Annexure-I

Categories of Expert Required For Empanelment
(Fixed/ Short Term Basis)

Sl.No.	Expertise	Desired Qualification
Water Resources Sector		
1.	Irrigation Expert	B.E. (Civil)/M.E (Irrigation/Hydraulics) with relevant experience
2.	Water Resource Expert	B.E. (Civil)/M.E (Water Resources/Hydrology) with relevant experience
3.	Flood Modeling Expert	B.E. (Civil)/M.E (Water Resources/Hydrology) with relevant experience
4.	Command Area Development Expert	B.E (Civil)with relevant experience
5.	Groundwater Expert	B.E. (Civil)/M.E (Hydrogeology) with relevant experience
6.	Watershed Management Expert	B.E (Civil) with relevant experience
7.	Hydrological Modeling Specialist	B.E. (Civil) /M.E (Hydrology/Water Resources) with relevant Project experience
8.	Hydro-meteorology Expert	M.E. (Instrumentation/IT/Electronics) with Project experience
9.	Instrumentation Specialist	B.E. (Instrumentation Engineering) or equivalent with Project Experience
Power Sector		
1.	Power Transmission Expert	B.E (Electrical) with experience in Transmission lines
2.	Power Distribution Expert	B.E (Electrical) with experience in Power Distribution, feeders, lines etc.
3.	Rural Electrification	B.E (Electrical) with relevant experience
4.	Hydro Power Expert	B.E (Civil) with experience in Hydropower Projects
5.	Thermal Power Expert	B.E (Thermal) with experience in Thermal Power Projects
6.	Instrumentation Specialist	B.E. (Instrumentation Engineering) or equivalent with Project Experience
7.	Renewable Energy Expert	B.E. (Electrical Engineering/Mechanical Engineering) with relevant experience in solar/wind/hydropower Projects
8.	Energy Auditor	B.E. (Electrical Engineering) and Certified by the Bureau of Energy Efficiency

Sl.No.	Expertise	Desired Qualification
Infrastructure Development		
1.	Water Supply Expert (Urban/Rural)	B.E. (Civil)/M.E (Public Health/Envt.) or equivalent with relevant experience
2.	Sewerage Expert	B.E. (Civil)/M.E (Public Health/Envt.) or equivalent with relevant experience
3.	Low Cost Sanitation Expert	B.E. (Civil) / M.E. (Public Health/Envt.) with relevant experience
4	Drainage Expert	B.E. (Civil)/M.E (Public Health/Envt.) or equivalent with relevant experience
5.	Solid Waste Management Specialist	B.E. (Civil) with Experience in Solid Waste Management
6.	Leak Detection Expert	B.E (Civil/Mechanical) with relevant experience
7.	Highway Engineer	B.E. (Civil) / M.E.(Transportation) or equivalent with relevant experience
8.	Bridge Engineer	B.E.(Civil) /M.E.(Structures) with relevant experience
9.	Transportation Planner	B.E. (Civil)/M.E. in Transportation Engineering
10.	Trenchless Technology Expert	B.E (Civil/Mechanical) with relevant experience
11.	Urban Development Specialist/ Urban Planner	Masters or equivalent in Planning/Urban Development with experience in preparation of Development Plans for Towns/Cities
12.	Architect	B. Arch. or equivalent with relevant Experience
13.	Municipal Finance Expert	Degree in Finance with experience of working with Municipal Corporations/Urban Local Bodies
14.	Asset Management Expert	B.E. with relevant experience in Asset Management
Ports & Harbours		
1.	Sea Dredging Expert	B.E./M.Tech (Civil/Mechanical) with relevant experience
2.	Port, Terminal Expert	B.E./M.Tech (Civil/Mechanical) with relevant experience
3.	Inland Waterways /Fairway Expert	B.E./M.Tech (Civil/Mechanical) with relevant experience
4.	Vessel Design Expert	B.E./M.Tech (Civil/Mechanical) with relevant experience
Others		
1.	Rope way Engineering	B.E./M.Tech (Civil/Electro-Mechanical) with relevant experience
2.	Customer Services & IEC Specialist	MBA with specialization in Marketing/ HR or equivalent with experience in Water Resources, Power and Infrastructure Development Projects
3.	Institutional Development Expert	MBA with specialization in HR with experience in reorganization/restructuring of water/power utilities, ULB's etc.

Sl.No.	Expertise	Desired Qualification
4.	Community Development Expert	Master's Degree in Social Science with experience in Water Resources, Power and Infrastructure Development Projects
5.	Contract Management Specialist	B.E. (Civil) with experience in Contract Management in Water Resources, Power and Infrastructure Development Projects
6.	Mechanical Expert	B.E. in Mechanical Engineering / Master or equivalent with relevant experience
7.	Procurement Specialist	B.E.(Civil/Electrical/Mechanical) with Experience in Procurement Management for Engineering Projects
8.	Economist	Master or equivalent in Economics with experience in Water Resources, Power and Infrastructure Development Projects
9.	Financial Analyst	Master or equivalent degree in Finance preferably BE(Civil) with experience in Water Resources, Power and Infrastructure Development Projects
10.	Financial Management Specialist	Chartered Accountant preferably BE(Civil) with experience in Water Resources, Power and Infrastructure Development Projects
11.	ERP Expert	B.Tech./MCA/CA with minimum experience of 5 years in IT field
12.	Legal Expert	Graduate in Law with relevant experience in handling Legal matters of reputed companies related to Personnel, Administrative, Corporate, Contract, Arbitration.
13.	Public Governance Advisor	Degree or equivalent in Public Administration with experience in Water Resources, Power and Infrastructure Development Projects
14.	Environment Specialist	M.E (Environment) with experience in Water Resources, Power and Infrastructure Development Projects
15.	Structural Expert	Master or equivalent in Structural Engg./B.E. (Civil)
16.	Geotechnical Expert	Master or equivalent in Geotechnical Engg./Soil Mechanics with experience in Water Resources, Power and Infrastructure Development Projects
17.	Geologist	Master or equivalent in Geology with experience in Water Resources, Power and Infrastructure Development Projects
18.	GIS Expert	Master or equivalent in GIS and with experience in Water Resources, Power and Infrastructure Development Projects
19.	Construction Supervision Engineers (Civil/Electrical/Mechanical)	Diploma (Civil/Electrical/Mechanical) with relevant experience

Sl.No.	Expertise	Desired Qualification
20.	Sea Outfall Specialist	B.E. (Civil) with relevant experience in design, construction, rehabilitation and contract management of sea outfalls and other underwater civil works.
21.	Project Management Expert	BE/B Tech (in relevant field) and MBA in Project Management.