

Dr. Nasir Javed
Solid Waste Management Specialist

Email: dnj.ircb@gmail.com

Phone: +92 3334265141

Nationality: Pakistani



PROFILE:

Dr. Nasir Javed is an accomplished Urban Development Specialist with over 35 years of experience specializing in Integrated Sustainable Solid Waste Management. His work spans urban development, policy advisory, and project management, particularly focused on implementing Integrated Solid Waste Management System under circular economy principles and aligning with NDCs and reducing GHG emissions. Dr. Javed has led high-impact initiatives across Pakistan's major cities, including Lahore and Karachi, designing policy frameworks, public-private partnerships, and regulatory systems that promote sustainable waste management and resource recovery.

As an expert advisor, he has worked on numerous projects funded by organizations like the Asian Development Bank (ADB), World Bank, JICA, UNICEF, FCDO, and Global Green Growth Institute (GGGI). His contributions are instrumental in aligning Pakistan's waste sector with global standards and achieving the country's climate goals through low-carbon and resource-efficient waste management practices.

Dr Javed has been a member of the *Cities That Work* council of the IGC; has been a Syndicate member of the prestigious University of Engineering & Technology Lahore; a member of the editorial board of SAGE Journal, '*Environment & Urbanization Asia*', and has authored a number of conference papers & book chapters in the development sector. Dr Javed has a wide international exposure and has participated in more than two dozen urban sector international conferences, trainings and seminars in countries across five continents.

CONSULTANCY EXPERIENCE

Global Green Growth Institute (GGGI) 2024: National Solid Waste Management Specialist for Sectoral Study for the Waste Sector in Pakistan with regard to GHG emissions and Carbon Credits, under the SPAR6C Project. (6 months intermittent input).

Spastack Pvt Ltd, working for Dawood Engineering Oman. (2024) – Advisor Data Analytics

Strategic role on Urban and municipal services, by leveraging the use of drone-based 3D modeling for infrastructure mapping, improving asset management and service planning. Provided technical guidance on analyzing drone data for managing municipal services.

Advisor Data Analysis: Spastack Pvt Ltd, working for Dubai (2024)

Played a strategic role in **municipal infrastructure** by utilizing drone-based 3D modeling for infrastructure mapping, enhancing asset management and service planning, contributing to **capacity building** of the institution.

SWM Specialist: Royal Commission for Jubail & Yanbu, Saudi Arabia 2022

Assisted in the value engineering exercise as SWM expert, optimizing landfill expansion plans to enhance leachate management and environmental compliance. Provided technical guidance on integrating sustainable Solid Waste Management within the landfill design to minimize groundwater contamination.

Technical Advisor: Spastack Pvt Ltd, working for: FEDS Drone-powered Solutions, Dubai, 2023 : Offered expertise as Technical Advisor in analyzing drone data towards improved asset management, **municipal utilities governance** and infrastructure planning.

Earnest & Young Pakistan 2024: (World Bank Project): Team Lead for the WB sponsored project of mass valuation of residential properties in District Nowshera (KP), aiming at reforming the property valuation and taxation system. Intermittent.

Earnest & Young Pakistan: 2023: Team-lead for a World Bank financed project on *'institutional assessment and regulatory review of katchi abadies in Karachi*, including studying the urban services.

ADB: 2021-23 International Team lead for the 24 months assignment of *Institutional Review and Capacity Building* consultancy team, heading a team of 28 International and national consultants, for the ADB financed 680m USD project on Solid waste management, water and sanitation and other urban services. The Project includes Design and Management of five sanitary landfill sites and waste segregation / treatment plants, with the goal of full resource recovery, and minimum GHG emissions, in line with the INDCs under Paris Agreement.

ADB: 2022-23 Deputy team lead for the Solid Waste Management Master planning & Detailed design for collection and treatment / disposal facilities, leading to minimum landfilling / GHG emissions and maximum resource recovery; for Sahiwal & Sialkot cities, under the ADB financed Intermediate cities improvement project.

ADB: 2021-22 (Through Creative Engineering Consultants): Team lead for the master planning of Solid Waste Management for the cities of Mardan, Abbottabad, Kohat and Mingora.

ADB: 2021-22 (Through Creative Engineering Consultants, Peshawar). Project Team Lead for the 'Preliminary design, feasibility studies and detailed design for integrated solid waste management projects for the cities of Peshawar, Kohat, Mardan, Abbottabad and Mingora, totalling a population of 4 million.

ADB 2020: Short term consultant for developing the Climate Resilient National Urban Policy. (Feb-Aug 2020)

Earnest & Young Pakistan: 2023: Team-lead for a 15-month project for development of IDAMP (Integrated Development and Asset Management Plan) framework for Municipalities and drafting plans for 16 cities in Punjab. This is a World Bank funded project, under Punjab Cities Program.

UNICEF: 2023: Advisor to a team of consultants working on the “Mapping of WASH Sector regulations, policies, strategies and plans etc. across Pakistan”.

UNICEF: Dec 2022: Resource person for designing, conducting, and reporting on the 3 days International Workshop on National Urban Sanitation Workshop; Challenges and Opportunities.

ITC (UN): Short term consultancy on drafting the Sindh Domestic Commerce Policy and strengthening of the Department of Commerce, Sindh Govt. (Jan-May 2023)

ADB: Resource Person for WASH Sector in the Damage Needs Assessment Report for Floods 2022. (Sep-Dec 2022)

CGPI: 2022-23 Short term consultancy on developing / revising the SWM monitoring indicators for the clean and green Pakistan Initiative, in the context of Circular Economy.

FCDO¹: Financed project of Sub National Governance (II); Short term consultancy on developing a report on the Need Assessment for Solid Waste Management in Kasur City (2021)

FCDO: Short term consultancies on Urban Development, under the FCDO financed Sustainable Energy & Economic Development Program. (2020-continue)

ADB: Solid waste management specialist for for Solid Waste Management Sector: A Roadmap for Reform for Policy Makers, (published by ADB at: <https://www.adb.org/publications/solid-waste-management-pakistan-road-map>)

ADB / MoCC: SWM Specialist: Waste Sector Inclusion in the Revised Nationally Determined Contributions of Pakistan: ADB 2022; <https://www.adb.org/publications/waste-sector-inclusion-revised-ndcs-pakistan>

ADB / MoCC: Urban Sector Specialist:2022 Urban Sector Inclusion in the Revised Nationally Determined Contributions of Pakistan : <https://www.adb.org/publications/urban-sector-inclusion-ndcs-pakistan>

Government of KP: Team lead for the Master Planning & system design, including Project preparation for Solid waste Management in Peshawar, Mardan, Abbottabad, Kohat & Mingora cities; including collection, transport, recycling, Biogas generation, RDF etc. and Land fill design.

Govt of Punjab 2020: Team lead for the Transaction Advisory Services for the outsourcing of Solid Waste Management in Lahore, including System design, financial modeling & procurement of contractors.

Government of AJK: Team lead for design of the Solid Waste Management system for the city of Muzaffarabad, including Waste characterisation studies and Materials Recovery Facility design.

¹ Foreign, Commonwealth, and Development Office. (Previously DFID)

World Bank: Short term consultancy as institutional development Specialist, supporting Board of Investment in developing a strategy paper and implementation plan for developing Pakistan Business Portal.

IGC / CDPR: Short term consultancy for developing Project document for Baluchistan Spatial Strategy.

ADB 2019: Short term consultancy as Senior Economic Specialist for Economic Corridors Development (Decision Support System) project.

USAID: 2012-13 : Worked as the team lead at a 6 months consultancy for the detailed institutional design of the Water and Sanitation Services Peshawar, a corporate entity, merging the 6 existing water & Sanitation utilities;

ADB 2004 – 2005: Worked as Capacity Development Specialist at the Decentralization Support Program, providing technical assistance to the Local Governments, under the devolved system of PLGO 2001.

Aug 2002 – Sep 2003: Working as an Institutional Reform Specialist, developed the Gender Reform Action Plan for the province of Sindh, Pakistan. **ADB Funded Project**

WWF 2002-4: As a capacity Development Specialist for the Environmental Management activities of WWF. Have authored a manual on Urban Waste Management for TMAs and one on Hospital Waste Management for professionals and administrators.

KEY PROJECTS & ASSIGNMENTS

Project Director & CEO The Urban Unit, Lahore (2005- 2018)

Conceived, established and led the Urban Unit, a PMU & public sector Company for over 14 years, working on multiple public sector and donor funded projects and programs. Urban Unit is one of the most automated and knowledge-based entity within the public sector. Some of the key projects / assignments include:

- **Urban Services**
 - Developed a comprehensive report on identification of **Regional Landfill sites** in the province of Punjab, using a structured shortlisting criteria and GIS mapping.
 - Played key role in conceptualizing and Establishment of **Lahore Waste Management Company**, followed by international outsourcing. Was chairman and member BoD for five years.
 - Designed and established a JICA sponsored **WATSAN Training Academy** for urban utilities;
 - Designed and developed a **Waste Segregation & Treatment Facility** for Sahiwal city of more than 200 tons / day;
- **Urban Governance**
 - Project Director for the **Punjab Cities Governance Improvement Project**, WB funded 150m\$, focusing Institutional reforms in five large cities.

- Led the design & development of the **framework & systems for Punjab Spatial Strategy (2047)**, a WB sponsored assignment, developed for the Punjab Province of 110m, covering land use, transport, urban development & Industrial sectors.
- **Institutional Redesign**
 - Punjab Environment Protection Department, aiming towards a robust institutional design to meet the environmental challenges of 21st century.
 - **Drafting of Rules, Regulations and Bye Laws** for Local Governments in Punjab, including Building Bye laws, Land Use Rules, Private Housing Societies Development Rules, Draft Condominium Act, Municipal Water Act etc.

MD City Waste Management Karachi (1995-96)

Lead the Solid Waste Management department of the Karachi Metropolitan Corporation for almost 2 years, covering comprehensive service delivery system for entire Karachi.

MD City Waste Management Lahore (2000- 2001)

Lead the Solid Waste Management department of the Lahore Metropolitan Corporation for almost 2 years, covering comprehensive service delivery system for entire Lahore.

EDUCATION:

Degree	Major/Minor	Institution	Year
MBA	Public Private Partnership in urban service in UK	University of Wales, Cardiff, UK.	1998
LLB	Law	University of Karachi	1996
CSS	Secured 6th Position	Government of Pakistan	1988
PLAB	Medical	General Medical Council UK	1988
MCPS	Psychiatry	College of Physicians & Surgeons Pakistan	1986
MBBS	Medical	King Edward medical College Lahore	1984
BSc	Sciences	Punjab University	1981

RESEARCH & PUBLICATIONS:

- **ADB:** Solid waste management specialist for for *Solid Waste Management Sector: A Roadmap for Reform for Policy Makers*. (published by ADB at: <https://www.adb.org/publications/solid-waste-management-pakistan-road-map>)
- **Waste Sector Inclusion in the Revised Nationally Determined Contributions of Pakistan: ADB 2022;** <https://www.adb.org/publications/waste-sector-inclusion-revised-ndcs-pakistan>

- **Urban Sector Inclusion in the Revised Nationally Determined Contributions of Pakistan : ADB 2022;** <https://www.adb.org/publications/urban-sector-inclusion-ndcs-pakistan>
- **The Experience of Private Sector Participation in Municipal Services in UK and lessons for Pakistan:** (*MBA Thesis at the University of Cardiff. Was awarded distinction on this thesis.*)
- Founding Chief Editor of the **Pakistan Journal of Urban Affairs.** (www.urbanunit.gov.pk/PJUA).
- **Manual on Waste Management** for Local Governments in Pakistan: WWF Pakistan (2003)
- **Manual on Hospital Waste Management for Punjab;** A case for Incinerators: WWF Pakistan (2004)
- **Gender Reform Action Plan:** Main contributory in the GRAP for the Sindh Province. ADB funded Project
- **A Toolkit for Private Sector Participation in Municipal Services** in Pakistan: developed as part of the assignment at the ADB funded Decentralization Support Program (DSP). 2004-5
- **Urban Policy Access to Urban Services for Political and Social Inclusion:** The case of Pakistan; a monograph for a project under university of Hawaii, 2017
- Chapter on **Issues in Urban Policy & Planning, a case study of Lahore;** *New Urban Agenda in Asia-Pacific: Governance for Sustainable and Inclusive Cities*; Springer, 2019
- Chapter: **Developing a National Urban Policy; A case study of Pakistan;** *Developing National Urban Policies: Ways Forward to Smart and Green Cities*, Springer 2019.
- Contributed to a number of technical publications at the Urban Unit (www.urbanunit.gov.pk/publications)

INTERNATIONAL TRAININGS, WORKSHOPS & CONFERENCES:

- **Turkey March 2022:** Exposure visit to the Solid waste management facilities, institutions and projects, as part of the ADB financed Khyber Pakhtunkhwa Cities Improvement Project.
- **China** Jan 2018: Exposure visit of Delegation of Government of the Punjab to study the Shenzhen as a Smart City, China
- **Beijing** Aug 2016: Member, Delegation of Government of Pakistan for Development of CPEC Long Term Plan (LTP)
- **Beijing** 2017: Led a delegation of the Government of Punjab for a conference & Road show on outsourcing of Waste Management & Water sanitation in the five large cities of Punjab, Pakistan.
- **Beijing, Chengdu & Guangzhou** May 2017: As a member of Senior Civil Servants group, studied the working of the Government of China in various development & Economic Sectors.
- **Hanoi, Vietnam:** 2017 As a member of Senior Civil Servants group, studied the working of the Government of Vietnam in various development & Economic Sectors.
- **London** Jan 2016: Participation in 2nd Annual IGC Cities Conference On Theme "Making Cities Work For Growth", In London School Of Economics, United Kingdom

- **Ulsan, Korea** June 2016: Participation in Conference on Green Industries for Sustainable Cities, GIC 2016
- **Istanbul**, Turkey Dec 2015: Exposure visit for the study of Local Government System (both rural areas and urban municipalities) in Turkey.
- **Bangkok**, Thailand, Oct 2015: Participation in Regional Workshop on Urban Governance and Access to Services in Asian Cities; conducted under University of Hawaii.
- **Nairobi Kenya**: June 2014: Study Tour of Pro-Poor Water & Sanitation Institutional Approaches in Urban Slums, a WSP (WB) sponsored visit.
- **South Africa**, June 2014: Study Tour of Pro-Poor Water & Sanitation Institutional Approaches in Urban Slums, a WSP (WB) sponsored visit.
- **Nepal, Kathmandu**, Oct 2013: Presented a paper on Urban Sanitation at the South Asian Conference on Sanitation. (SACOSAN)
- **Sendai Japan**, July 2012: Participation in conference on the theme "The Role of Technology in Disaster Management and Relief"
- **Colombo** March 2012: Presented the Urbanization Challenges in Pakistan, as the country representative at the World Bank organized Urban Knowledge Sharing Platform.
- **Brazil** May 2011: Municipal Water regulation in the States of Brasilia, Sao Paulo & Rio-de-janeiro (Organized by WSP - WB)
- **London**: Three days international conference on 'Cities and growth in the developing world' Dec 2010 at **London School of Economics**, organized by IGC International.
- Attended a three-day conference on Water regulation and instructional design at **KL, Malaysia**, organized by WB & ADB, Oct 2010
- Attended a three-day conference on city management in the developing countries at **Shanghai, China**. Nov 2009
- One week exposure visit to study SWM & Urban Planning in Beijing: Feb 2010, organized by **Beijing Metropolitan Municipality** & Govt of Punjab.
- One week exposure visit to Mashhad Municipality to study SWM & Public Transport: May 2010, organized by **Mashhad Municipality**.
- Water and sanitation conference Feb 2009, organized by Asian Development Bank, **Manila**
- One week exposure visit to South Africa to study urban Water services & systems, June 2009, by WSP -WB. (**Johannesburg, Pretoria & Durban**).
- One week exposure visit to study the urban systems (SWM, Water & Urban Planning) at **Gateshead County Council UK**
- One week training Course by **Istanbul Municipality** on SWM May, 2010
- International Workshop in **Berlin**: Sept 2007; attended a three days workshop on urban municipal services in Berlin, focusing on public private partnership.
- Exposure visit to Govt of **Singapore**: July 2007: Participated in a week long official visit to study the government and urban institutions in Singapore.
- **WB Workshop Bangkok**: Participated as a resource person in the three days WB sponsored Workshop at Bangkok on 'Communicating the Reform Agenda in the urban water sector' (April 2008)
- Participated at the **World Urban Forum**, by UN_HABITAT (June 2006) at Vancouver, Canada.

- Short Course on Solid Waste Management: 1996; A two-week training Course at the University of **Loughborough, UK**.
- Workshop on Urban Water supply: WHO 1995: A one week workshop at **Alexandria Egypt**.

MEMBERSHIPS/ PROFESSIONAL AFFILIATIONS:

- Chairman & Member BOD, Lahore Waste Management Company
- Member of Syndicate of University of Engineering & Technology, Lahore
- Member of Research “Cities that Work”, IGC London
- Member Editorial Board, 'Environment & Urbanization Asia'; published by SAGE Intl.
- Founding Editor; Pakistan Journal of Urban Affairs
