

# Rehan Tahir Ul Hassan

(Mechanical Engineer)

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Tehsil & District Chakwal, Punjab, Pakistan



## ACADEMIC RECORD

- **2013-2017** Bachelor of Science in Mechanical Engineering from University of Wah with 3.11 CGPA.
- **2011-2013** Higher Secondary School Certificate from Government Post Graduate College, Chakwal with 74.27%.
- **2008-2010** Secondary School Certificate from District Public School for Boys, District Complex, Chakwal with 71.61%

## EXPERIENCE DETAILS

Organization	Designation	Tenure
<b>Daelim E&amp;C Co., Ltd</b> at 102 MW Gulpur Hydropower Project (GHPP) sponsored by KOEN,Daelim E&C and LOTTE E&C along with ADB,IFC (WB),KEXIM	Mechanical Engineer	28 <sup>th</sup> May,2018 – 04 <sup>th</sup> Feb ,2021
Nobel Packaging Pvt. Ltd.	Trainee Mechanical Engineer	1 <sup>st</sup> Sep ,2017 - 30 <sup>th</sup> Sep ,2017
Pakistan Ordnance Factories, Wah Cantt	Internee (Mechanical Engineer)	4 <sup>th</sup> Aug ,2016 - 1 <sup>st</sup> Sep ,2016

## **GULPUR HYDRO POWER PROJECT**

Gulpur Hydro power project is owned by Mira power limited having Korean Sponsors (consortium of KOEN, Daelim E&C Co., Ltd & LOTTE E&C). Daelim E&C and LOTTE E&C (both as EPC Contractor) for Civil & Hydraulic works & Andritz Hydro GmbH for Electro-Mechanical works. The gross head is about 60 meters. Kaplan Turbine (2X51 MW) are being installed on the discharge of 201meter cube per second of Poonch River.

### **JOB DISCRIPTION**

#### **Installation Part**

- Correspondence with Clients & Subcontractors regarding site related issues.
- Installation/Erection Inspections of 2x 51 MW Kaplan Turbines and Generators.
- Installation/Erection Inspections of 2x Penstocks (Steelliners). ( $\varnothing=6.7$ meters; L=77.8meters)
- Installation/Erection Inspections of Rails for TRCM (Trash Rack Cleaning Machine) and Cranes.
- Installation/Erection Inspections of Intake TRCM (Trash Rack Cleaning Machine) and Cranes (170 Ton Power House Gantry Crane, 30 Ton Power House Bridge Crane, 16 Ton Intake Gantry Crane & 48 Ton Spillway Gantry Crane).
- Installation/Erection Inspections of 4x Draft Tube Gates ,Intake 2x Roller Gates & 1x Intake Stoplog and 6x Spillway Radial Gates ,12x segments of Spillway Stoplog.

#### **Commissioning Part**

- Inspections of Turbine Systems such as Governor System, Shaft sealing system & Cooling water system.
- Inspection of HVAC system & Fire Fighting System.
- Inspection of Elevator & Intake TRCM (Trash Rack Cleaning Machine).
- Inspection of Radial & Roller Gates HPUs.
- Inspection of Cranes such as Bridge Crane, Gantry Cranes and Monorails.

#### **DLP (Defect Liability Period) Part**

- Monitoring overall Plant systems and communicate the defects to concern party.
- Maintaining PTW for concern parties.

#### **Office Work**

- DDC (Document & Design Control) work, Preparation of Progress Reports and Record Maintaining of Overall Trouble Reports related to Plant systems.
- Record maintaining work of Pre-Installation & Main Installation of Generator, Turbine & Gates.

## **NOBEL PACKAGING PVT LTD**

### **JOB DISCRIPTION**

- There I learnt about the manufacturing of different boxes such as standard boxes, die cut boxes, shelf ready packaging, pads & partitions etc.

## **PAKISTAN ORDNANCE FACTORIES**

### **INTERNSHIP DISCRIPTION**

- During this internship I visited the weapons factory & the bomb/ grenade factory. There I learnt about the various manufacturing processes & heat treatment processes.

### **TRAINING**

- TOYOTA 5S Methodology Training Program

### **SOFTWARE SKILLS**

- Pro-E, Solid Works, Ansys, MATLAB, PLC, Primavera P6.
- MICROSOFT (Word, Power point, Excel).

### **FLUENT LANGUAGES**

- English, Urdu & Punjabi