

**Annexure-I****Categories of Consultants Required For Empanelment
(On Short / Long Term Basis)**

| Sl.No. | Expertise | Desired Qualification |
|-----------------------------------|-----------------------------------|---|
| Water Resources Sector | | |
| 1. | Irrigation Expert | |
| 2. | Water Resources 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 |
| Infrastructure Development | | |
| 1. | Water Supply Expert (Urban/Rural) | B.E. (Civil)/M.E (Public Health/Envnt.) or equivalent with relevant experience |
| 2. | Sewerage Expert | B.E. (Civil)/M.E (Public Health/Envnt.) or equivalent with relevant experience |
| 3. | Low Cost Sanitation Expert | B.E. (Civil) / M.E. (Public Health/Envnt.) with relevant experience |
| 4. | Drainage Expert | B.E. (Civil)/M.E (Public Health/Envnt.) or equivalent with relevant experience |
| 5. | Solid Waste Management Specialist | B.E. (Civil) with Experience in Solid Waste Management |



| Sl.No. | Expertise | Desired Qualification |
|-----------------------------|--|---|
| 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. | Contract Management Specialist | B.E. (Civil) with experience in Contract Management in Water Resources, Power and Infrastructure Development Projects |
| 2. | Mechanical Expert | B.E. in Mechanical Engineering / Master or equivalent with relevant experience |
| 3. | Procurement Specialist | B.E.(Civil/Electrical/Mechanical) with Experience in Procurement Management for Engineering Projects |
| 4. | Economist | Master or equivalent in Economics with experience in Water Resources, Power and Infrastructure Development Projects |
| 5. | Financial Analyst | Master or equivalent degree in Finance preferably BE(Civil) with experience in Water Resources, Power and Infrastructure Development Projects |
| 6. | Financial Management Specialist | Chartered Accountant preferably BE(Civil) with experience in Water Resources, Power and Infrastructure Development Projects |
| 7. | ERP Consultant | B.Tech./MCA/CA with minimum experience of 5 years in IT field |
| 8. | Environment Specialist | M.E (Environment) with experience in Water Resources, Power and Infrastructure Development Projects |
| 9. | Structural Expert | Master or equivalent in Structural Engg./B.E. (Civil) |
| 10. | Geologist | Master or equivalent in Geology with experience in Water Resources, Power and Infrastructure Development Projects |
| 11. | Electrical Engg. (Internal & External) | BE (Electrical) |
| 12. | Construction Supervision Engineers (Civil/Electrical/Mechanical) | Diploma (Civil/Electrical/Mechanical) with relevant experience |