system, Generator Stator Water cooling system. Turbine Gen. Lub oil system, High Pressure & Low Pressure By pass System, Condenser etc. at Guru Gobind Singh Super Thermal Plant, Rupnagar. * Capital Overhauling of HP Turbine, IP Turbine & LP Turbine of GGSSTP Unit-1, 2 & 3. * Replacement of 210MW Generator Stator of Unit-2 of GGSSTP, Rupnagar with a new Stator. * Rehabilitation & repair of 210 MW KWU Turbine Unit-4 of GGSSTP Rupnagar which was damaged due to motoring action. The LP Turbine casings & rotor were uprooted and got repaired at BHEL manufacturing plant at Hardwar & after repair the same were re-erected and commissioned. * Replacement of damaged 210 MW Generator Stator of Unit-4 (damaged due to stator earth fault caused by melting of Stator core) of GGSSTP, Rupnagar with a new Stator. * Planning & purchase of Spares for Turbine, Generator, Governing System, Leakoff Steam Control Valves, Hydrogen Seal Oil System etc. |

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| 8/95 to 2/96  (6 months) | Transferred & Posted as **A.E.E. Testing & Commissioning** Ludhiana in Power Line Carrier Communication under PSPCL.   * Maintenance of Power line Carrier Communication Systems Control Panels at 66KV, 132 KV & 220 KV Substations under PSPCL. |
| 2/96 to 4/98  (2Yr. 2 month) | **Assistant Executive Engineer Electrical** and posted in Operation Circle Shift-C3 as AEE/Turbine at GGSSTP Rupnagar.   * Operation of Turbine, Generator & other auxiliaries like 3x4 MW Boiler Feed Pumps, Condensate Extraction Pumps, Condenser Water Pumps, 6.6 KV Switchgear & 220KV Substation of 210 MW unit-5 & 6 of GGSSTP, Rupnagar. |
| 4/98 to 2/2001  (2Yr.10 month) | Transferred & Posted as **Assistant Executive Engineer Electrical in TG Mtc. Cell at Guru Hargobind Thermal Plant, Lehra Mohabat Distt. Bathinda.**   * Established new Turbine Generator Maintenance Cell at GHTP Lehra Mohabat which was under construction. * Designed & implemented all the procedures & documentation for proper monitoring of parameters and preventive maintenance of various equipments of 2x210MW Turbine , Generator and their auxiliaries. * Commissioned 210 MW KWU Turbines & Generators & their auxiliaries of unit-1 & 2 at GHTP Lehra Mohabat. * Repair & rehabilitation of 210MW KWU Turbine of Unit-1 GHTP Lehra Mohabat which was damaged due to oil starvation of Turbine bearings. The HP Turbine, IP Turbine & LP Turbine were uprooted from the base and got repaired and re-bladed at manufacturing unit of Bharat Heavy Electricals Limited at Hardwar. * Pursuing & inspection of above repair & re-blading work at BHEL manufacturing unit in Hardwar. * Re-erection of HP Turbine, IP Turbine & LP Turbine after repair & reblading, re-commissioning of the unit. * Solved the chronic problem of low vaccum in condenser of Turbine Unit-1. * Planning & purchase of Spares for Turbine, Generator, Governing System, Leakoff Steam Control Valves, Hydrogen Seal Oil System, Stator Water System Hp & LP Bypass Valves etc. |
| 2/01 to 6/03  (2 yr 4 months) | Transferred & Posted as **Assistant Executive Engineer** **Balance of Plant** within Guru Hargobind Thermal Plant, Lehra Mohabat Distt. Bathinda.   * Maintenance and overhauling of Balance of Plant System like De-mineralizing Plant, Hydrogen Gas producing plant, 15000m3/Hr. Vertical pumps and various other vertical & Horizontal pumps. Instrument Air compressors, Service Air Compressor System, 3x115TR Central Air Conditioning System, Emergency Diesel Generating Sets , Ash water recovery system etc. of 2x210MW units. * Operation of Hydrogen Gas Producing Plant to produce Hydrogen Gas at its optimum capacity. * Solved the acute problem of moisture in instrument air by providing moisture traps & proper maintenance of Heat of Compression Silica Gel Dryers & Proper & timely maintenance of Air Compressors. * Operation of Plant Drainage System. * Planning & purchase of spares for Air Compressors, CW Pumps, Raw Water Pumps, H2 Cooler Booster Pumps, Hotwell makeup Pumps, Air Conditioning Compressors, DM Plant & other misc. pumps, Piping & Valves etc. |

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| 7/03 to 12/03  (6 months) | **Promoted as Sr.Executive Engineer** and posted in Enforcement Wing Sangrur.   * Checking & implementation of Sale of Power Regulation Rules of PSPCL for domestic, commercial & industrial consumers. * Checked all the Rice Shellers during paddy season & imposed heavy penalties on defaulting consumers. * Investigated the complaints & enquiries regarding impropriety by PSPCL Officials/consumers. |
| 1/04 to 2/05  (1yr.1 months) | Transferred & posted as **Sr. Executive Engineer Distribution Division, Bathinda**   * Distribution of Power and maintenance of Power distribution system in respect of domestic, commercial and industrial power consumers. * Maintained 11KV Distribution Substations, 440 Volt and 230 Volt Power Systems. * Measurement of Metering of Large Supply Industrial Power Consumers, Sealing of the Metering equipments, Billing & realization of revenue. * Achieved 14% Transmission & Distribution Losses of the Division in comparison to 27% overall average losses of the PSPCL. |
| 2/05 to 7/09  (4yr.5 months) | Transferred & Posted as **Sr. Executive Engineer** **Balance of Plant** Guru Hargobind Thermal Plant, Lehra Mohabat Distt. Bathinda and re-designated as **Addl. Superintending Engineer in 8/2007.**   * Maintenance and overhauling of Balance of Plant System like De-mineralizing Plant, Hydrogen Gas producing plant, 15000m3/Hr. Vertical pumps and various other vertical & Horizontal pumps. Instrument Air compressors, Service Air Compressor System, 3x115TR Central Air Conditioning System, Emergency Diesel Generating Sets , Ash water recovery system etc. equipments of 2x210MW. * Operation of Hydrogen Gas Producing Plant to produce Hydrogen Gas at its optimum capacity. * Operation of Plant Drainage System. * To save energy, the hydrogen cooling water booster pumps header of Unit-1 & 2 were inter connected by designing & laying a special 350nb header within the existing equipments lay out which saved lot of power during winter season when only one pump was required to run instead of two as per earlier practice. * Commissioned Air Compressor System, Emergency Power Diesel Generating Sets, De-mineralizing Plant, Condenser Cooling Water Pumps & its System, Air Conditioning System, Auxiliary cooling water system, Auxiliaries D.M.Water cooling system & Raw water pumping system of newly constructed 2x250MW Unit-3 &4 of Guru Hargobind Thermal Plant, Lehra Mohabat. * Maintained and stabilized newly erected Rotary Air Compressors having acute problem of seizures. * To save energy, the hotwell makeup pumps header of Unit-1 & 2 were inter connected by designing & laying a special prefabricated 150nb header within the existing equipments lay out which saved lot of power as normally only one pump was required to run in steady state conditions of the units instead of two as per earlier practice. * Planning & purchase of spares for Air Compressors, CW Pumps, Raw Water Pumps, H2 Cooler Booster Pumps, Hotwell makeup Pumps, Air Conditioning Compressors, DM Plant & other misc. pumps, Piping & Valves etc. * Prepared tender specifications, floated tenders & finalized the contracts cum work orders for preventive/breakdown maintenance & overhauling of Air Compressors, Pumps, Valves, Air Conditioning Compressors, DG Sets, Hydrogen Gas Plant, DM Plant & CW Pumps etc. |

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| 8/09 to 2/11 (1yr.7 months) | Promoted as **Superintending Engineer** and posted as Superintending Engineer/Operation of 2x210MW & 2x250MW Coal fired Thermal Plant units of Guru Hargobind Thermal Plant, Lehra Mohabat, Distt.Bathinda (Pb). Further, re-designated as **Dy.Chief Engineer in 9/2010**.   * Operation of Turbine, Generator & other auxiliaries like 3x4 MW Boiler Feed Pumps, Condensate Extraction Pumps, Condenser Water Pumps, 6.6 KV Switchgear & 220KV Substation of 210 MW unit-1 & 2 & 2x250MW unit-3 &4 of Guru Hargobind Thermal Plant, Lehra Mohabat, Distt.Bathinda (Pb). * The limiting parameters of 2x210 MW and 2x250MW units were identified and safe operating limits of these parameters were specified. The operating engineers and staff were educated to slowly increase the generation till the specified safe limits of the limiting parameters was achieved. This way the generation of 2x210MW & 2x250MW units was increased and a combined PLF of 103.21% was achieved. * Boosted the courage and moral of the operating engineers by educating & making them aware of the critical parameters of the units and limits thereof. This helped in attending the fault on station transformer by taking the station transformer out of circuit in the running unit. * Formulated the Cold Start Up, Warm Start Up & Shutdown Procedures of 210MW & 250MW units to eliminate any type of lapses & human/judgment error while starting up and stopping the units which helped in cutting down the start up time from 12 hours to 7 hours and early stabilization and full load operation of the units. * Designed & prepared specifications for Chemical Treatment of CW Water to control corrosiveness, scaling & bio-fouling action of CW Water on the Condenser Tubes & on Tubes of other Heat Exchangers. Floated the tenders and finalized the work orders. |
| 3/2011 to 2/10/2012  (1yr. 8 month) | **Transferred** & Posted as **Dy.Chief Engineer/Mechanical Maintenance Circle II** at GGSSTP, Rupnagar.   * Preventive/Breakdown maintenance and overhauling of 690Ton Coal fired CE design Boilers, Coal Mills, ESPs, Wet and Dry Ash Handling System and other auxiliaries of 6x210MW Guru Gobind Singh Super Thermal Plant, Rupnagar. * Annual overhauling of GGSSTP Unit-1,2,3.4,5 & 6 was carried out in which the eroded and weak boiler tubes were replaced and healthy Air Preheater basket elements were reversed and damaged basket elements were replaced. Especially the overhauling of Unit-4 was completed in 33 days instead of specified 45 days in spite of the fact that 40 collecting electrode plates of Electro Static Precipitator were replaced for the Ist time. * Chemical cleaning of Unit-1 & 3 Boilers was carried out to remove the Silica deposits scale inside the boiler tubes. * The Air preheater Hoppers and Duct Hoppers were converted from wet mode to dry mode to increase the collection of dry fly ash. * Prepared Specifications, floated tenders & finalized the Purchase of new Reheater Assemblies for 210 MW Unit-1 & 2 to replace the existing aged Reheater Assemblies to minimize the Boiler Tube Leakages. Placed Purchase Orders & Worked Order for replacement of Reheater. * The DM Water consumption was reduced to 1.14% which was the upto-date minimum DM Water consumption of the plant. * Prepared specifications, floated tenders & finalized the contracts for Preventive / Breakdown maintenance and overhauling of 690Ton Coal fired CE design Boilers, Coal Mills, ESPs, Wet and Dry Ash Handling System and other auxiliaries. * The coal mills of GGSSTP Unit 3 & 4 were modified by replacing the conventional Ni-hard Grinding Rolls & Bull Ring Segments of coal mill XRP-803 with Sintercast Grinding Rolls & Bull Ring Segments. The Separator bodies were also replaced with Airport Assemblies. It increased the life of the grinding parts from 3000 running hours to 10000 running hours. * The auxiliary consumption was achieved 8.43% which was the minimum till date. |

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| 10/12 to 07/2013  (10months) | **Transferred** & Posted as **Dy.Chief Engineer/HQs,GGSSTP Rupnagar.**   * Establishment work of about 200 Officers and 3000 workers i.e. maintaining their Service records, Sanctioning of Earned Leaves, GPF Advances, Annual Increments & Pay Fixations, Time Bound Promotions Scale etc. * Fixation of Seniorities and Promotion of employees * Scrutinizing and allowing extension of service beyond the age of 50/55 years by examining their past performance. * Scrutinizing and sanctioning of Annual Estimates of Maintenance of different equipments of plant, Allocation of funds & monitoring thereof. * Management of GGSSTP schools & dispensaries. * Management of Audit Observations, * Insurance of Plant & incoming materials, * Handling of Public Information as Public Information Officer(PIO)under RTI Act. |
| Date of completion of job. | 31-07-2013 |
| 3/2014 to 12/2014 | Joined as **Senior Manager Purchase** in **Amtek Energy and Power Pvt. Ltd.Chandigarh**.   * Planning and design of capital equipment of 220 KV, 132 KV, 66 KV substations * Purchase of capital equipment like Circuit Breakers, Isolaters, Lightening Arresters,Power Transformers , Current and Voltage Transformers 7 Cables etc. of 220 KV, 132 KV, 66 KV substations. * Liasoning with equipment suppliers and timely dispatch of materials. |
| 4/2015 to 4/2016 | Joined as **General Manager** in **Hitech Power Controls Mohali** **( S.A.S. Nagar )**   * Design and manufacturing of Power and Control Panels, D.G. Synchronizing & AMF Panels, Power Distribution Boards, Motor Control Centers, Instrument Control Centers, Power Factor Correction Panels, Bus Duct and Bus Duct Trunking etc. * Visual Inspection and High Voltage testing of control panels. * Administrative control of manpower consisting of 50 persons. * Commissioning of panels at site. |
| 4/2016 to 9/2019 site temporarily closed due to Covid-19 | Worked as Maintenance Manager, Sapele Power PLC ( 3X120 MW ), Ogorode, Sapele, Delta State, Nigeria, (West Africa)   * Preventive and breakdown Maintenance of 120 MW BBC make two cylinder steam turbine, Turbo generator and its auxiliaries such as governing valves, condenser, condensate pumps, Boiler Feed Water Pumps, CW Pumps, generator cooler booster pumps, Fire pumps, Piping and Valves etc. of ST01 & ST02.of Sapele Power PLC * Preventive and breakdown Maintenance of 590 Ton BBC male gas fired boilers of ST01 and ST02 and its auxiliaries such as FD Fans, Gas burners, Cooling and Ignition Fans, LP and HP dosing pumps, piping and valves etc. * Preventive and breakdown maintenance of Electricl System like Turbo Generators, 330 KV/15.75 KV Power Transformers, 15.75 KV,3.3 KV and 415 V switch gear, field equipment, HT/LT motors and cables etc. of 3x120 MW Sapele Power PLC, Ogorode * Successfully repaired and rehabilitated 120 MW BBC make two cylinder steam turbine, Turbo generator and its auxiliaries of ST03 lying out of operation since July 2013. * Planning of spares and consumables for preventive and breakdown maintenance of 3x120 MW Steam Turbine, Generator, boiler and their auxiliaries and HT and LT switchgears etc. |

Notice Period Two Months

(**Er.DARSHAN SINGH LIDDER**).