

MANISH KUMAR PATHAK

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| Nationality | Indian |
| Year of Birth | 1986 |
| Address | 536/5, Sugar Mill, Prayag Puram, Naini, Prayagraj-211008 |
| Contact No. | 9532888222 |
| E-mail ID | pathak.18@gmail.com |
| Total Work Experience | 12.7 Years (Till now) |

KEY QUALIFICATIONS

Professional 2x25 KV Traction Sub-Station (AIS) & 132 KV/2 x25 kV traction sub-station (AIS) Expert and Consultant of Large Scale Infrastructure Facilities for Railways project (DFCCIL) and traction substation, Transmission line, LILO, erection, cable laying, protection scheme, relay setting with a career portfolio exceeding 4.5 yrs. in 2x25 KV Traction Substations, Sectioning & Paralleling post (SP) / Sub-Sectioning Paralleling Post (SSP) and Integrated Maintenance Depot (IMDs)/ Integrated Maintenance Depot (IMSDs), 132/ 2x25 kv traction Substation with /Substation Automation Systems (SAS) along with set up and engineering of Load Dispatch Centers / Energy Control Centers/Operational Control Centers for both traction substation and Railway TSS,SP & SSP Network

Soil Investigation Test, Borrow Soil Sample, Soil Resistivity Test, Traction Transformer Installation (40 MVA, 10 KVA, 100 KVA). Transformer Centrifuging work (BDV value, 60 kV). Installation of Control Relay panel (CRP), Earthing of panel (50x8 mm strip, 75x8 strips), cable laying & termination via Power cable. Installation of Lighting Arrestor (120 KV & 42 KV 9 KV), Current transformer (800-400-200/1-1-1) & Potential Transformer (132KV/2x25 KV/110 volt), and cable lying & termination. Installation of AC Distribution board & DC distribution board, Battery charger, Battery set (110 V, 55 cell, and 200 AH). Installation of 2 no. station Transformers (250KVA, 33 KV/440 V) and Cable laying termination 3.5 C X 300 sqmm. and 3.5C X 400 sqmm. Cable lying & termination (Control cable - 2C x 2.5 sqmm, 4C x 2.5 sqmm, 6C x 2.5 sqmm, 10C x 2.5 sqmm. 16x2.5 sqmm.) Cable lying & termination (Power cable -3.5C x 50 sqmm, 3.5C x 95 sqmm, 3.5C x 300 sqmm, 3.5C x 400 sqmm. Insulation resistance test form Meggar (5KV). Oil temperature indicator, Winding temperature indicator. Earth work erected from Earth mat, Raiser, Earth pit and Buried Rail. Buried rail is the major part of any PSI unit by using this system & using 13 mtr. Long rail and all the earth mat, Raiser, Earth pit are connected with input end of rail and the output is connected with main rail line in Phase and Neutral position.

EDUCATION AND PROFESSIONAL STATUS

Master of Technology (Power System) S.H.I.A.T.S ((Allahabad Agriculture Deemed University). In 2013
Bachelor of Technology (Electrical & Electronics Engineering) from G.B.T.University. In 2009

Journal

“Research article published in “International Journal of Innovative Research and Development” on the topic Development of detection system based on negative sequence current against internal faults of transformers”

Safety Course –

NBOSH (Health & Safety) at Work Award -30-07-2024

AWARD AND BONUS

Mott Macdonald Employee Performance Bonus – For Year 2021 (Outstanding)

EXPERIENCE SUMMARY

| Sl. No. | Period | Name of Organization | Designation |
|----------------|---------------------------|--|--|
| 1. | 2024 August - Present | Nippon Koei India Pvt. Ltd. | Deputy Manager -QS – (DAB & Arbitration) (S&T) |
| 2. | 2017 April – 2024 August | Mott MacDonald Private Ltd, India | Quantity Surveyor |
| 3. | 2015 April – 2017 April | Jaiprakash Associates Limited | Electrical Engineer |
| 4. | 2014 July - 2015 April | Cloud9 Securities | Quality & Maintenance Engineer |
| 5. | 2013 November – 2014 June | Jaiprakash Associates Limited | Electrical Engineer |
| 6 | 2009 July - 2011 June | Shree Engineering Works (Electrical & Mechanical Contactor | Site Engineer |

EXPERIENCE HISTORY

NIPPON KOEI INDIA PRIVATE LIMITED (27-08-2024 to till the date)

Client: Dedicated Freight Corridor Corporation of India Limited (WDFC, STP-5)

Project Value: 1780 Crore, Funded by JICA (Japan International Cooperation Agency)

Post - Deputy Manager QS - (D&A) (S&T)

- Dispute resolution process from DAB to Arbitration in the 1999 FIDIC Yellow book
- EOT (extension of time claims review and preparation)
- Delay claims preparation
- DAB comprises three members, each party selects one member for the agreement of the other Party and both Parties consult for the third member for the chairman position.
- The Dispute shall be settled by three arbitrators appointed in accordance with the rules.
- Contractor claims of prolongation review

MOTT MACDONALD PRIVATE LIMITED (24 -04-2017 to 23-08-2024)

Client: Dedicated Freight Corridor Corporation of India Limited (EDFC, CP-204)

Project Value: 847 Crore, Funded by World Bank, Client: DFCCIL

Post – Quantity Surveyor

Complete survey for the final site of the respective project.

- EOT (extension of time claims review and preparation)
- Checking the RFI for the quantity & work execution
- FIDIC yellow book
- Handling the billing and claims.
- Planning and execution of E&M associated works i.e. Electrical conduits and wiring at ALH (Auto location hut), RH (Relay Hut).
- ASS (Auxiliary Substation), Crossing station building, Staff quarters, Erection and commissioning of AT (Auxiliary Transformer).
- Erection and commissioning of lights/ fitting/ switch and socket, Laying of HT (High Tension)/ LT (Low tension) cable using for General power Supply etc.
- Find the quantity of OHE material from the GAD drawing.
- Find the quantity of TSS, SP, SSP material from the GAD drawing.
- Preparing the BOQ as per contract agreement.
- Making variation every month as per contract agreement.

- Reviewed and Engineering level planning as per the Electrical key plan, Electrical GAD, GAD of Control room building, fencing drawing, fencing foundation & boundary of fencing wall and retaining wall (as per soil bearing capacity)
- Execution of foundation work of overhead equipment's (OHE) and equipment foundation of 2x25 kV, 132/25 kV traction sub-station & switching stations after pertaining approval of working drawings from the client.
- Structure Erection of OHE works and Traction Sub-station, SP & SSP.
- Erection of OHE Structures (Masts, Brackets, SPS, and Insulators etc).
- Erection of Power Transformers (30 MVA), Auto Transformers (9MVA).
- Earthing & Bonding of OHE and Traction Sub-Stations & SWSs structures and equipment's.
- Stringing of Arial Earth wire, Catenary & Contact wires of OHE works.
- Conducting MRC of Contractor (L&T) Material at its Stores.
- Daily flow of Progress to higher Management.
- ASS (Auxiliary Substation), Crossing station building, Staff quarters, Erection and commissioning of AT (Auxiliary Transformer), Erection and commissioning of lights/ fitting/ switch and socket, Laying of HT(High Tension)/ LT (Low tension) cable using for General power Supply etc.

JAIPRAKASH ASSOCIATES LIMITED (21-04-2015 to 14-04-2017)

Post - Electrical Engineer (Prayagraj Thermal Power Project, Bara, Allahabad) 3*660 MW.

- 275 MVA, 21/765 KV single Phase transformer erection ,commissioning, testing
- 45 MVA , 21/11.5 KV thee phase transformer erection ,commissioning ,Testing.
- Transformer Centrifuging work (BDV value, 80 kV).
- Raiser earthing laying in transformer yard area from 40 mm.
- Transformer earthing from 25*3 and 50*6 using for protection device.
- Control cable laying and termination of transformer.
- Power cable laying and termination of trasformer.
- ID fan, FD fan, PA fan of Boiler erection, commisioning and testing.
- Cable trunch Perforated for control and ladder for power cable erection.
- Air washer cooling system installed for cable gallery and switch ger room also.
- Plant lighting insatllation in Boiler, Transformer, Switch gear room .
- Coal hadling plant lighting installation.
- Residence building wiring .
- OHE mast excavation and grouting for coal handling plant for electification.

CLOUD9 SECURITIES (01-07-2014 to 14-04-2015)

Post - Quality & Maintenance Engineer (CCTV CAMERA)

- Checking the quality of CCTV camera.
- Manitaince checking and slove the problem of Closed-circuit television (CCTV) camera.

JAIPRAKASH ASSOCIATES LIMITED (05-11-2013 to 26-06-2014.)

Post -Electrical Engineer (Prayagraj Thermal Power Project, Bara, Allahabad)3*660 MW.

- 275 MVA, 21/765 KV single Phase transformer erection ,commissioning, testing
- 45 MVA , 21/11.5 KV thee phase transformer erection ,commissioning ,Testing.
- Transformer Centrifuging work (BDV value, 80 kV).
- Control cable laying and termination of transformer.
- Power cable laying and termination of trasformer.
- Ligting arrestor erection and commissioning.
- Radiator checking leakage from air presurre.
- Dry transformer ersion, Commisioning and testing.
- Underground cabling works at 33 KV&11 KV in town area.

SHREE ENGINEERING WORKS (ELECTRICAL & MECHANICAL CONTRACOTR) (01-07-2009 to 30-06-2011)

Post - Site Engineer (Electrical)

- Oil centrifuging and BDV test.
- Preparing the testing report on MS-Office.
- Control cable laying and termination of transformer.
- Power cable laying and termination of transformer.

I hereby declare that all those information furnished above are to best of my knowledge.

Place:

Date:

(Manish Kumar Pathak)