

Muhammad Irfan Landscape Engineer

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Personal Profile



A high performing Agriculture professional who has considerable 10 years' experience of working in Agriculture infrastructure, Horticulture, Construction, Landscaping, GIS(Geo-graphic information system) ARCGIS mapping, Design of hydraulic structures, Watershed management, Irrigation techniques (eg: surface, sub-surface, Drip, Sprinkler), Drainage and Flood prevention projects. Having a strong desire to work on exciting and diverse projects that really make a difference to people lives. I am committed to providing a high-quality service delivery to every client and project works, and is currently looking for an employment in an open, friendly and professional environment where ideas are shared and opportunities are provided.

I am aiming to develop a career in an organization where he contributes more with his better qualification and where I can grow better within a team focused environment.

Working Experience

1. **Design Engineer (Drip,Sprinkler,Raingun/HEIS) (Jan, 2020 to Date)**
Inter-Fret Consolidators Pvt Ltd, Hyderabad

Project: Sindh Irrigated Agriculture Productivity Enhancement (SIAPEP)
Responsibilities

- Survey agriculture sites and check the characteristics of Design such as; Type of crop (orchard or Row crop), type of soil and water, topographic condition of the land, source of water (canal or tube wells), source of power and collect other required information related to design.
- Working on complex spatial data modeling, GIS mapping and layout by using ARCGIS platform.
- Make Sketch of the site through GPS then prepare layout in AutoCAD Software.
- Plan and Designing of High Efficiency Irrigation System (Drip System- for Orchard and Row crop) by using hydraulic softwares.
- Prepare design sheets (Head loss calculation, Pump requirement; Diesel or Electric, calculate pump horsepower, Irrigation schedule, and Fertigation schedule) and B.O.Q. for the projects.
- Coordination with Consultant & Clients.
- Making progress reports of all activities under supervision.

**2. Landscape/Horticulture Manager
Spring Rose Landscape, Dubai**

(Jan 2018 To Dec,2019)

Project: Landscaping maintenance of Tecom Sites (Dubai Studio City, Dubai Science Park, Dubai Production City, Dubai International Academic City & Dubai Outsource city)

Responsibilities:

Landscaping maintenance and operations

- Lead a team of Landscaping staff
- Maintenance of indoor and outdoor plants
- Planting and maintaining indoor and outdoor plants, seasonal and perennial plants.
- Ordering Fertilizer and seasonal plants as per requirements.
- Weekly reports and monthly reports produce and submit to the director of Engineering.
- Weekly discussion and updated with Director of engineering.
- Monitoring all irrigation pumps, irrigation controller and Water line time to time.
- Scheduling Water pumps timing as per seasonal requirements.
- Train the staff for lacking areas and assist them to complete the job on time.
- Provide horticulture improvement recommendations of client properties.
- Knowledge of plant diseases and insects.
- Provides proper upkeep of sidewalks, driveways, parking lots, fountains, planters, burial sites and other ground features.
- Preparation of project procurements & requirements.
- Following up project equipment's & machineries.
- Following up payments & submission of approval.
- Dealing with clients (Municipalities Landscape & Parks Dept.).
- Best utilization of project team & extraction of work effectively.

**3. Agriculture Engineer / Soil Engineer
Dornier Consulting GmbH, Abu Dhabi, UAE**

(Jan 2016 –To Sep 2016)

Project: Groundwater Wells Inventory and Mapping for Abu Dhabi Emirate.

Responsibilities

- Conduct survey in different Agriculture Farms of the Abu Dhabi Region and surrounding areas of Dubai and Sharjah.
- Provide counseling and advisory services to farmers on production issues, for example cultivation, fertilization, harvesting and uses of modern irrigation techniques.

- Awareness of organic farming methods that how they can crop and livestock production much more than choosing not to use pesticides, fertilizers, genetically modified organisms, antibiotics and growth hormones.
- Studied and Knowledge of HACCP (Hazard Analysis Critical Control Point) and ISO systems.
- Prepare and conduct advisory information sessions and lectures for farmers and other relevant groups.
- Conduct research and implement new technology and practices.
- Analyze agricultural data and prepare research reports.
- Maintain records of services provided and their results.
- Promote mutual understanding and cooperation between government regulatory agencies and the agriculture community.
- Educate farmers and agriculture business owners on understanding and complying with environmental pollution-control laws and regulations.
- Optimize field practices
- Design and implement field experiments
- Collect soil chemical and physical properties,
- Performs related duties as assigned.

4. Irrigation Supervisor

(Feb 2014 –Jan 2016)

Barari Forest Management, UAE

Responsibilities

- Plan and Designing of High Efficiency Irrigation System (Drip & Sprinkler).
- Plan and designs irrigation fixtures & installation of fixtures to requirements specifications.
- Make Sketch of the site through GPS then prepare layout in AutoCAD Software.
- Direct, through subordinate supervisors, construction of irrigation systems (Drip and Sprinkler Irrigation system) as per project requirements.
- Coordination with Consultant & Contractors.
- Checking and verifying Bill of Quantities and shop drawings submitted by Contractors.
- Making progress reports of all activities under supervision.
- Preparing B.O.Q. for the projects and making final reports for the preliminary and final handing over of the projects.
- Quality control of all materials submitted by Consultant & Contractors.
- GIS data collection of existing Irrigation Network and related assets.
- Makes recommendations concerning renovation and installation of new irrigation pipelines; assists in planning new improvements for forest.

- Have worked in construction of HDPE pipeline by using Butt fusion welding machine and Electro Fusion Welding Machine. (Certified by Hepworth PE, Dubai)
- Installation and maintenance of HDPE, DI & GRP pipe.
- Performs related duties as assigned.

**5. Senior Engineer
2013)**

(Dec 2012 – To Nov

G-3 Engineering consultant Pvt Ltd.

Project: Feasibility study of Sindh Irrigated Agriculture Productivity Enhancement (SIAPEP).

Responsibilities

- Perform profile survey of earthen watercourse.
- Design and cost estimation of earthen water course.
- Using computer-aided design technology.
- Responsible for designing components for proper irrigation systems
- Conducted research on soil fertility and environment related projects
- Supervision of construction activities related to the improvement of watercourses like spot-checking of quality for work during construction and on completion.
- Certify quantity and quality of the completed civil works.
- Communicate deficiencies / discrepancies to the concerned client's field teams for rectification.
- Provide assistance and facilities to client's field teams in all the interventions of the project as per TOR of the project.
- Meet clients to discuss their requirements
- Responsible for preparing reports, proposals and budgets for proposed system
- Handled the tasks of designing recording and measuring devices to study plant life

**6. Environmental/ Socio-economic Surveyor
AAB Pvt. Ltd Islamabad**

(July 2012 – To Oct 2012)

Project: Feasibility study of Small Dams in all over Pakistan.

Responsibilities

- Supervise the social work project in the province of Sindh and Baluchistan.
- Participating in project engineering reviews, studies and site investigations.
- To collect soil, water, and different agricultural commodities samples from the field by using Auger-hole equipment.
- To make a report of finding with conclusions and recommendations.
- Carry out any other duty assigned by the Manager
- Working closely with all levels of management, engineers and field operations staff.

- To make weekly activities plan to achieve target activities.
- Conduct the survey in various villages / fields.

7. Technical surveyor (Jan 2010 – To June 2010)- 6 months
Contract
AAB Pvt. Ltd Islamabad

Project: Feasibility study of selected watercourses at different areas of Sindh Province.

Responsibilities

- Supervise the social work project in Sindh.
- Checkout of watercourses construction and verification of actual work done.
- Ensuring that all design work that is produced on a project is of a sufficient quality to avoid any errors or rework.
- Checkout watercourse discharge from lining and earthen sections through Current meter and Cut-throat flume.
- Preparing progress reports.

Education

- Post-graduate diploma in water resource Engineering(18 years) (2011 - 2012)
Institute of Water Resource Engineering & Management, (MUET Jamshoro), Pakistan.
- B.E in Agricultural Engineering(16 years) (2005 - 2009)
Sindh Agriculture University Tandojam, Pakistan.
- FSc (Pre- Engineering) (2002 - 2004)
Alfalsh Boys College, Hyderabad, Pakistan.
- SSC (Science) (2000 – 2002)
Cosmopolitan high school, Hyderabad, Pakistan.

Technical Skills

- Manages and organize different activities in the department.
- Water sampling, Soil Sampling & Visual Analysis.
- Land Preparation/ Reclamation for fodder / crops.
- Discharge Measurement & Seepage losses in lined / earthen canals and water courses.
- Designing of Drip Irrigation System.

Computer Skills

✓ **Word Processing Packages**

- MS Word.

✓ **Spreadsheet/Graphical Packages**

- MS Excel.

✓ **Other Software**

- Irri Pro Software (for sprinkler and Drip Irrigation System)
- Auto-CAD 2D Landscaping Design,
- GIS mapping related softwares
- Microsoft project 2010

Knowledge of Languages

English-Good

Urdu-Excellent

Arabic-Basic