

FORM TECH-5 CURRICULUM VITAE FOR NOMINATED PERSONNEL

1.	Proposed Position: Climate Scientist			
2.	Name of Entity: Institute of Water Modelling			
3.	Name of Expert:	Dr. Md. Shadukul Alam		
4.	Date of Birth:	22 November, 1965	Citizenship:	Bangladeshi
5.	Complete personal contact details: IWM BHABAN, House 06, Road 3C, Block H, Sector 15, Uttara, Dhaka 1230, Bangladesh Email: shadukul@gmail.com Phone: +8801818819257			
6.	Education: PhD in Atmospheric Physics – Jahangirnagar University - 2018 M.Sc. in Physics – Jahangirnagar University - 1986 B.Sc (Honours) in Physics – Jahangirnagar University -1985			
7.	Membership in Professional Associations: Member, Bangladesh Meteorological Department's core meteorologist cadre and Regular Participant World Meteorological Organization (WMO).			
8.	Other Training: Natational Training Class-II Forecaster Initial Training, BMD – Comprehensive course for newly recruited meteorologists on weather observation and forecasting fundamentals (1992–1993). Station Operations & Seismic Network Management – Training on installation, operation, and maintenance of meteorological stations and seismic network data analysis software (Apr 2007). Meteorological Radar and Communication Systems – Specialized courses on: <i>Radar Data Display System</i> – operation of meteorological radar for real-time storm tracking (Jan–Feb 2007) <i>Data Communication System</i> – meteorological data telecommunication and networking (2007) <i>Satellite Data Receiving System</i> – handling satellite meteorology data and products (2007) GPS Meteorological System Training – Theoretical and practical training on BMD's GPS-based atmospheric observation system (Apr 2007). Disaster Management – Training of Trainers (ToT) on Comprehensive Disaster Management for focal officials, focusing on disaster preparedness and early warning coordination (Mar 2008). Satellite Meteorology Maintenance – Workshop on theory, operation, and maintenance of meteorological satellite data reception and visualization systems (Feb 2009). Climate Services & Adaptation – Training on integrating climate change adaptation into development planning in Bangladesh (May 2019). Cyclone Landfall Process – Advanced training on cyclone landfall prediction and impact analysis (Oct 2022). International Training / Exposure: - Aeronautical Forecast System Data & Products – Kuala Lumpur, Malaysia (15-11-1999 to 16-11-1999) - Weather Forecasting for Operational Meteorologists – South Korea (04-04-2003 to 01-05-2003) - TOT for Meteorological Trainers – Kuala Lumpur (16-05-2005 to 20-05-2005) - Radar Meteorology – Japan (20-11-2005 to 16-12-2005) - WMO GTS Message Switching System – Japan (07-04-2008 to 19-04-2008) - FORCALL Climate Monitoring for Asia – Beijing, China (11-04-2008) - Multi-Hazard Early Warning System – France (05-05-2009 to 07-05-2009) - Flash Flood Risk Management in the Himalayas – Nepal (25-10-2010 to 02-11-2010) - Meteorological Management Training – China (15-06-2011 to 05-07-2011) - Weather Data Control – Japan (07-02-2012 to 21-02-2012) - Regional Planning Meeting – Oslo, Norway (26-03-2012 to 30-03-2012) - Climate Change Planning – Bangkok, Thailand (11-03-2013 to 12-03-2013) - Project Meeting – Oslo, Norway (18-03-2013 to 22-03-2013) - Climate Services for Farmers – Nepal (08-07-2013 to 12-07-2013) - Institutional Support & Capacity Building – Norway (11-03-2014 to 20-03-2014) - Meteorological Data Visualization – Thailand (10-11-2014 to 13-11-2014) - Winter SASCOF Session – India (15-10-2015 to 19-10-2015) - Institutional Capacity Building – Oslo, Norway (26-09-2016 to 29-09-2016) - Standardization & Radar Quality Workshop – Thailand (13-02-2018 to 15-02-2018) - Institutional Support Project Meeting – Oslo (05-09-2018 to 15-09-2018) - Project Meeting – Oslo (12-09-2019 to 20-09-2019) - Hydromet Joint Learning – India (30-10-2022 to 05-11-2022) - Leadership & Management Program – Singapore (04-09-2023 to 08-09-2023) - Third Pole Climate Forum – China (04-06-2024 to 06-06-2024)			
9.	Countries of Work Experience:			

	Bangladesh																
10.	Languages:																
	<table border="1"> <tr> <th></th><th colspan="3">Level of Proficiency (mother tongue, excellent, good, fair, poor)</th></tr> <tr> <th>Language</th><th>Speaking</th><th>Reading</th><th>Writing</th></tr> <tr> <td>English</td><td>Excellent</td><td>Excellent</td><td>Excellent</td></tr> <tr> <td>Bangali</td><td>Mother Tongue</td><td>Mother Tongue</td><td>Mother Tongue</td></tr> </table>		Level of Proficiency (mother tongue, excellent, good, fair, poor)			Language	Speaking	Reading	Writing	English	Excellent	Excellent	Excellent	Bangali	Mother Tongue	Mother Tongue	Mother Tongue
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Bangali	Mother Tongue	Mother Tongue	Mother Tongue														
11.	Employment Record:																
	From: Sep 2024 to Nov 2024																
	Employer: Bangladesh Meteorological Department (BMD)																
	Positions held: Director (Current Charge) , BMD																
	From: Jan 2023 to Sep 2024																
	Employer: Bangladesh Meteorological Department (BMD)																
	Positions held: Deputy Director , Meteorological Training Institute (MTI) and Meteorological and Geo-physical Center, BMD																
	From: Oct 2014 to Jan 2023																
	Employer: Bangladesh Meteorological Department (BMD)																
	Positions held: Assistant Director , Meteorological Training Institute (MTI), BMD																
	From: Nov 2002 to Oct 2014																
	Employer: Bangladesh Meteorological Department (BMD)																
	Positions held: Meteorologist , Storm Warning Center, BMD																
	From: Jan 1992 To April 2002																
	Employer: Bangladesh Meteorological Department (BMD)																
	Positions held: Assistant Meteorologist , Storm Warning Center, Agromet Division BMD,																
12. Detailed Tasks																	
- Overall provide guidance to the climate modeling team in user need assessment, forecast data analysis, customization and operationalization, - Lead technical evaluation and reporting, ensure smooth technology transfer to FFWC.	<table border="1"> <tr> <td>13.</td><td> Name of assignment or project: Coastal Inundation Forecasting Demonstration Project for Bangladesh (CIFDP-B) Year: 2009 to 2019 Location: Bangladesh. Client/Address: Bangladesh Meteorological Department (BMD). Positions held: Meteorologist Activities performed: inundation / storm-surge forecast system, which is one of BMD's most important operational modernization projects. </td></tr> <tr> <td></td><td> Name of assignment or project: Integrated Coastal & Multi-Hazard Early-Warning Work (CIFDP-B + Hydro-SOS + Others) Year: 2009 to 2019 Location: Bangladesh. Client/Address: Bangladesh Meteorological Department (BMD). Positions held: Meteorologist Core Feature: - Multi-model chain: Storm surge + Waves + Tide + River discharge - Impact-based warnings for: Cyclones, coastal flooding, tidal inundation - National client/lead agency: Bangladesh Meteorological Department (BMD) - Users: DDM, CPP, BWDB, Navy, Coast Guard, local DDM offices - Main funders/supporters: WMO, IOC-UNESCO, USAID/OFDA Activities performed: integrated coastal inundation forecasting service later adopted into WMO's wider Coastal Hazard Warning Toolbox. </td></tr> <tr> <td></td><td> Name of assignment or project: Numerical Weather Prediction and WRF-based forecasting at BMD. Year: 2012– 2024 Location: Bangladesh Client: Bangladesh Meteorological Department (BMD). Positions held: Advisor. Activities performed: Thunderstorm prediction using WRF-ARW over Bangladesh, Heavy rainfall simulation over south and southeastern Bangladesh due to monsoon depressions, long-lead flood forecasting using WRF and hydrological models and key technical people behind WRF/NWP implementation and cyclone/heavy-rainfall modelling in BMD </td></tr> </table>	13.	Name of assignment or project: Coastal Inundation Forecasting Demonstration Project for Bangladesh (CIFDP-B) Year: 2009 to 2019 Location: Bangladesh. Client/Address: Bangladesh Meteorological Department (BMD). Positions held: Meteorologist Activities performed: inundation / storm-surge forecast system, which is one of BMD's most important operational modernization projects.		Name of assignment or project: Integrated Coastal & Multi-Hazard Early-Warning Work (CIFDP-B + Hydro-SOS + Others) Year: 2009 to 2019 Location: Bangladesh. Client/Address: Bangladesh Meteorological Department (BMD). Positions held: Meteorologist Core Feature: - Multi-model chain: Storm surge + Waves + Tide + River discharge - Impact-based warnings for: Cyclones, coastal flooding, tidal inundation - National client/lead agency: Bangladesh Meteorological Department (BMD) - Users: DDM, CPP, BWDB, Navy, Coast Guard, local DDM offices - Main funders/supporters: WMO, IOC-UNESCO, USAID/OFDA Activities performed: integrated coastal inundation forecasting service later adopted into WMO's wider Coastal Hazard Warning Toolbox.		Name of assignment or project: Numerical Weather Prediction and WRF-based forecasting at BMD. Year: 2012– 2024 Location: Bangladesh Client: Bangladesh Meteorological Department (BMD). Positions held: Advisor. Activities performed: Thunderstorm prediction using WRF-ARW over Bangladesh, Heavy rainfall simulation over south and southeastern Bangladesh due to monsoon depressions, long-lead flood forecasting using WRF and hydrological models and key technical people behind WRF/NWP implementation and cyclone/heavy-rainfall modelling in BMD										
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14. Certification:

I, the undersigned, certify to the best of my knowledge and belief:

- (i) this CV correctly describes my qualifications and my experience.
- (ii) I am not a current or former public sector employee of a government department or agency of the Beneficiary (including the Executing or Implementing Agency).
 - If yes, declare relevant details including agency, role, and employment period:
- (iii) I am not a close relative (other than spouse) of a current ADB staff member.
- (iv) I am not a spouse of a current ADB staff member.
- (v) I am not a former ADB staff member or executive director or alternate executive director of its Board of Directors.
- (vi) I was not directly or indirectly involved in any part of the preparation of the terms of reference for this consulting services assignment.
- (vii) I will not be in a situation of actual, potential, or perceived conflict of interest by undertaking this assignment.
- (viii) I am not debarred or temporarily suspended by ADB (ineligible for ADB engagement).
- (ix) I am not listed in the United Nations Security Council Consolidated List and I am not from a country which is prohibited to export goods to or receive any payments from the Beneficiary's country by an act of compliance with a decision of the United Nations Security Council taken under Chapter VII of the Charter of the United Nations.
- (x) I am not, nor have I ever been, temporarily suspended, debarred, declared ineligible, or blacklisted by any country, any international organization, and/or any other development or donor agency.
- (xi) I have not been charged or convicted of any criminal offense (including felonies and misdemeanors) or infractions or violations of ordinance that carry the penalty of imprisonment.

I certify that I have been informed by the entity that it is including my CV in the Proposal for the *project* "Consultancy Services for Enhancing Flash Flood Early Warning System for the Northeast Region of Bangladesh (56339-001)". I confirm that I will be available to carry out the assignment for which my CV has been submitted, in accordance with the implementation arrangements and schedule set out in the Proposal.

I understand that any misrepresentation that knowingly or recklessly misleads, or attempts to mislead, may lead to disqualification or dismissal, and/or the imposition of sanctions or other remedial actions by ADB.



Signature

Date: 27/11/2025
Day/Month/Year