



## MANISH RAJ PANDEY

**Mobile:** +966- 502115468, +91-8377090338

**E-Mail:** [mrpandey6010@rediffmail.com](mailto:mrpandey6010@rediffmail.com), [manish091979@gmail.com](mailto:manish091979@gmail.com),

Skype Id:- mrpandey6010

Seeking a challenging position in the organization which gives me wide opportunity to learn and grow, along with the growth of the organization

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### PROFESSIONAL ABRIDGEMENT

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A dynamic professional with near about **24 years** of rich experience in Project Management, construction

**Underground tunnel** work, metro station work, Hydro Project & shaft, TBM machine Herrenknecht

6.6M/7.1m Dia. fully PLC Control, EPB machine. Tam rock, gantry 40 t demag make, compressor, chiller plant

Control system of Batching plant and grout plant, STP 800 m<sup>3</sup>/hours commissioning and maintenance, Ventilation fan commissioning, 66kv substation operation, 11 KV/22kv HT line & distribution. Managing and proper utilization of materials & manpower.

◆ **Comprehensive experience in underground tunneling work, construction of Metro Rail Station.**

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### CAREER CONTOUR

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#### PROFESSIONAL PROFILES

**NOV.2022 to Till - date.**

**Manager Electrical Tunnel ( E&M Department Head)**

**ARCHIRODON GROUP ( SHA JV , Samsung – Hyundai – Archirodon ),**

**Neom NATM Tunnel project Lot 4&5, Saudi Arabia. ( 2 x 12.5 km tunnel NATM project 16 m dia.) with Shaft 6 m dia.**

Job Profile:-

† Erection, Maintenance and fault finding of Electrical equipment's Generators, Transformer, package substation, RMU, Ventilation fan, Dewatering pump systems, firefighting systems, compressor, Jumbo drilling, Charging car, Shotcrete machine, MAI pump for grouting, wastewater treatment plant

† Arrangement of materials, manpower and ordering of materials in Advance for smooth operation for the project.

† Planning & Design of the Panels, lighting required for surface and tunneling operation.

† Supervision of Installation & Commissioning of 10 MW, 400v/ 6600 v substation as per site requirement.

† Installation, Commissioning, 1250 / 630 kva DG set with synchronizing panel along with 2.5 MVA transformers & RMUs

† Installation, Commissioning, and Maintenance of Ventilation Fans 4x 200 kw, Pumps, electric compressor, chiller plant, Feed water pump, Firefighting, Dewatering systems, wastewater plant and other electrical

† Supervision of HT 6.6KV cable termination and Half coupler joint connection for Jumbo drill cable extension by **LOTO procedure.**

† Attending Safety walk and its meeting of all sites.

† Supervision of all sites and giving technical supports to our subordinate.

**Aug.2020 to OCT. 2022**

**Manager Electrical TBM (Electrical Head)**

**L&T heavy civil infra LTD, India**

**Bangalore Metro project RT-02**

Job Profile;-

- ✦ Erection, Maintenance and fault finding of 6.67 m dia. of slurry (TBM) twin tunnel 2x 2.76 km & STP, make CRCHI
- ✦ Arrangement of materials, manpower and ordering of materials in Advance for smooth operation for the project.
- ✦ Planning & Design of the Panels, lighting required for TBM surface and tunneling operation.
- ✦ Supervision of Installation & Commissioning of 14 MVA, 66kv/11kv substation as per site requirement.
- ✦ Installation, Commissioning, 1500 / 1010 kva DG set with synchronizing panel along with 4 MVA transformers & RMUs
- ✦ Installation, Commissioning, and Maintenance of Ventilation Fans 2x 55 kw, Pumps, electric compressor, chiller plant, cooling tower, grout plant, Dewatering systems, waste water plant and other electrical
- ✦ Supervision of HT 11KV cable termination and junction box connection for TBM cable extension by LOTO procedure.
- ✦ Attending Safety walk and its meeting of all sites.
- ✦ Supervision of all sites and giving technical supports to our subordinate

**March 2017 to OCT. 2019**

**Testing and commissioning Electrical Engineer ( DC in charge of 52 substations)**

**Secheron SA, Czech Republic**

**Project site: - Doha metro project (Red line, Green line, Gold line and Blue line) , Qatar**

**Job Profile: -**

- ✦ Testing and commissioning of all 750 volts DC traction substation equipment, MBS cubicles, Rectifier panel, Inverter, Negative and positive panels, voltage limiting device panel, High speed circuit breaker up to 6000A,
- ✦ PLC sepcos 2 software updating and fault finding, testing and commissioning, Scada LCC HMI update
- ✦ Insulation testing and Dielectric testing of DC equipment
- ✦ Manage man power and site equipment
- ✦ Site modification in DC cubicles as per client requirement.

**OCT. 2014 to FEB.2017**

**Site Engineer/Manager Electrical TBM Electrical (M1-B)**

**L&T Heavy civil infra, Doha Metro**

**ALYSJ JV(AKTOR – LARSEN & TOUBRO – Yapi merkezi – STFA – ALJABER ENGINEERING )**

**Project site:- Qatar Metro Rail project (Gold line metro project Ras bu abboud to Measerib 2 x 4.7 km TBM twin tunnel)**

**Job Profile**

- ✦ Erection, Maintenance and fault finding of 7.2 m dia. of EPBM (TBM) make Herrenknecht
- ✦ Arrangement of materials, manpower and ordering of materials in Advance for smooth operation for the project.
- ✦ Planning & Design of the Panels, lighting required for TBM surface and tunneling operation.
- ✦ Installation & Commissioning of 14 MVA substation as per site requirement.
- ✦ Installation, Commissioning, 1500 / 1010 kva DG set with synchronizing panel along with 4 MVA transformers & RMUs
- ✦ Planning of safety, quality and cost control from electrical side along with comparative statement.
- ✦ Attending external audit, internal audit and MOLSA audit in regular basis as per company contract.
- ✦ Installation, Commissioning, and Maintenance of Ventilation Fans, Pumps , 2x4.7 km H+E conveyor belt systems, Tower Crane, electric compressor , chiller plant, cooling tower, grout plant, Dewatering systems , waste water plant and other electricals
- ✦ Arrangement of tunnel communication systems used VMT Hades systems commissioning and maintenance.
- ✦ Installation, commissioning and maintenance of 500 kva, 200 kva, 125 kva compact substation 20kv/415 volts for cross passage and conveyor belt power.
- ✦ Supervision of HT 20 kv cable termination and junction box connection for TBM cable extension by LOTO procedure.

**July 2013 to SEP. 2014**

**Manager electrical tunnel & Underground Stations**

**Pratibha Industries Ltd**

**FEMC- Partibha JV**

**Project Site.**

**DELHI METRO RAIL PROJECT( cc-23) 2x3.2 km TBM tunnel**

## Job Profile

- ✦ Erection, Maintenance and fault finding of 6.57 m dia. of EPB machine make Hubei tiandi heavy industries, ltd And 6.6 m dia. of EPBM make Herrenknecht
- ✦ Arrangement of materials, manpower and ordering of materials in Advance for smooth operation for the project.
- ✦ Planning & Design of the Panel as required at the station & TBM tunneling operation.
- ✦ Installation & Commissioning of D.G. sets & panel as per site requirement.
- ✦ Installation, Commissioning, 1010 kva 5 no's DG set & 500 kva 1nos with synchronizing panel along with 2.5MVA transformer & VCB.
- ✦ Planning of cost control from electrical side along with comparative statement.
- ✦ Attending external audit and internal audit in regular basis as per company contract.
- ✦ Installation, Commissioning, and Maintenance of Ventilation Fans, Pumps , Gantry crane 45 Ton, Tower Crane, electric compressor

**Jan 2011 TO June 2013**

**Manager electrical tunnel & 5 no. of stations**

**Afcons Infrastructure Ltd.**

**AFCONS-TRANSTUNNELSTROY JV**

**Project Site.**

**CHENNAI METRO RAIL LIMITED( UAA-05)**

TRANSTUNNELSTROY- AFCONS JV, Design and Construction of Underground Station & Tunnel of shenoy nagar to Thirumangam ramp 2x4.2km tunnel. Chennai, India

## Job Profile

- ✦ Erection, Maintenance and fault finding of 6.6 mtr dia. of EPB machine make Herrenknecht and visited to china for Factory acceptance , testing and 10 days training programme.
- ✦ Arrangement of materials, manpower and ordering of materials in Advance for smooth operation for the project.
- ✦ Planning & Design of the Panel as required at the station & TBM tunneling operation.
- ✦ Installation & Commissioning of D.G. sets & panel as per site requirement.
- ✦ Installation, Commissioning, 1010 kva 5 no's DG set & 500 kva 3 nos with synchronizing panel along with 2.2MVA transformer & VCB.
- ✦ Planning of cost control from electrical side along with comparative statement.
- ✦ Attending external audit and internal audit in regular basis as per company contract.
- ✦ Installation, Commissioning, and Maintenance of Ventilation Fans, Pumping station, Gantry crane 40 Ton, Tower Crane.

**May 2009 to Jan. 2011**

**Assistant Manager Electrical**

**Acc concrete ltd**

**Greater Noida, UP**

**RMC batching plant maintenance and operation.**

Greater Noida, UP.

## Job Profile

- ✦ Arrangement of materials, manpower and ordering of materials in advance for smooth operation for the plant.
  - ✦ Installation, Commissioning, and Maintenance of RMC batching plants and compressor , D.G sets, Panels
  - ✦ Erection, Maintenance and fault finding of RMC batching plant plc and command alkon based.
- ✦ Erection, Commissioning, and Maintenance of 11 KV HT line distribution of supply for plant operation.
- ✦ Successfully Planning and maintenance of 12 RMC batching plants independently.

**SEP 2007 to MAY 2009**

**Shift Electrical Engineer Tunnel & Stations**

**METRO TUNNELING GROUP JV (Dywidag, L&T, Samsung, Ircon, Shimizu)**

**New Delhi, India**

**Project Site**

**Delhi metro project BC-18 Tunnel and station project by TBM.**

Malviya Nagar, New Delhi, **2x3.1km TBM tunnel**, India.

## Job Profile

- ✦ Engaged in erection and maintenance of L.T. & H.T. line.
- ✦ Erection and commissioning & trouble shooting of TBM Herrenknecht make, Dia 6.6 TBM EPB machine & also operating 3.2KM twin tunnel successfully without any disturbance.
- ✦ Trouble shooting of problem in TBM machine & Gantry crane 40 Ton, tower crane, gantry, ventilation fan, lighting
- ✦ Installation, Commissioning, 1010 kva 4 no's DG set & 500 kva 2 nos with synchronizing panel along with 2 MVA transformer & RMU.

**SEP.2005 to SEP. 2007**

**Electrical Engineer**

**Bumi developer India pvt ltd**

**Project Site****Railway tunnel project drilling and blasting, J&K****Job Profile**

- + Engaged in design, erection and maintenance of L.T. & H.T. line.
- + Engaged in D.G. Panel maintenance, welding sets & Ventilation fan with vfd starter, shotcrete pump, grout pump Project.
- + Trouble shooting of Atlas Copco Boomer, Electrical Compressor, concrete pumps, Panel.
- + Maintenance of all types of Computers & EPABX system and portable tools.
- + Surface electrical execution, cabling, Planning

**June 2000 to SEP. 2005****Electrical Engineer****Delta construction systems ltd****Delhi****Project Site****Delhi metro station and shaft project MC1B by cut and cover method and Pārbati hydroelectric (800MW) Tunnel project and shaft 19 mtr dia. by drilling and blasting****Job Profile**

Central sectariate and Amar cinema station by cut and cover method

+ Planning managing & controlling skilled workforce engaged in operation & maintenance of PLC control system of 120 Cum Schwing Setter Batching Plant

- + Engaged in design, erection and maintenance of L.T. & H.T. line.
- + Engaged in D.G. sets, Panel maintenance, welding sets & Ventilation fan with vfd starter, shot crete pump, grout pump Project.
- + Trouble shooting of Tam rock machine plc based, Electrical Compressor, concrete pumps, Panel.

**EDUCATIONAL CREDENTIALS****Technical Qualification**

: 1) Diploma in Electrical Engineering from J T Mahajan polytechnic college (MH) in 2000 (MSBTE) obtained 58.63 % marks (Regular course)

2) BE in Electrical engineering from Delhi institute of engineering studies, NCT of Delhi in 2008 (DIES) obtained 63.2% ( Part time)

3) **Certificate of competency class – I (Electrical supervisor) from Delhi.****Educational Qualification**

: 1) Matriculation from B.S.E.B. Patna, Aggregate (70%) In

**Training Program**

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- 1) **PLC S7 Siemens 300 training 6 days in Godrej pant in Vikhroli East, Mumbai.**
  - 2) **OSHA 30 hrs. Training in safety.**
  - 3) **12 days training in Herrenknecht factory in Guangzhou, china for Assembly of TBM machine.**
  - 4) **Caterpillar Gen set 2 day training in GEMMCO CAT office, In Chennai**
  - 5) **Lifting supervisor certificate by International Metro Civil Contractor in Delhi Metro Rail Project MC 1B Project dated 13<sup>th</sup> march 2003**
  - 6) **Confined space awareness and entry by Doha Industrial safety services**
  - 7) **Appreciation certificate 2016 by Qatar Rail CEO.**
  - 8) **Secheron’s DC substation equipments and practical training course certificate from Czech Republic (60 days training)**

**IT FORTE****Computer**

: Microsoft office, EIP, PLC

**Computer Hardware**

: Installation of Operating System. &amp; all software

**PERSONAL DOSSIER**PERSONAL DETAILS

**Name** : **Manish raj Pandey**  
**Father's Name** : **Late Umanath Pandey**  
**Date of Birth** : 09-08-1979  
**Language Known** : English, Hindi  
**Marital Status** : Married  
**Permanent Address** : Manish raj Pandey  
Sitapur kothi  
Sitapur,  
Saran, Bihar -841221  
India  
**PASSPORT NO.** : **U9727553**

**DECLARATION**

I hereby declare that the above-furnished statements given by me are true and correct to the best of my knowledge.  
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DATE :  
PLACE :

**(MANNISH RAJ PANDEY)**