

Ministry of Irrigation

Central Engineering Consultancy Bureau (CECB)

**INVITATION FOR OBTAINING SERVICES OF
CONSULTANCY EXPERTS ON FULL TIME BASIS AND
PART TIME BASIS**

The Central Engineering Consultancy Bureau (CECB) is a premier engineering consultancy organization at the forefront of Infrastructure development in the country with wide range of expertise in different engineering disciplines.

General Manager of CECB invites proposals to obtain services of Consultancy Experts to obtain a services for future projects of CECB.

Water Resources Project

1. Team Leader
2. Structural Design Engineer
3. Hydrologist
4. Hydraulic Modeller
5. Hydraulic Engineer
6. Hydro Mechanical Engineer
7. Electro Mechanical Engineer
8. Surveyor
9. Economist
10. Social Expert
11. Disaster Management Specialist

Highway Projects

1. Team Leader
2. Senior Structural Design Engineer
3. Senior Highway Design Engineer
4. Senior Geotechnical Engineer
5. Senior Pavement Engineer
6. Deputy Team Leader
7. Structural Design Engineer
8. Highway Design Engineer
9. Pavement Design Engineer
10. Drainage & Hydrology Engineer
11. Geotechnical Engineer (Design)
12. Highway Construction Engineer
13. Structural Construction Engineer
14. Contract claim specialist
15. Senior Quantity Surveyor
16. Planning and Programming Engineer
17. Material Engineer
18. Site Engineers

MEP Services

1. Senior Electrical Engineer
2. Senior Building Services Engineer

National & International Projects

1. Team Leader
2. Procurement Specialist
3. Monitoring and Evaluation Specialist
4. Legal Specialist
5. Construction Supervision Engineer
6. Coastal Engineer
7. Navigation Specialist
8. Structural Engineer / Design Engineer (maritime)
9. Market Economist
10. Naval Engineer
11. Ships Engineer
12. Financial Analysts
13. Environmental and Social Safeguard Specialist

The qualifications and experience relevant to above posts could be downloaded Below (CECB Web Site).

Please E-mail your CV to bpu@cecb.lk to reach on or before 25.11.2024

You are advised to obtain further information or clarifications by contacting Head of Business Promotion Unit, CECB through the telephone No. 0112-668847 if necessary.

General Manager
CENTRAL ENGINEERING CONSULTANCY BUREAU

Water Resources Projects			
No	Area of Expertise	Basic Qualifications	Experience
01	Team Leader	Chartered Engineer having a Master's Degree in Structural Engineering / Hydraulics / hydropower / Hydrology / water resource management / irrigation / drainage / hydro technical tunnels / flood control engineering	Minimum 15 years of experience in managing large Project teams and one Project for flood studies/hydropower projects/Dams/ Irrigation projects. Excellent communication and reporting skills are required.
02	Structural Design Engineer	Chartered Engineer having a Master's Degree in Structural Engineering	Minimum 15 years of experience with 10 years experience in design of water related structures including in design of dams, flood walls and outlet structures, power houses, bridges and shall be conversant with up-to-date design software for dams, embankments, retaining structures intake and outlets and drainage structures. Good communication and reporting skills.
03	Hydrologist	Chartered Engineer having a Master's Degree in hydrology /Water resources management	Minimum 15 years experience in hydrometric, hydro meteorological data validation, processing and frequency and time series analysis, analysis of extremes, execution of flood and drought studies, generation of synthetic series, and rainfall-runoff and groundwater modelling.
04	Hydraulic Modeller	Chartered Engineer having a Master's degree in hydrological and hydraulic engineering	Minimum 10 years' experience in development, calibration, validation and application of flood flow and inundation modelling including 1D, 1D2D and 2D hydraulic models studies.
05	Hydraulic Engineer	Chartered Engineer having Master's degree in Hydraulic /hydropower Engineering	Minimum 15 years of experience in hydraulic design of spillways, weirs flood protections, dikes, overflow weirs, inlet and outlet structures and shall be conversant with up-to-date design software. Good communication and reporting skills are required.
06	Hydro Mechanical Engineer	Chartered Engineer having Bachelor's Degree in Mechanical Engineering	Minimum 15 years of experience in designing water related gated structures, hydropower plants and pumping stations.

07	Electro Mechanical Engineer	Chartered Engineer having Bachelor's Degree in Electrical /Mechanical Engineering	Minimum 15 years of experience in designing of electrical components of water related gated structures, SCADA systems, hydropower plants and pumping stations.
08	Surveyor	Licensed surveyor registered in Sri Lanka	Minimum 10 years of experience in carrying out topographical surveys and UAV surveys for water resource development projects.
09	Economist	Master's degree in Economics	Minimum 15 years of experience in execution of cost- benefit analysis for hydropower projects, irrigation projects, flood risk investigations and flood protection designs. Good communication and reporting skills are required.
10	Social Expert	Master's degree in sociology or relevant field	Minimum 15 years of experience in social assessments in hydropower, irrigation, flood studies and other infrastructure projects. Excellent communication and reporting skills are required.
11	Disaster Management Specialist	Chartered Engineer having Master's degree in disaster management or relevant field	Minimum 15 years of experience in preparation of Emergency Action Plans in water resource development projects and flood studies. Excellent communication and reporting skills are required.

Highway Projects			
No	Area of Expertise	Basic Qualifications	Experience
01	Team Leader	Professionally qualified BSc Civil Engineer (qualification shall be as acceptable to Institution of Engineers Sri Lanka)	Minimum of 20 years' experience in construction supervision and at least 10 year experience in highway and bridge construction out of which at least 05 years' experience shall have been spent in similar capacity leading teams of professionals in projects of similar scope and in the team Leadership, management and contract administration of civil works carried out under the FIDIC conditions of contract. Work experience in a EPC/Turnkey contract would be Required. To act as the Employer's Representative under the civil work contracts and to represent the consultants and act as the consultant's focal point in all matters relating to the Consultancy agreement and performance of the consultants.
02	Senior Structural Design Engineer	Professionally qualified BSc Civil Engineer (qualification shall be as acceptable to Institution of Engineers Sri Lanka) and a relevant Master Degree qualification	Minimum of 15 years' experience out of which 6 years' experience as a Structural / Bridge Design Engineer for expressways.
03	Senior Highway Design Engineer	Professionally qualified BSc Civil Engineer / BSc Quantity Surveyor, with membership of Royal Institute of Chartered Surveyors qualifications (MRICS or above)	Minimum of 20 years' experience in contract administration carried out Contract / under FIDIC Conditions of Contract, and out of which 10 years as a Contract/ Claim Specialist. Responsible for Contract Document finalization, claims analysis, claims management and dispute resolution. 3 years' experience in Similar capacity projects implemented under FIDIC EPC/Turnkey.
04	Senior Geotechnical Engineer	Professionally qualified BSc Civil Engineer (qualification shall be as acceptable to Institution of Engineers Sri Lanka) and a relevant Master Degree qualification	Minimum of 15 years' experience, out of which 6 years' experience in soil investigations, foundation investigations, soft soil treatment designs, designs of foundation for heavy structures, including experience in settlement analysis, slope analysis, slope protection and evaluation related to roads & Expressway construction.

05	Senior Pavement Engineer	Professionally qualified BSc Civil Engineer or equivalent (qualification shall be as acceptable to Institution of Engineers Sri Lanka) and a relevant Master Degree qualification	Minimum of 15 years' experience in materials, pavement design and construction, out of which 6 year experience in a tropical climate as a Materials Engineer in establishment and monitoring of the site based construction materials quality control and testing facilities, testing regimes and reporting system and out of which 5years should have been spent in the design, testing of road pavements, sub grade and road construction materials.
06	Deputy Team Leader	Professionally qualified BSc Civil Engineer (qualification shall be as acceptable to Institution of Engineers Sri Lanka)	Minimum of 15 year experience out of which 10 year experience in construction supervision in major Highway/ Expressway projects or senior managerial experience in highway sector.
07	Structural Design Engineer	Professionally qualified BSc Civil Engineer (qualification shall be as acceptable to Institution of Engineers Sri Lanka)	Minimum of 12 years' experience out of Which 5 years' experience as an Expressway Structural Designs Engineer.
08	Highway Design Engineer	Professionally qualified BSc Civil Engineer (qualification shall be as acceptable to Institution of Engineers Sri Lanka)	Minimum of 12 years' experience out of Which 5 year experience as a Highway Designs Engineer experienced in at least one expressway design.
09	Pavement Design Engineer	Professionally qualified BSc Civil Engineer (qualification shall be as acceptable to Institution of Engineers Sri Lanka)	Minimum of 12 year experience in materials, out of which 5 year experience in a tropical climate as a Materials Engineer in establishment and monitoring of the Pavement Design Engineer site based construction materials quality control, pavement designs, testing facilities, testing regimes and reporting system and road construction materials.
10	Drainage & Hydrology Engineer	Professionally qualified BSc Civil Engineer (qualification shall be as acceptable to Institution of Engineers Sri Lanka)	Minimum of 12 years' experience out of Which 5 years' experience in Hydrology survey and drainage design in expressway projects.
11	Geotechnical Engineer (Design)	Professionally qualified BSc Civil Engineer (qualification shall be as acceptable to Institution of Engineers Sri Lanka)	Minimum of 12 year experience out of which 5 year experience in Soft Soil Treatment, heavy embankment designs, foundation design of structures etc.

12	Highway Construction Engineer	Professionally qualified BSc Civil Engineer (qualification shall be as acceptable to Institution of Engineers Sri Lanka)	Minimum of 12 year experience, out of which 5 year experience in major Highway Construction Supervision.
13	Structural Construction Engineer	Professionally qualified BSc Civil Engineer (qualification shall be as acceptable to Institution of Engineers Sri Lanka)	Minimum of 12 year experience out of which 5 year experience in construction supervision of major bridges and structures.
14	Contract claim specialist	Professionally qualified BSc Civil Engineer / BSc Quantity Surveyor, with membership of Royal Institute of Chartered Surveyors qualifications	Minimum of 10 years' experience in contract administration carried out under FIDIC Conditions of Contract, and out of which 5 years as a Contract/ Claim Specialist. Responsible for Contract Document finalization, claims analysis, claims management and dispute resolution.
15	Senior Quantity Surveyor	Professionally qualified BSc Quantity Surveyor (qualification shall be as acceptable to Institute of Quantity Surveyors Sri Lanka)	Minimum of 10 years of experience in quantity surveying, out of which 5 years of experience in highway projects in claim assessment, preparation of extension of time, progress monitoring and reporting, budgeting, cost controlling, and payment certification for major road works contracts.
16	Planning and Programming Engineer	BSc Engineer (qualification shall be as acceptable to Institution of Engineers Sri Lanka) and PG Dip./ Master degree in Construction Project Management	Minimum of 12 years' experience out of which 5 year experience as Planning/ Programming Engineer in Planning of major highways and structures. Experience in Working using Primavera Programme is required.
17	Material Engineer	BSc Civil Engineer or equivalent (qualification shall be as acceptable to Institution of Engineers Sri Lanka)	Minimum of 12 year experience, out of which 5 year Experience as Materials Engineer in major road construction projects.
18	Site Engineer	BSc Civil Engineer or equivalent (qualification shall be as acceptable to Institution of Engineers Sri Lanka)	Minimum of 5 years construction Supervision experience related road projects.
19	Environment and Social Specialist	Master Degree relevant to Environmental Science	Minimum of 12 year experience in Environmental Impact Assessment (EIA), EMP and monitoring.

20	Licensed Surveyor	Licensed surveyor	Minimum of 8 years of experience in highway projects. Responsible for setting out works, topographical survey work, checking the Contractor's survey works and assisting measurements.
21	Technical Officer	National Diploma in Technology (NDT) Civil or equivalent qualifications	Minimum of 5 years' experience in road and bridge construction supervision.
22	CAD Draughtsman - Highway Design	National Certificate in Engineering Draughtsman or equivalent qualifications	Minimum of 3 years' experience in CAD drafting for highways.
23	CAD Draughtsman - Structural Design	National Certificate in Engineering Draughtsman or equivalent qualifications	Minimum of 3 year experience in CAD drafting for structures.

MEP Services			
No	Area of Expertise	Basic Qualifications	Experience
01	Senior Electrical Engineer	Chartered Engineer (MIESL) having a Degree in Electrical Engineering. (Post Graduate qualifications in Electrical Installations or Building Services will be specially considered)	Minimum 10 years of experience after graduation and 05 years after obtaining the Charter, in designing and contract administration of Electrical Installations in building and other infrastructure projects. Experience in renewable energy related projects, energy auditing and technical auditing. Excellent communication and reporting skills are required.
02	Senior Building Services Engineer	Chartered Engineer (MIESL) having a Degree in Mechanical Engineering. (Post Graduate qualifications in Mechanical or Building Services will be specially considered)	Minimum 15 years of experience after graduation and 05 years after obtaining the Charter, in designing and contract administration of Installations of building services such as Central Air conditioning systems, Fire Protection and detection systems, Piped LP/Medical gas systems, Vertical transportation systems, Water supply and drainage systems in high rise/medium rise buildings and other infrastructure projects. Excellent communication and reporting skills are required.

National and International Projects			
No	Area of Expertise	Basic Qualifications	Experience
01	Team Leader	Bachelor degree in engineering or a related field and Master's degree in engineering or management	Minimum 15 years of experience in management of water supply with 10 years of experience in water supply and sanitation. Experience in WB/ External aided projects or similar projects financed by multilateral development agencies in the South Pacific is preferred.
02	Procurement Specialist	Post Graduate University Degree in Supply chain management or equivalent	Minimum 10 years of experience in procurement for projects financed by international financial organizations. Knowledge of World Bank procurement regulations and procedures.
03	Monitoring and Evaluation Specialist	Post Graduate University Degree in Monitoring and Evaluation or equivalent and Degree in Law from a recognized University	Minimum 15 years of experience with at least 5 years of Experience in carrying out M&E activities associated with development projects.
04	Legal Specialist	Degree in Law from a recognized University	Minimum 15 years of experience with working experience in construction Projects.
05	Construction Supervision Engineer	Bachelor degree in Civil engineering or a related field	Minimum 8 years of experience on water supply and sanitation projects, including design, procurement, construction supervision and commissioning of water and sanitation infrastructure.
06	Coastal Engineer	MSc / MPhil / PG Dip or higher qualification in Coastal Engineering	Minimum 08 years of experience related to Coastal structures, Structural parameters, hydraulic modelling, morphological/hydraulic changes in coast and harbour calmness in sea ports.
07	Navigation Specialist	Masters / equivalent or higher qualification in Navigation in maritime industry	Minimum 15 years' experience related to planning /designing of Navigational channel, analyzing navigation safety vessel maneuverability in the Access & Approach Channel.
08	Structural Engineer / Design Engineer (maritime)	Graduate degree in Civil Engineering from a recognized university	Minimum 08 years of experience in Structural Engineering in design of port related structures, construction, maintenance, and/or inspection of coastal and port works with experience in coastal protection structures.

09	Market Economist	MSc / MBA or higher qualification in Finance and economics	Minimum 08 years' experience in International Economic, Business and international trade facilitation and cargo forecasting.
10	Naval Engineer	Graduate degree in Civil or Naval Engineering or another relevant discipline from a recognized university	Minimum 10 years of experience in coastal and harbor engineering assignments design, supervision, construction, or repair works on coastal protection or wharf improvement Experience in a multi-disciplinary team preferably with a World Bank project would be an advantage.
11	Ships Engineer	Graduate degree in Naval engineering or another relevant discipline from a recognized university	Minimum 10 years of experience in the engineering design, construction, maintenance of the ships, class control, or management of the shipyard. Experience in managing the shipyard will be an advantage.
12	Financial Analysts	Bachelor's degree in Finance, Accounting, Economics, Business from a recognized university	Minimum 10 years of experience giving a service of Financial Analysis services in at least of 3 Feasibility Studies. • Certifications of Chartered Financial Analyst (CFA) would be an advantage.
13	Environmental and Social Safeguard Specialist	Bachelor's degree in Environmental Engineering, environmental/social science, or related discipline	Minimum 5 years' experience in environmental management on civil construction projects including experience in assessing environmental and social impacts associated with infrastructure projects.