

Terms of Reference

THE REPUBLIC OF TAJIKISTAN MINISTRY OF HEALTH AND SOCIAL PROTECTION OF THE POPULATION MATERNAL AND CHILD HEALTH INTEGRATED CARE PROJECT (G0627-TAJ)

DESIGN AND SUPERVISION OF CIVIL WORKS AND EQUIPMENT

I. BACKGROUND

The Republic of Tajikistan received a grant from the Asian Development Bank (ADB) for the implementation of the Maternal and Child Health Integrated Care Project in Tajikistan. The Maternal and Child Health Integrated Care Project will help address key issues affecting Tajikistan's health sector, such as inadequate funding, outdated infrastructure and health facilities, as well as lack of qualified medical professionals and healthcare providers, especially in rural areas.

Ministry of Health and Social Protection of the Population of the Republic of Tajikistan (MOHSPP) is the Executing Agency (EA) of the Project. Project Administration Group (PAG) is established for implementation of the project. The role of the PAG is to manage day to day implementation of project activities including operational and budget planning, recruitment and deployment of national and international Consultants, procurement of works (construction and rehabilitation of health care facilities) and goods (medical and non-medical equipment), monitoring and evaluation of project progress, analysis of issues to identify need for action, and reporting to the Project Director and MOHSPP.

II. OBJECTIVES OF THE ASSIGNMENT

The objective of this consultancy is to support the MOHSPP with the planning, procurement, and supervision of construction and rehabilitation works, and the planning, procurement and supervision of the installation of medical and non-medical equipment at selected health care facilities in the Project's target districts to improve access to quality maternal and child health (MCH) integrated care.

III. SCOPE OF THE ASSIGNMENT

1. The Design and Supervision Consultant will have to fulfil the following tasks:
 - (i) Develop preliminary a detailed design for rehabilitation works and (new) construction of district health care facilities following the infrastructure development program prepared by the TRTA (concept design);
 - (ii) Establish the detailed list of equipment and materials to be procured to assure full functioning of the rehabilitated / newly constructed health care facilities; and
 - (iii) Supervise construction and rehabilitation works and equipment delivery and installation for the following projects:

District	Facility	Size m2
Rasht	Hospital – MCH – Rehabilitation	1,925
	District Health Center (DHC) – New	998
	D&T Block – New	3,024
	Antepartum Dormitory – Rehabilitation	750
	Total Size	6,697
Fayzobod	Hospital - OB/GYN – Rehabilitation	1,980
	Hospital – Pediatrics - Rehabilitation	525
	District Health Center (DHC) – Equipment only	
	D&T Block – New Construction	3,024
	Total Size	5,529
S. Shohin	Central District Hospital – New Construction	3,745
	District Health Center (DHC)	
	Total Size	3,745

2. The firm will closely work with the Executive Agency, the Ministry of Health and Social Protection of the Population of the Republic of Tajikistan (MOHSPP) and the Project Administration Group (PAG) and provide services to:

- (i) Review the master plan and concept design and Initial Environmental Examination and related documents prepared under the Transaction Technical Assistance (TRTA);
- (ii) Develop tests, preliminary design and equipment and furniture lists and estimates
- (iii) Develop detailed design and technical specifications for materials needed to prepare the tender documents for works;
- (iv) Detailed bill of quantities and related item per item estimates
- (v) For equipment medical and non-medical, furniture: define the list of items, bill of quantities, technical specifications, delivery and installation requirements, related services and delivery and installation planning to prepare the bidding documents
- (vi) Support the preparation of the bidding documents for works and goods according to the last ADB regulations
- (vii) Act as “The Engineer”
- (viii) Supervise the construction works as well as deliveries and installations of medical and non-medical equipment and furniture;
- (ix) Review the mensal Contractor’s claims and Environmental Management Plan for each facility
- (x) Support the EA to manage the Contractors variation order and disputes risks
- (xi) Report on project progress until completion (final reception of works and equipment).

3. The facilities shall be constructed in a manner that will set standards for the provision of quality care, for environmental protection as well as for easy operation and maintenance of the infrastructure and its equipment. To achieve this objective, the buildings shall provide several

energy saving and comfort enhancing features to be developed by the consultant. Electrical power and water supply, sewage and waste treatment, and any other necessary utility must be made available considering principles of sustainable operation of the facilities as well as the rules of site specific design based on common (national and international) standards.

4. Contracts for works shall be awarded on behalf of and in cooperation with the Executing Agency by way of open competitive bidding. Contracts for the supply of medical equipment shall be awarded on behalf of and in cooperation with the Executing Agency by way of open competitive bidding; Contracts for the supply of non- medical devices and office equipment shall be awarded through open competitive bidding.

5. Furthermore, the Health Care facilities need to improve their maintenance systems for infrastructure (buildings and installations) and for medical and non-medical equipment to sustain operations and value the investments made and still to be made in the development of the health care infrastructure. In this context, a strategy shall be developed, and different approaches and models experimented to attract private sector entities to invest in and support the establishment of a public private partnership that would provide both preventive and curative maintenance services for health care facilities (buildings and installations) and medical equipment.

Specific Tasks and Activities

a. Architectural and Engineering Design

- (i) Review and update the concept design developed during TRTA for each facility; adapt the design to the local conditions of the selected site;
- (ii) Perform all necessary test (soil, water power supplies, sewages, etc.) to prepare the facilities design;
- (iii) Develop preliminary design for all facilities that includes the technical requirement, list of equipment and furniture and the draft of the technical specifications, preliminary estimates
- (iv) Develop detailed architectural and engineering design for the construction work. The detailed digital architectural and engineering drawings ready for construction (considering the equipment and furniture installation, the sustainability and the needs for energy supply and savings, water supply and sanitations). This design will be used as a baseline to monitor construction and automatically detect the discrepancies against design and actually constructed material during the construction. The architectural and engineering design needs to be 3D plus additional 4th layer to manage construction progress. The design should be done through commercial best-in-class Building Information Model (BIM) software which has standard API to export the data, to be approved by ADB;
- (v) Upload detailed design data which was created by aforementioned BIM software to the design monitoring and discrepancy detection solution that ADB provides. Re-upload as design needs to be updated;
- (vi) Elaborate Bills of Quantities (BoQ) for civil works with cost estimates and submit for approval the detailed design and BOQ for State Expertise;
- (vii) Develop the works and disbursement schedules;
- (viii) Train the PAG staff on facility design and costs estimates based on market price.
- (ix) Assist PAG with the preparation of Bidding Documents for the procurement of works through open competitive bidding (OCB) using SBD ADB June 2018 or amended.
- (x) Support the PAG with the pre-bidding meetings, the answers to bidders' requests of clarifications, bid (technical and financial) evaluations according to ADB regulations 2017

and amended, preparing the required report, the contracts negotiations and contract preparation.

b. Planning and Procurement of Equipment

- (i) Review and develop the equipment and furniture needs for each facility;
- (ii) Assist PAG and the MOHSPP with the procurement of equipment and furniture, verifying the technical specifications and all related services requirements developed by / with the MOHSPP staff.
- (iii) Establish BoQ for the procurement of medical and non-medical equipment furniture ICT equipment, related services (trainings, users' manuals, spare parts for 2 years) and detailed costs estimated for each facility;
- (iv) Develop all related documents necessary to prepare the bidding documents (SBD ADB Goods 2018 as amended from time to time)
- (v) Support the PAG with the pre-bidding meetings, the answers to bidders' requests of clarifications, bid (technical and financial) evaluations according to ADB regulations 2017 as amended from time to time, preparing the required report, the contracts negotiations and contract preparation. Assist the PAG to technically and financially evaluate the bidders and reports preparation
- (vi) Assist the PAG and EA for the contracts negotiations and contract finalizations

c. Supervision of Construction Works and Installation of Equipment and Furniture

- i. Act as "The Engineer" and perform the following:
 - Assist PAG with contracts management and supervision of construction works and advise the Employer on all matters pertaining to the contracts and to disputes;
 - Develop a comprehensive system of inspection checking and recording to ensure compliance of all works with the specifications;
 - Provide day-to-day supervision and inspection of works on site; maintaining by the supervision staff of a site diary covering all contractors' activities, and recording site conditions;
 - Perform at least a weekly visit with the PAG staff and the Health facility staff;
 - Monitor construction progress and achieve digital image of the construction by camera which can be done through Drone and/or Mobile device. The digital image requires to be enough high resolution which can be recognized digitally, and have enough Meta-data to compare with aforementioned baseline detail design in the section a. (iv);
 - Upload the digital image data to design monitoring and discrepancy detection solution in the milestone and periodic as agreed with ADB;
 - Provides the corrective action when the discrepancy between design and construction is detected by ADB-approved design and construction monitoring software solution;
 - Support the Employer managing the Contractor's claims, variation orders, etc.
 - Examine and make recommendations to the Employer on all claims from contractors for time execution, additional payments, work or expenses or similar matters;
 - Develop interim and final measurement and payment systems; establish a monitoring system for costs to date, and costs to completion;
 - Provide the Employer with complete records and assist Contractor(s) with the establishment of "As Built" drawings;

- Certify completion and hand over of parts or all the works and equipment installed; develop a system for the preparation of interim and final payment certificates;
 - Assist PAG with provisional and final reception and payment of all buildings.
- (ii) Review the Contractor Environment Plan to be in accordance with GoT and ADB regulations;
- (iii) Determine operation and maintenance costs for all facilities buildings;
- (iv) Assist with the Procurement of Equipment and Furniture:
- Assist the PAG in accepting the proposed Suppliers' samples;
 - Supervise the delivery and installation of the equipment furniture and of users' training by the suppliers;
 - Verify handbooks and training materials provided by the suppliers and the correctness of the translation into Tajik and Russian;
 - Assist the PAG with interim and final payments of suppliers' claims and payment process;
 - Assist the PAG to deal with the Suppliers' variations order requests
 - Assist PAG with the provisional and final reception of all equipment and furniture
 - Support facility managers with the development and implementation of an equipment maintenance concept & manuals.
- (v) Assist with the Development of a Maintenance System:
- Assess existing maintenance systems and the its financing process in the health facilities in the concerned district (budgets, staffing, performance in operation, strategic perspectives)
 - Analyze previous work on maintenance implemented in the sector
 - Identify and document best national and international maintenance practice
 - Cost standard health facilities maintenance and determine the potential sources of funding
 - Recommend alternative maintenance models appropriate for Tajikistan, including detailed description of their respective financing, staffing and management models / approaches
 - Analyze the hospital buildings and equipment maintenance market in Tajikistan
 - Identify potential partners and propose a strategy to attract them through different types of contracts eventually PPP model
 - Provide capacity building for staff / hospital management teams to help them effectively implementing the health facilities building and equipment maintenance practices
 - Support the development and implementation of a hospital maintenance concept and plan with KFW and JICA
 - Support facility managers with the development and implementation of a maintenance concept & manuals.

IV. DELIVERABLES

1. General Reporting Requirements

- i. The Consultant shall work directly with structural units of the MOHSPP and health care facilities in close interaction with relevant staff of the PAG;

- ii. The Consultant shall be accountable directly to the PAG Manager;
- iii. Produced reports shall contain information on progress achieved, findings identified, and recommendations;
- iv. Reports on results of the Consultant's work shall be agreed with officials in charge appointed by the MOHSPP (further on collectively acting as the Client). The timeframe for reconciliation of the reports by the Client given the presentation of comments is 10 working days.
- v. Design and implementation plan for construction works shall be mutually agreed by the MOHSPP, Heads of the Health Care Facilities and the MOF.

2. Specific Reports to be Submitted.

All reports and minutes are to be submitted as follows: 2 copies to the EA/PAG and 1 copy to ADB. All reports are also to be submitted electronically in pdf format to all concerned persons. All reports shall be issued in the English and the Russian language.

- i. Inception Report to be submitted no later than 4 weeks after contract commencement; the report shall include review of the concept design and recommendation for design development, all necessary testing and equipment lists;
- ii. The Preliminary Design Report taking into consideration Building Energy Management to reduce the recurrent costs and all the necessary tests results to develop the designs no later than 2 months after the contract commencement;
- iii. The Detail Design Report including technical requirements for works, detailed BoQ and estimated costs, works schedules and disbursement plan. The Equipment and furniture lists per facilities and technical specifications related services requirements, BOQ per facilities, delivery and installation schedules no later than 2 months after receiving the Preliminary Design approval.
- iv. Bidding documents for works of the Health Facilities including all necessary drawings for the bidding documents, Bills of Quantities (BOQs) with specifications and detailed cost estimates for each facility no later than 3 weeks after the approval of the detail design report;
- v. Bidding documents for Goods: Medical and Non-medical equipment, furniture, ICT equipment for health facilities no later than 6 weeks after the approval of the detail design report.
- vi. Pre-bid meetings documentation for works and goods;
- vii. Technical and Financial Evaluation methodology for works and goods, trainings documentation for the Evaluation Committee
- viii. Supervision reports
 - Daily record book of Contractors' works;
 - Weekly minutes of meetings with the Contractor, PAG and Facility staff;
 - Monthly reports, including verification and measurement of works performed, verification of Contractors' claims (advance payment, interim monthly claims, works completion claim and final payments);
 - Verification of the Contractor's Environmental, Safety and other required Management Plans required by Tajik Authorities and/or by ADB;
 - Record and comments on Equipment Delivery Status (equipment, trainings, maintenance manuals, and spare-parts delivered / compliance with specifications);
 - Reports on provisional acceptance of works performed and equipment delivered and verification of suppliers' invoices; list of defects that shall be corrected during the defects liability period;
 - Report on works performed, and problems occurred during the defect liability period;

- Verification of as-build drawings and all equipment installation fittings;
 - Reports on Final Acceptance of Works and Equipment and related services; Verification of Contractors' and Suppliers' final invoices;
 - Take-Over Certificates, and Performance Certificates
 - Project Completion Report and a Benefit Monitoring and Evaluation Report in conformity with ADB's guidelines for such reports.
- ix. For the maintenance / physical assets management component
- Report on the assessment of existing maintenance systems and service providers
 - Report on alternative models (including e.g. Public-Private Partnership) for the organization of maintenance services; detailed description of financing, staffing, and management requirements
 - Report on standard cost of hospital maintenance
 - Report on pilot projects implementation, including recommendations to the government
 - Report on capacity building measures
 - Completion report at the end of the assignment

V. REQUIRED EXPERT POSITIONS

Code	Position	Qualification and Experience	PM
CS05-1	Civil Engineer-Resident Engineer (International)	<p><u>General Qualification</u></p> <ul style="list-style-type: none"> - Master's degree in Civil Engineering or equivalent. - Experience in management and supervision of construction works <p><u>Specific experience</u></p> <ul style="list-style-type: none"> - At least 15 years' experience in design and supervision of buildings projects; - S/he has at least worked as Resident Engineer for design supervision of construction and equipment of at least 2 hospitals of a capacity of more than 100 beds; and - Having a background in electrical mechanical and Building Energy Management will be an asset; - Staff training (managerial and technical) for individual and institutional capacity building on contract management will be an asset. <p><u>Experience in the region and language proficiency</u></p> <ul style="list-style-type: none"> - Recent experience in countries with transition economies and experience of working with top-management of national ministries and local authorities would be an advantage; - Proficient in written and spoken English and will be an asset for Russian or Tajik 	38
CS05-2	Architect (International)	<p><u>General qualification</u></p> <ul style="list-style-type: none"> - Master's degree in Architecture or equivalent. - Experience in Design of Health Facilities <p><u>Specific experience</u></p> <ul style="list-style-type: none"> - At least 15 years' experience in design of buildings projects - S/he has at least worked to design 2 hospitals of a capacity of more than 100 beds - Having a background Building Energy Management will be an asset 	4

Code	Position	Qualification and Experience	PM
		<u>Experience in the region and language proficiency</u> <ul style="list-style-type: none"> - Experience of working with top-management of national ministries and local authorities would be an advantage; - Experience in working in Central Asia region will be an advantage - Proficient in written and spoken English and will be an asset for Russian or Tajik 	
CS05-3	Water Sanitation Engineer (International)	<u>General qualification</u> <ul style="list-style-type: none"> - Water and sanitation engineer (B.SC, or equivalent) with at least 10 years of experience. <u>Specific experience:</u> <ul style="list-style-type: none"> - Design of water and sanitation systems for at least 2 hospitals or equivalent buildings; - Projects considering water management and environmental safety issues in cold weather regions; - Supervision of water and sanitation systems in hospitals and review of contractor drawings and designs for equipment fittings. <u>Experience in the region and language proficiency</u> <ul style="list-style-type: none"> - Experience of working with top-management of national ministries and local authorities would be an advantage; - Experience in working in Central Asia region will be an advantage - Proficient in written and spoken English and will be an asset for Russian or Tajik 	4
CS05-4	Biomedical Engineer & Equipment Maintenance (International)	<u>General qualification</u> <ul style="list-style-type: none"> - M.SC or equivalent in biomedical engineering - At least 10 years of experiences in hospital equipment planning and management. <u>Specific Experience:</u> <ul style="list-style-type: none"> - Preparation of equipment bid documents (medical and non-medical), development of technical specifications for at least 3 hospitals providing in- and outpatient services; - Review of construction drawings, equipment fittings; - Supervision of installation works and commissioning of medical and non-medical equipment in at least 3 hospital projects. - Experience with the procurement of equipment under ADB or other IFI (e.g. WB) regulations - Experience in maintenance system development in health care facilities (buildings and equipment) preferably in countries with similar economic background. - Staff training (managerial and technical) for individual and institutional capacity building <u>Experience in the region and language proficiency</u> <ul style="list-style-type: none"> - Experience of working with top-management of national ministries and local authorities would be an advantage; - Experience in working in Central Asia region will be an advantage - Proficient in written and spoken English and will be an asset for Russian or Tajik 	4

Code	Position	Qualification and Experience	PM
CS05-5	Structural Engineer - Deputy Resident Engineer (National)	<p><u>General qualification</u></p> <ul style="list-style-type: none"> - Registered Structural Engineer (M.Sc. Structural Engineering) - At least 10 years of experience in building design, demonstrate a leadership to manage a supervision team. <p><u>Specific experience:</u></p> <ul style="list-style-type: none"> - Structural design of at least 2 buildings (5 floors or 1,800 m2) taking into account energy management aspects; - Supervision of building contract; - work on the structural design of a hospital would be an asset - Staff training (managerial and technical) for individual and institutional capacity building <p><u>Experience in the region and language proficiency</u></p> <ul style="list-style-type: none"> - Experience of working with top-management of national ministries and local authorities would be an advantage; - Proficient in written and spoken English will be an asset 	48
CS06-6	Architect (National)	<p><u>General qualification</u></p> <ul style="list-style-type: none"> - Master's degree in Architecture or equivalent. - Experience in Design of Health Facilities will be an asset <p><u>Specific experience</u></p> <ul style="list-style-type: none"> - At least 15 years' experience in design of buildings projects (3 floors or 1,800 m2) - S/he has at least worked to design 2 health facilities will be an asset <p><u>Experience in the region and language proficiency</u></p> <ul style="list-style-type: none"> - Experience of working with top-management of national ministries and local authorities would be an advantage; - Proficient in written and spoken English will be an asset 	4
CS05-7	HVAC Engineer (National)	<p><u>General qualification</u></p> <ul style="list-style-type: none"> - Registered HVAC Engineer (B.SC. or equivalent) - At least 10 years of professional experience. <p><u>Specific Experience:</u></p> <ul style="list-style-type: none"> - Design of HVAC and medical gas distribution systems for at least 2 hospitals or equivalent buildings; - Experience in design of HVAC for clean rooms; air handling, air filtration, and heating systems in cold weather regions taking into account the building energy management; - Supervision and commissioning of HVAC systems in hospitals. <p><u>Experience in the region and language proficiency</u></p> <ul style="list-style-type: none"> - Experience of working with top-management of national ministries and local authorities would be an advantage; - Proficient in written and spoken English will be an asset 	4
CS05-8	Electrical Engineer (National)	<p><u>General qualification</u></p> <ul style="list-style-type: none"> - Registered Electrical Engineer (B.SC. or equivalent) - At least 10 years of professional experience. <p><u>Specific Experience:</u></p> <ul style="list-style-type: none"> - Design of the electrical systems for at least 2 hospitals with imagery equipment or equivalent buildings; 	4

Code	Position	Qualification and Experience	PM
		<ul style="list-style-type: none"> - Knowledge of the Building Energy Management will be an asset; - Supervision and commissioning of Electrical systems in buildings. <p><u>Experience in the region and language proficiency</u></p> <ul style="list-style-type: none"> - Experience of working with top-management of national ministries and local authorities would be an advantage; - Proficient in written and spoken English will be an asset 	
CS05-9	Water Sanitation Engineer (National)	<p><u>General qualification</u></p> <ul style="list-style-type: none"> - Water and sanitation engineer (B.SC, or equivalent) with - at least 10 years of experience. <p><u>Specific experience:</u></p> <ul style="list-style-type: none"> - Design of water and sanitation systems for at least 2 hospitals or equivalent buildings; - Projects considering water management and environmental safety issues in cold weather regions; - Supervision of water and sanitation systems in hospitals and review of contractor drawings and designs for equipment fittings. <p><u>Experience in the region and language proficiency</u></p> <ul style="list-style-type: none"> - Experience of working with top-management of national ministries and local authorities would be an advantage; - Proficient in written and spoken English will be an asset 	4
CS05-10	Material Engineer (National)	<p><u>General qualification</u></p> <ul style="list-style-type: none"> - Civil engineer (B.SC, or equivalent) with - at least 10 years of experience as Material Engineer. <p><u>Specific experience:</u></p> <ul style="list-style-type: none"> - Supervision of at least 3 construction projects; assessment of the contractor's proposed construction materials and supervision of laboratory and other testing procedures. <p><u>Experience in the region and language proficiency</u></p> <ul style="list-style-type: none"> - Experience of working with top-management of national ministries and local authorities would be an advantage; - Proficient in written and spoken English will be an asset 	4
CS05-11-1	Site Engineer (National)	<p><u>General qualification</u></p> <ul style="list-style-type: none"> - Civil engineer (B.SC, or equivalent) with - at least 5 years of experience as Site Engineer. <p><u>Specific experience:</u></p> <ul style="list-style-type: none"> - Supervision of at least 3 construction projects; - Assessment of the quality contractor's works - Measurement of quantities performed - Training in building construction safety. <p><u>Experience in the region and language proficiency</u></p> <ul style="list-style-type: none"> - Experience of working with top-management of national ministries and local authorities would be an advantage; - Proficient in written and spoken English will be an asset 	48
CS05-11-2	Site Engineer (National)	<p><u>General qualification</u></p> <ul style="list-style-type: none"> - Civil engineer (B.SC, or equivalent) with - at least 5 years of experience as Site Engineer. 	48

Code	Position	Qualification and Experience	PM
		<u>Specific experience:</u> <ul style="list-style-type: none"> - Supervision of at least 3 construction projects; - Assessment of the quality contractor's works - Measurement of quantities performed - Training in building construction safety. <u>Experience in the region and language proficiency</u> <ul style="list-style-type: none"> - Experience of working with top-management of national ministries and local authorities would be an advantage; Proficient in written and spoken English will be an asset	
CS05-11-3	Site Engineer (National)	<u>General qualification</u> <ul style="list-style-type: none"> - Civil engineer (B.SC, or equivalent) with - at least 5 years of experience as Site Engineer. <u>Specific experience:</u> <ul style="list-style-type: none"> - Supervision of at least 3 construction projects; - Assessment of the quality contractor's works - Measurement of quantities performed - Training in building construction safety. <u>Experience in the region and language proficiency</u> <ul style="list-style-type: none"> - Experience of working with top-management of national ministries and local authorities would be an advantage; Proficient in written and spoken English will be an asset	48
CS05-12	Biomedical Engineer & Equip Maintenance (National)	<u>General qualification</u> <ul style="list-style-type: none"> - BSc or equivalent in biomedical engineering - At least 5 years of experiences in hospital equipment planning and management. <u>Specific Experience:</u> <ul style="list-style-type: none"> - Preparation of equipment bid documents (medical and non-medical), development of technical specifications for at least 3 hospitals providing in- and outpatient services; - Review of construction drawings, equipment fittings; - Supervision of installation works and commissioning of medical and non-medical equipment in at least 3 hospital projects. - Experience with the procurement of equipment under ADB or other IFI (e.g. WB) regulations - Experience in maintenance system development in health care facilities (buildings and equipment) preferably in countries with similar economic background. - Staff training (managerial and technical) for individual and institutional capacity building <u>Experience in the region and language proficiency</u> <ul style="list-style-type: none"> - Experience of working with top-management of national ministries and local authorities would be an advantage; Proficient in written and spoken English	10
CS05-13	Social Safeguards Specialist (National)	<u>General qualification</u> <ul style="list-style-type: none"> - Qualified BSc or equivalent in social development or related field, - 5-years of relevant professional experience. <u>Specific Experience:</u>	24

Code	Position	Qualification and Experience	PM
		<ul style="list-style-type: none"> - Worked for IFI projects in fields of Social Safeguards management planning and prepare social safeguards (SSMP) - Organized and deliver Social Safeguards trainings (resettlement, HIV issues) for population and contractors' staff <p><u>Experience in the region and language proficiency</u></p> <ul style="list-style-type: none"> - Experience of working with top-management of national ministries and local authorities would be an advantage; - Proficient in written and spoken Tajik and English will be an asset 	
CS05-14	Environment specialist (National)	<p><u>General qualification</u></p> <ul style="list-style-type: none"> - Qualified BSc or equivalent in Environment, - 5-years of relevant professional experience. <p><u>Specific Experience:</u></p> <ul style="list-style-type: none"> - Worked for IFI projects in fields of environment management planning and prepare and review Contractors' EMP and prepare the related reports according to Tajik and ADB requirement <p><u>Experience in the region and language proficiency</u></p> <ul style="list-style-type: none"> - Experience of working with top-management of national ministries and local authorities would be an advantage; - Proficient in written and spoken Tajik Russian and English 	24
CS05-15	Quality / Document System and CAD Specialist (National)	<p><u>General qualification</u></p> <ul style="list-style-type: none"> - Certified civil engineer or equivalent; - Preferably, 5-years of professional experience. <p><u>Specific Experience:</u></p> <ul style="list-style-type: none"> - Have extensive computer skills and using CAD or similar design software <p><u>Experience in the region and language proficiency</u></p> <ul style="list-style-type: none"> - Experience of working with top-management of national ministries and local authorities would be an advantage; - Proficient in written and spoken Tajik Russian and English 	35

VI. QUALIFICATION OF THE FIRM

Required Qualification of the Firm

The Firm shall fulfill the following requirements

- (i) Confirmed successful experience in developing the design of health care facilities and implementing health care facility projects including equipment and supervision of construction / rehabilitation / modernization works. Successful implementation of at least 3 hospitals of a size of 100 beds including Mother and Child Health Units;
- (ii) Availability of competent personnel with required experience in hospital design and health care facility construction / rehabilitation supervision;
- (iii) Ability to mobilize appropriate resources and team to successfully complete the assignment within the envisaged timeframe;

- (iv) Experience of providing technical support at the international level for a minimum of 4 years is a mandatory requirement;
- (v) Experience with 4D+ design and use of BIM software will be an asset;
- (vi) Work experience in countries of CIS/CEE countries will be an asset.

VII. CLIENT'S INPUT

Client will provide the following inputs, project data and reports to facilitate preparation of the Proposals:

- a. Project Administration Manual
- b. Infrastructure Development Program prepared by TRTA
- c. Technical Assistance Feasibility Study
- d. RRP and all linked documents