

MUHAMMAD JALEEL

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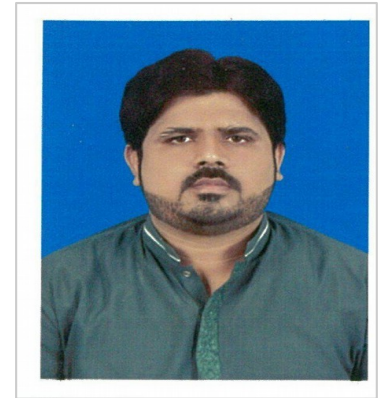
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Date of Birth 1st September 1990



Professional Summary

Have experienced in underground opening including single and twin head- race Tunnels at (NJHP). After my graduation I managed to accrue 5 years of working experience in Geotechnical Engineering which included primarily Underground Excavation and above ground excavation and also including quality control. One year experienced as research assistance in material testing labs UET Lahore.

Work Experience

03/2014-04/2019

Associated Consulting Engineers (ACE) Pvt. Pakistan.

Worked out with Associated Consulting Engineers (ACE) Pvt. Ltd. As junior Engineer Tunnels at Neelum Jhelum Hydroelectric Project, a Joint Venture between MWH-INT, NORPLAN, NDC, NESPAK and ACE (Pvt.) Ltd. Pakistan.

- Design methods of underground excavation and Performed all activities related to single and Twin head race tunnels excavation by advance excavation technique of Tunnel boring machine (TBM) and conventional technique of drilling and blast methods.
- Design , preparation, evaluate and verification Geological face logging for each blast to classify Rock-class and support system, issuing required essential support system(RESS) in each tunnel face.
- Estimate all protective measures for the crown and loose fall from the face,(provision of pull length, full face, and heading/benching ballast).
- Performed engineering design calculations related to underground excavation tools including advance technique (TBM).
- Design and analysis instability Tunnel wedges through unwedge software.
- Decided Rock Mass characterization for tunnels face based on RMR and Q-values.
- Probing and logging for exploration to next blast and recorded, plot and interpretation.
- Supervised the full face Concrete lining of Head-race Tunnels (Single and twin) with form-work including different concrete tests i.e. Slump, Core drilling etc.
- Presented methodology and involved in carrying out Rock bolt pull-out testing, verified performance.
- Monitoring and evaluation performance of early strength shotcrete (wet), consolidation and contact grouting, wire meshing, lattice girders, steel ribs and Rock bolting.
- Performed discontinuities Geological Mapping and rock mass surveys, quantitative description of rock mass discontinuities.
- Prepared the Daily, Weekly and Monthly Progress Reports.
- Field measurements and checking of Interim payment certificate (IPC's).
- Ensured designs and works are in accordance to safety and quality system.
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- Beside and above responsibility, I involved in group discussion of geotechnical investigation and in situ tests on site. Also participate in quality control implementation and save practices inside tunnels, on site and office.

Education

UET LAHORE

Msc. Tunneling and underground excavation Engineering.

2018-CONTINUE

➤ Synopsis of project.

Understanding the rock mass behavior in tunneling for the stability analysis; a case study of suki kinari Hydropower Project in the Northern part of Pakistan.

BUITEMS

BS. Geological Engineering/PEC registered# GEOLOGY/0255

(2009 –2013)

BISE DG KHAN
Intermediate (Pre-Eng.)

(2006 – 2008)

BISE DG KHAN
Matriculation (Science)

(2004 – 2006)

Languages

ENGLISH — INTERMEDIATE

URDU — PROFICIENT

TECHNICAL SKILL

- Analysis instability Tunnel wedges through unwedge software.
- Design excavation boundaries ,field stress, analysis displacement and support to rock through phase 2 software.
- Tunneling design, Advance Underground Excavation Engineering, Advance Explosive Engineering , Advance Rock mechanic and Engineering Geology..

References

- CARLOS MARTINEZ Chief Resident Engineer Lot C1 (NJHP)
- HUSEYIN KARAOGLAN Resident Engineer-Tunnels LotC1(NJHP)
- FAIZ HANIF SINDHU Resident Engineer – Geology LotC1 (NJHP).