ATHIQ UR RAHMAN KHAJA MOHAMMED

RCDD, FOIS

Telecommunications Infrastructure Consultant

ABOUT ME

A Telecom Consultant with 12+ years of specialized experience in planning, designing, estimation and implementation of end-to-end telecom network. A lead Engineer responsible for the review and approval of the telecom design & proposal submitted by various consultants and solution architects.

CONTACT

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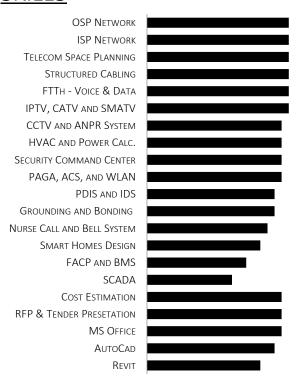Location: 4071, Prince Mitab street Jubail.

PERSONAL INFO

DoB: 13 – July – 1986

Nationality: Indian

Visa Status: Transferable

Marital Status: Married

Driving License: KSA & India

SKILLS

- OSP NETWORK
- ISP NETWORK
- TELECOM SPACE PLANNING
- STRUCTURED CABLING
- FTTH - VOICE & DATA
- IPTV, CATV AND SMATV
- CCTV AND ANPR SYSTEM
- HVAC AND POWER CALC.
- SECURITY COMMAND CENTER
- PAGA, ACS, AND WLAN
- PDIS AND IDS
- GROUNDING AND BONDING
- NURSE CALL AND BELL SYSTEM
- SMART HOMES DESIGN
- FACP AND BMS
- SCADA
- COST ESTIMATION
- RFP & TENDER PRESETATION
- MS OFFICE
- AUTOCAD
- REVIT

WORK EXPERIENCE

Position	Company	Period (MM/YYYY)	Location
Sr. Telecom Engineer	Royal Commission for Jubail and Yanbu	02/2016 – till date	Jubail
Telecom Engineer	Dar Al Riyadh Consultants	01/2012 – 01/2016	Khobar
OSP Engineer	Al Sharq Office Co.	11/2008 – 12/2011	Riyadh
Jr. Telecom Engineer	ASNEAAA Info Tech.	08/2007 – 09/2008	Hyderabad

ACHIEVEMENTS

- Designed telecom network in Ras Al Khair with separate Exchange buildings for SPs and RCJ.
- Designed the OSP network between Ras Al Khair and Jubail Industrial City for more than 80kms distance.
- Designed MoI private long haul network connecting RUH – DMM – King Fahd Causeway with access nodes.
- Designed RC-MAN RING network to serve ITS, Irrigation SCADA, Wireless network and Video Surveillance System.
- Prepared standard engineering guidelines, manuals, material specifications, drawings, BoQ & RFP documents.
- Upgradation/migration of RCJ data center that includes standard cabling, power distribution and HVAC cooling.
- Successfully designed the TIER II data center for JUC in Jubail, with disaster recovery between JIC and RIC.
- Designed intelligent traffic system within JIC districts with live monitoring and video detection cameras with complete integration to TMC.
- Designed the PIDS for Jubail and Ras Al Khair that includes Radar, Thermal Cameras, VAC with separate Command Centers and security checkpoints.
- Designed FTTh network for Voice/Data and IPTV system in JIC districts, with Telecom Exchange buildings.
- Approved OLT (Nokia – 7360 ISAM FX-16) to serve FTTh – IPTV system in Jubail districts.

WORK EXPERIENCE

Certifications	From
Registered Communications Distribution Designer (RCDD)	BICSI
Fiber Optic Infrastructure Specialist (FOIS)	Commscope
Infrastructure solutions for Broadband Applications	Commscope
Broadband OSP Fiber Solutions	Commscope
Hyper scale/Cloud Data Center Product and Installation	Commscope
Telecommunications Earthing (grounding) in Data Center	Anixter University

EDUCATION

Certifications	From	Year
Bachelor of Technology (Electronics and Communication)	Jawaharlal Nehru Technological University	2003 – 2007

JOB RESPONSIBILITIES

- Responsible for defining the telecommunications scope for RC projects in order to be developed by consultants, contractors, and vendors.
- Attend interactive planning sessions to discuss telecom deliverable dependencies with other disciplines on various project requirements.
- Actively involved in designing the RoW corridor for telecommunication network within Ras Al Khair and Jubail – 2.
- Reviewing of HLD and LLD packages submitted by the consultants and EPC contractors including cost estimation, RFP and technical details.
- Performs inter-discipline checks/squad for drawings and documents for the content completeness and conformity to project requirements.
- Responsible to coordinate and meet with third parties like STC, Mobily, Marafiq, SAR, Aramco and others for telecom TIE-IN locations.
- Responsible to attend project and technical review meetings to represent telecom discipline in the discussion on any issues and concerns.
- Providing solution consulting for large enterprises with the help of OEMs & Vendor Teams.
- Responsible to review and approve technical submittals, and provide support to RCJ-Construction for any technical queries and FCD.
- Approve the telecom DCN for the projects due to change by onsite conditions, third parties requirements or project enhancements.
- Attend interactive Value Engineering to plan and execute the design in accordance with the agreed schedule and project budget.
- Approval of the LARs for private investors for telecommunication networks TIE-IN.
- Designing ELV – Cable Tray, Voice/Data, IP Telephony, Wi-Fi, Fire Alarm, VESDA, Access Control, CCTV, PA, BMS, Grounding and UPS.
- Designing Rack Elevations, High-Speed Structured Cabling, raiser diagrams and schematics for entire LAN/SAN IT fabric for various TR/ER.

PROJECT HIGHLIGHTS

Contracts No.	Project Name	Scope of Work	Location
181/182/183-C01	Site Development Area – B – Stage 1	Telecom Infrastructure within RIC	Ras Al Khair
134-C01	P&C of Telecom Network – Phase I	RIC and JIC telecom network, Data center migration/upgradation	Ras Al Khair and Jubail
211-C02	P&C of Area 'A' Site Development	Telecom Infrastructure within RIC	Ras Al Khair
122-C01R & 123-C01R	EPC Package Sewage and Industrial Treatment Plant Stage 1	O&M buildings for SWTP and IWTP SCADA system	Ras Al Khair
147-C01	EPC of Security Facilities & Systems in RIC	PDIS, Command Center and Security Checkpoints	Ras Al Khair
31i-C04	RIC Landscape and Irrigation Phase – I	O&M building for Irrigation network and SCADA system	Ras Al Khair
361-C01 & 616-C02	EPC of Security and Surveillance in Community – Phase I and Phase - II	Installation of RC-MAN network, CCTV system and centralized storage.	Jubail
204-C41 & 204-C62	EPC of Security Infrastructure for Jubail – 1 Phase – I and Jubail – 2 Phase – II	PDIS, Command Center and Security Checkpoints	Jubail
097-P82A	Procurement and Installation of JUC Data Center Equipment – Phase I	Design of the JUC data center and Disaster Recovery between RIC and JIC	Jubail
097-C32/C70R/C73/C49	JUC infrastructure Projects	Designing of JUC Infrastructure, Academic Bldgs., Student Dormitories and Spine Bldg.	Jubail
720-C06 & 721-C03	Primary Site Development of Al-Reggah Phase – I and Phase – II	Telecom Infrastructure for FTTh Voice/Data and IPTV	Jubail
628-C23/33/34/35/36/37	P&C of Schools in Mutrafiyah	Design of ELV system, SCS, PAGA, FACP, Smart Interactive Boards, TR/ER, CCTV for schools	Jubail
641-C46	Rehabilitation of Community Area Infrastructure	RC Hospital Renovation	Jubail
N/A	MoI Security Center Design	MoI DWDM Connectivity between RUH-DMM	Riyadh

STANDARDS AND TOOLS

- TIA-942/568/569/606/607, BICSI-TDMM-13th Ed., SBC-401, IBC-2018, ISO-11801, EN-50132-7, BICSI-002-2014, ASHRAE 90.4/TC9.9 Thermal Guidelines, EN-50600, NFPA-75/76/70E/2001/Handbook.
- MS Office, MS Visio, MS Project, Sketch up, AutoCAD 2017, Revit -2018, Aruba RF planner, Axis Site designer – 2 and TOA EASE simulator.
- EXFO FOT-600 & FLS-600, EXFO Tool-box, EXFO OTDR – FTB – 720, Noyes OTDR – CS260, Noyes – VFl2, Fiber Identifier OFI-400.