



Islamic Emirate of Afghanistan

Ministry of Water and Energy

Procurement Directorate

**Request for Expression of Interest (REOI)
For:**

**Review, Verification and Technical Certification of the Detailed
Design of Dahla Dam Raising, Two Spillway Packages, Six
Saddle Dams and Associated Work**

Project ID: MoWE/1405/ICB/C-2755

Budget code: AFG/410808

**Date:
07/Sep/2026**

Prepared by:

Endorsed by:

Approved by:

Authorized by:



**REQUEST FOR EXPRESSIONS OF INTEREST (REOI)
(CONSULTING SERVICES – FIRMS SELECTION)**

Country: Islamic Emirate of Afghanistan

Assignment Title: Upgrading of Dahla Multipurpose Dam

Duration of Assignment: 16 Weeks (Calendar)

Implementing Agency: Ministry of Water and Energy

Duty Station: Shah Wali Kot District, Kandahar Province.

Contract Type: Ijara (Lump Sum)

Selection Method for Consultant: Quality and Cost Based Selection (QCBS)

Reference No: MoWE/1405/ICB/C-2755

1. Background and Rationale

Dahla Dam is an existing multipurpose reservoir on the Arghandab River in Shah Wali Kot District, Kandahar Province. The original dam and related works were constructed in the early 1950s. The Ministry of Energy and Water has prepared or is completing the detailed design for upgrading the project, including raising the existing main embankment, raising and extending six saddle dams, spillway works, outlet and intake modifications, instrumentation, road realignment and associated facilities.

The proposed works materially change reservoir level, storage, flood routing, seepage conditions, embankment stresses, foundation loading, operating procedures and downstream consequences. They also create safety-critical interfaces between approximately seven decades of existing works and new construction. MEW therefore intends to engage an independent international or suitably qualified national/international consulting firm to conduct a traceable third-party review of the complete detailed design and to issue professional technical approval certificates only after all safety-significant findings have been resolved.

The review shall extend beyond a document-completeness check. It shall include site inspection, review of existing-dam behavior, verification of design data and criteria, selective independent calculations and model run, multidisciplinary interface checks, constructability and construction-stage safety review, comment classification and formal closure, and certification against a controlled final document register.

2. Project Description and Review Particulars

2.1 Feasibility-Level / Proposed Project Data

The following values are extracted from the Dahla Detailed Design TOR and are included to define the expected scale of review. They shall not be treated as approved final design values. The Consultant shall reconcile them with the latest MEW design baseline, identify discrepancies and certify only the controlled final values.

Item	Review Baseline / Required Confirmation
Dam type	Clay-core rockfill embankment / zoned earth fill
Catchment area	Approximately 12,925 km ²
Existing / proposed storage	Approximately 478 / 782 million m ³ as stated in the source TOR; verify against current survey and reservoir-elevation tables
Main dam height	Approximately 60 m existing / 73 m proposed above deepest foundation
Main dam crest elevation	Approximately El. 1,140.9 m existing / El. 1,154 m proposed (WGS 84)
Main dam crest length / width	Approximately 755 m proposed length / 8 m width
Proposed raising	Feasibility concept approximately 13.6 m; final raising value requires independent verification



Item	Review Baseline / Required Confirmation
Saddle Dams 1-5	Proposed heights approximately 18-29 m; combined proposed length approximately 1,995 m
Saddle Dam 6	Proposed height approximately 33 m; proposed length/extension approximately 510 m
Spillway 1	Proposed ogee spillway, approximately 220 m; feasibility discharge approximately 2,301 m ³ /s at PMF routing condition
Spillway 2	Proposed ogee and/or partly gated arrangement, approximately 120 m; feasibility discharge approximately 1,255.2 m ³ /s
Total stated spillway capacity	Approximately 3,556 m ³ /s; independently verify against PMF/IDF and reservoir routing
Outlet tunnel	Approximately 254 m long; historical information indicates about 184 m was unlined and requires inspection/design verification
Road interface	Realignment/raising of Route Bearer Highway and associated drainage/structures

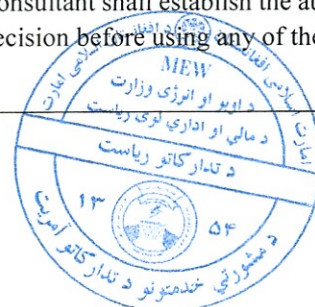
2.2 Components Included in the Review

- Existing main dam raising, including construction sequence, old/new embankment interfaces, crest and abutment tie-ins.
- Main dam left-abutment shear/weathered zone, including investigation adequacy and treatment design.
- Saddle Dams SD-01 through SD-06, each reviewed and certified separately, including extensions and reservoir-rim continuity.
- Spillway 1 and Spillway 2, including approach, control, conveyance, gates where applicable, energy dissipation and downstream protection.
- Intake tower, trash racks, access bridge, gates, hoists, stoplogs and embedded parts.
- Outlet tunnel, proposed lining/repair, irrigation outlet, hydropower penstock outlet and water-supply outlet interfaces.
- Grouting, foundation treatment, drainage, filters, erosion protection and site dewatering.
- Dam-safety instrumentation, electrification, controls, communication and emergency power.
- Diversion and flood management during construction, temporary works and reservoir restrictions.
- Route Bearer Highway realignment, access roads, culverts, bridges, causeways, road drainage and reservoir-slope interfaces.
- Site-security fence, staff colony/security camp and other associated works only to the extent they affect dam safety, constructability, access, utilities or tender completeness.
- Technical specifications, drawings, calculations, models, BoQ, estimate, construction schedule, tender documents, O&M and dam-safety plans for Component 1.

Spillway clarification: The source Detailed Design TOR refers to two spillways. This review TOR therefore covers both Spillway 1 and Spillway 2. At inception, MEW shall identify whether each package is new, replacement, rehabilitation or modification work and shall freeze the corresponding document baseline.

2.3 Known Baseline Discrepancies Requiring Formal Resolution

The source Detailed Design TOR contains feasibility-level alternatives and internally inconsistent values. These are not editorial matters: they affect storage, loading, flood safety, quantities and project economics. The Consultant shall establish the authoritative data source, reproduce the governing analyses and obtain a recorded MEW design-basis decision before using any of the following values for certification.



Topic	Source Discrepancy / Alternative	Mandatory Review Resolution
Existing storage	The source text refers to approximately 288 MCM in one location while the principal-data table indicates approximately 478 MCM.	Reconcile survey datum, sediment condition and elevation-area-capacity curve.
Dam raising	USACE concept approximately 8 m versus feasibility concept approximately 13.6 m.	Verify technical feasibility, safety, storage benefit and final MEW-selected raise.
PMF / spillway basis	Original stated combined discharge approximately 3,760 m ³ /s; feasibility total approximately 3,556 m ³ /s; a preliminary PMF inflow estimate of approximately 7,963 m ³ /s is also cited.	Confirm PMP/PMF, inflow hydrograph, reservoir routing, peak outflow, freeboard and both spillway capacities.
Crest and core levels	Proposed crest approximately El. 1,154 m; feasibility narrative also refers to core raised to about El. 1,152 m with a 2 m retaining/parapet wall.	Confirm impervious-element elevation, flood surcharge, wall function, wave allowance and settlement.
Spillway configuration	Spillway 1 and Spillway 2 are described using feasibility types and capacities that remain subject to optimization.	Freeze whether each structure is new, modified or replaced and certify its final arrangement and operating philosophy.

3. Purpose of the Assignment

The purpose is to obtain an independent, documented and professionally accountable determination that the Ministry-prepared detailed design for Dahla Dam Component 1 is technically sound, internally coordinated, safe, constructible, complete and suitable for tendering and/or construction, as applicable to the certified issue status.

The Consultant shall review, verify, certify and, only to the extent expressly delegated by MEW, technically approve the controlled detailed-design baseline. MEW retains final administrative, procurement, statutory and governmental approval authority.

4. Objectives

- Validate the design basis, adopted raising level, reservoir operating levels, loading conditions, standards and dam-safety philosophy.
- Confirm that surveys, investigations, laboratory results, monitoring history and material parameters are adequate and representative.
- Independently check the principal hydrologic, hydraulic, geotechnical, seismic, structural and hydromechanical analyses.
- Assess the existing dam condition and behavior and verify compatibility of old and new works.
- Verify each of the six saddle dams and continuity of the complete reservoir-retaining rim.
- Verify that both spillway systems safely pass the adopted IDF/PMF under credible gate, power, debris and downstream conditions.
- Confirm safe construction staging, diversion, temporary works, reservoir restrictions and emergency arrangements.
- Check consistency among reports, models, calculations, drawings, specifications, BoQ, cost estimate, schedule and tender documents.
- Identify, classify and close all findings through an auditable comment-response process.
- Issue component and consolidated approval certificates only after the acceptance criteria are satisfied.



5. Definitions and Interpretation

Term	Interpretation
Approval / Technical Approval	The Consultant's signed professional determination that the controlled design baseline satisfies this TOR. It does not replace MEW statutory or administrative approval.
Certification	A signed statement by the Consulting Firm and responsible key experts identifying the exact documents reviewed, checks performed, conclusions and limitations.
Controlled Design Baseline	The indexed set of reports, drawings, calculations, models, specifications and schedules identified by document code, revision and date.
Independent Check	A calculation, model run, reasonableness check or alternative method performed by the reviewer without merely repeating the designer's conclusion.
Original Designer / MEW Design Team	The Ministry team and any supporting party responsible for preparing and revising the detailed design.
Reviewer / Consultant	The independent firm engaged under this TOR.
Safety-Significant Finding	A deficiency that could affect dam safety, public safety, design function, code compliance, construction-stage risk or reliable operation.
Associated Works	All Component 1 works necessary for a complete, operable and safe upgraded dam system.

6. Independence, Ethics and Conflict of Interest

- The firm and all proposed experts shall be independent of the MEW design team, construction contractor, suppliers and entities whose work or interests are under review.
- All previous or current involvement in Dahla Dam, related studies, designs, procurement, supply or construction shall be fully disclosed in the proposal.
- No expert shall review or certify work that the same expert prepared, directed or previously approved.
- Findings, assumptions, limitations and dissenting opinions shall be recorded. Safety-significant dissent shall be escalated to MEW and shall not be deleted to protect schedule or payment.
- The Consultant shall report any attempted interference with its professional judgment and shall follow applicable confidentiality, integrity and anti-corruption requirements.

7. Governing Requirements and Reference Framework

Afghan laws, regulations, approved MEW requirements and the project-approved Design Basis shall govern. Where national requirements are silent, internationally recognized dam engineering practice shall be applied with MEW concurrence. The Consultant shall prepare a project-specific Standards and Criteria Compliance Matrix and shall not combine incompatible code provisions or select the least conservative requirement without documented justification.

- ICOLD bulletins and guidance applicable to existing dam modification, embankment dams, spillways, risk assessment, monitoring and dam safety.
- USBR Design Standards and Safety Evaluation of Existing Dams (SEED) guidance.
- USACE engineering manuals for dam safety, earth/rockfill dams, hydraulic design of spillways and related structures.
- World Bank Environmental and Social Framework, ESS4 dam-safety provisions and Good Practice Note on Dam Safety, where applicable.
- ACI, ASTM, AASHTO, ASCE, AWS, IEC, IEEE, ISO, DIN/EN and other approved standards relevant to civil, hydromechanical, electrical and road works.



- The hydromechanical standards listed in Dahla Detailed Design TOR Annex A and the electrical standards listed in Annex B, subject to edition, compatibility, applicability and international-practice review.

Edition control: The Consultant shall identify the exact title, number, edition and amendment of every governing standard. If the Ministry design used an obsolete or conflicting edition, the Consultant shall assess the safety effect and recommend a controlled resolution.

8. Information and Facilities to Be Provided by MEW

- The Dahla feasibility studies, the Detailed Design TOR dated December 2025, Annex A hydromechanical requirements, Annex B electrical technical requirements, and all related appendices.
- All Ministry-prepared detailed-design submissions: Inception, Interim 1, Interim 2, Draft Final, Final and subsequent revisions.
- As-built drawings, original design/construction records, material tests, foundation mapping, grouting records and modifications to existing works.
- Topographic, bathymetric, geological, geotechnical, geophysical, hydrological, meteorological, sediment, seismic and construction-material data.
- Inspection, incident, maintenance, reservoir operation, seepage, deformation and instrumentation records in original and processed forms.
- Native model and calculation files, spreadsheets with formulas, CAD/Civil 3D/GIS files, hydraulic and structural models and supporting metadata.
- Detailed drawings, specifications, BoQ, estimate, schedule, construction methodology and bidding documents.
- PFMA, dam-break/inundation studies, dam-safety plans, O&M Plan, Instrumentation Plan, EPP/EAP and reservoir first-filling/raising plan.
- Reasonable access to the site, existing facilities, Ministry personnel and records, subject to security arrangements.

Provision of information by MEW does not imply that the information is complete or correct. The Consultant remains responsible for identifying gaps, contradictions and limitations affecting its review.

9. Scope of Services

- The following activities are minimum requirements and do not limit the Consultant's obligation to address issues reasonably necessary for a competent independent review of this safety-critical project.
- 9.1 Mobilization, Document Control and Review Planning
- Hold a kick-off meeting; confirm communication, delegated decision authority, security procedures and submission/review timeframes.
- Establish the controlled design baseline with document codes, revisions, native-file inventory and completeness status.
- Prepare a Review Management Plan, discipline responsibility matrix, independent-check plan, model register, workshop plan and internal QA/QC plan.
- Prepare a Standards and Criteria Compliance Matrix, Data Gap Register, Interface Register and review risk register.
- Map the Ministry design submissions to the original Dahla design stages: Inception, Interim 1, Interim 2, Draft Final and Final.

9.2 Site Inspection and Existing-Dam Condition Assessment

- Undertake at least (One) multidisciplinary site missions: an initial condition/data mission and a targeted verification/closure mission unless MEW approves another arrangement.
- Inspect crest, upstream/downstream faces, abutments, contacts, galleries, drains, seepage areas, outlets, tunnel, intake, existing spillways, reservoir rim, saddle dams and proposed work areas.
- Record cracking, settlement, erosion, sloughing, wet areas, seepage, sinkholes, concrete deterioration, cavitation, corrosion, gate condition and unauthorized modifications.
- Reconcile as-built information with observed conditions using georeferenced photographs and marked-up drawings.



- Review historical instrumentation and performance trends and determine whether the proposed raising is compatible with observed behavior.
- Identify supplemental investigations or testing required for a defensible decision; separately priced/authorized fieldwork is outside the base scope unless included in the RFP.

9.3 Surveying, Mapping, Bathymetry and GIS

- Verify horizontal/vertical datums, coordinate reference system, survey control, benchmarks, accuracy, closure and transformations.
- Check topographic coverage for main dam, both spillways, all saddle dams, road realignment, downstream channels, borrow areas and temporary works.
- Review bathymetric methods, reservoir surface/elevation-volume-area curves, sediment volume and uncertainty.
- Check terrain models, profiles, cross-sections, quantity surfaces, CAD/Civil 3D/GIS consistency and version control.
- Verify physical tie-ins, excavation limits, interfaces, clearances, tolerances and constructability envelopes.

9.4 Hydrology, Meteorology, Climate, Reservoir Operation and Sediment

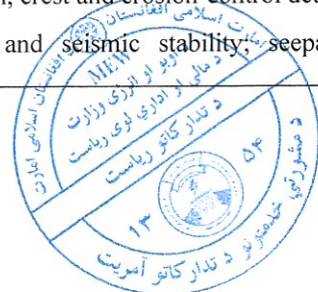
- Review data sources, record length, quality control, regionalization, catchment delineation, loss assumptions and uncertainty.
- Verify PMP/PMF or adopted IDF, flood-frequency analysis, seasonal/construction floods, hydrographs and downstream/tailwater conditions.
- Independently reproduce the critical flood hydrographs and reservoir routing with the final operating rules and available outlet/spillway capacity.
- Review freeboard components, wind-wave setup/run-up, settlement allowance, blockage/debris and gate-unavailability cases.
- Review water balance and operating levels to the extent they determine raising, outlet sizing and multipurpose performance.
- Review sediment yield, trap efficiency, delta progression, abrasion/blockage risks and impacts on intake, outlets and spillways.
- Perform a proportionate climate-resilience stress test and identify decisions sensitive to plausible future hydrology.

9.5 Engineering Geology, Geotechnics, Materials and Seismic Hazard

- Review regional/site geology, geomorphology, stratigraphy, weathering, discontinuities, permeability, landslides and reservoir-rim stability.
- Verify adequacy, locations, depths, logging, recovery, testing and representativeness of investigations at all components and borrow areas.
- Review geological models/sections, design parameters, characteristic values, correlations and sensitivity ranges.
- Review seismic source characterization, active faults, deterministic/probabilistic hazard, MCE/MDE/OBE, spectra, time histories and vertical components.
- Evaluate fault displacement, liquefaction/cyclic softening, seismic settlement, cracking and deformation where credible.
- Review material zoning, gradation, filter compatibility, durability, availability, variability and construction processing requirements.
- Verify foundation excavation, dental concrete, cutoffs, grouting, drainage, abutment treatment and geological construction hold points.

9.6 Existing Main Dam Raising

- Confirm the selected downstream-raising concept and final raise height against credible alternatives, existing condition, foundation and reservoir constraints.
- Review the proposed excavation into the existing core, stripping/benching, moisture conditioning and old/new material contact preparation.
- Verify core, shell, filters, transitions, chimney/blanket drains, cutoffs, slope protection, crest and erosion-control details.
- Independently check end-of-construction, steady-state, rapid-drawdown, flood and seismic stability; seepage/uplift; settlement/deformation; and parameter sensitivity.



- Evaluate differential settlement, stress transfer, cracking, hydraulic fracture and internal-erosion paths at old/new interfaces.
- Review crest elevation, width, freeboard, parapet/retaining wall, abutment tie-ins, road/utilities, penetrations and post-construction settlement allowance.
- Verify construction stages and reservoir restrictions maintain acceptable safety throughout the works.

9.7 Main Dam Left-Abutment Shear / Weathered Zone

- Review historical descriptions and current interpretation of the approximately 1.22-6.10 m wide shear/weathered zone near the left abutment.
- Verify adequacy of test pits, boreholes, geophysics, permeability testing and geological mapping proposed/performed for the zone.
- Assess seepage pathways parallel to the river, erosion susceptibility, deformation and connection to dam/foundation drainage.
- Independently review the selected treatment: removal/replacement, compacted core/engineered fill, grouting, filters, drainage or combined measures.
- Define construction mapping, verification testing and hold points needed before treatment acceptance.

9.8 Saddle Dams SD-01 to SD-06 and Reservoir Rim

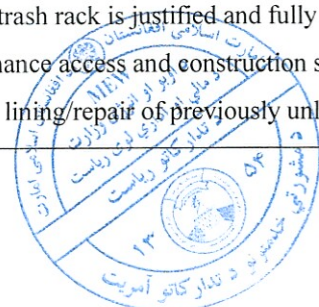
- Review each saddle dam as a separate safety component; generic acceptance is prohibited where height, geology, geometry or consequence differs.
- Verify site-specific topography, foundations, abutment contacts, seepage paths, low points and continuity of containment between structures.
- Review type, raising/extension height, zoning, core excavation, filters/drains, cutoffs/grouting, slope protection, crest and access details.
- Independently check stability, seepage/piping, settlement/deformation, seismic response, freeboard and overtopping/erosion vulnerability for each dam.
- Assess reported foundation seepage at Saddle Dams 1-5 and confirm whether any historical fuse-plug function exists and how it is resolved.
- Review Saddle Dam 6 abutment treatment, extension interfaces, spillway interfaces and instrumentation.
- Issue one compliance and approval sheet for each saddle dam and one reservoir-rim assurance statement.

9.9 Spillway 1, Spillway 2 and Hydraulic Structures

- Verify location, alignment, type, crest/control configuration and interaction with the raised reservoir and existing works.
- Independently check rating curves, approach flow, submergence, gates, transitions, flow profiles, wall freeboard and discharge capacity.
- Review physical and/or numerical hydraulic models, boundary conditions, calibration, sensitivity, air entrainment, cavitation, pressure fluctuation, vibration and scale effects.
- Review chute/side-channel/tunnel elements, joints, anchors, drains, uplift relief, underdrainage, stilling basins/flip buckets, plunge pools and downstream scour protection.
- Check debris/sediment blockage, access, inspection and maintenance provisions.
- Verify structural design of crest structures, piers, walls, slabs, bridges, gates, hoists, embedded parts, stoplogs and foundations.
- Confirm safe flood passage for credible equipment outage, power failure, gate malfunction and adverse tailwater scenarios.

9.10 Intake Tower, Trash Rack, Access Bridge and Outlet Tunnel

- Review the joint structural, geotechnical, rock-mechanics and hydromechanical inspection of existing intake/outlet facilities.
- Verify whether raising, strengthening or replacement of the intake tower and trash rack is justified and fully detailed.
- Review access bridge loads, seismic response, bearings, connections, maintenance access and construction sequence.
- Review tunnel condition data, leakage history, rock support and the proposed lining/repair of previously unlined sections.



- Check hydraulic transients, internal/external pressure, uplift, drainage, lining joints, contact grouting and dewatering/inspection provisions.
- Verify interfaces with irrigation, hydropower and water-supply outlets and emergency drawdown requirements.

9.11 Structural, Concrete and Durability Review

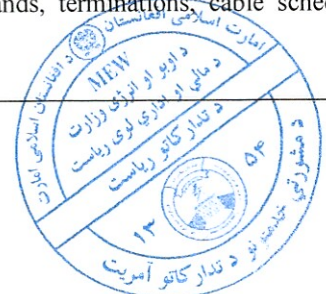
- Review structural idealization, load paths, boundary conditions, material properties, exposure/durability classes and construction joints.
- Verify governing combinations for self-weight, hydrostatic/hydrodynamic, sediment, uplift, earth/rock, temperature, shrinkage, seismic, impact, equipment and construction loads.
- Check sliding, overturning, flotation, bearing, global/local stability, strength, serviceability, crack control, fatigue and deformation.
- Review reinforcement, anchorage, congestion, cover, water stops, embedded items, mass-concrete thermal control, chemical exposure and repair interfaces.
- Verify that analysis results are correctly translated into coordinated, buildable and inspectable drawings and bar schedules.

9.12 Hydromechanical Systems

- Review gates, fixed-wheel gates, radial gates where applicable, stoplogs, trash racks, valves, hoists, lifting appliances, embedded parts, penstocks, pipes and supports.
- Verify design heads, hydrostatic/hydrodynamic loads, down pull/uplift, friction, impact, seismic loads, fatigue, buckling, vibration and emergency operating forces.
- Review materials, allowable stresses, weld categories, welding procedures/qualifications, NDT, dimensional tolerances, corrosion protection, seals, guides and maintainability.
- Verify FEM stress/deformation analyses for major mechanical components and CFD/hydraulic analyses where required.
- Check normal/emergency operating sequences, redundant/manual operation, hoist capacity, braking, locking, limit switches, position indication and safe access.
- Review design/manufacturing/installation drawings, calculations, material schedules, motor data, spare parts, tools, FAT/SAT schedules, inspection and release requirements.
- Review installation, pre-commissioning, commissioning and performance test procedures and English/Dari/Pashto O&M documentation requirements.

9.13 Electrical Systems

- Prepare an Applicability and Compliance Matrix. Distinguish Component 1 systems required for safe dam, spillway, outlet, gate, hoist, instrumentation and site operation from Component 4 generation, 110 kV transmission and distribution systems.
- Review connected-load lists, demand/diversity, AC and DC station-service calculations, voltage drop, motor starting, short-circuit/fault levels, protection coordination, insulation coordination and equipment ratings.
- Review normal, essential and emergency supplies, service transformers, AC/DC boards, rectifiers/chargers, batteries, UPS and standby diesel generation; verify autonomy, redundancy, black-start/manual recovery and loss-of-power failure modes.
- Review switchgear/switchboards, circuit breakers, disconnectors, earthing switches, CTs/VTs, surge arresters, metering, motor-control centers, local panels and their environmental/seismic ratings.
- Review protection philosophy and settings for gate/hoist motors, pumps, outlet equipment, station services and interfaces, including selectivity, relay logic, trip matrices, alarms and testing provisions.
- Review control and monitoring architecture: PLCs, HMI/SCADA, local/manual/remote modes, interlocks, permissive, fail-safe states, sequence logic, communications, time synchronization, event recording, cybersecurity and degraded-mode operation.
- Review power, control, protection, instrumentation, signaling and communications cables; verify sizing, ampacity, derating, voltage drop, short-circuit withstand, segregation, routing, fire performance, glands, terminations, cable schedules and identification.



- Review interior/exterior lighting, receptacles, small power and emergency lighting for spillways, galleries, intake/outlet areas, crest, control rooms, access roads, staff/security facilities and maintenance work areas.
- Review grounding/earthing and lightning protection, including soil resistivity, grid/conductor sizing, touch/step voltage, bonding, surge protection, lightning-risk assessment, interfaces with embedded metalwork and test points.
- Review fire detection, alarm and electrical fire-safety interfaces, including detectors, manual call points, alarm panels, annunciation, cause-and-effect logic, cabling and emergency power.
- Verify equipment specifications, single-line diagrams, schematics, wiring/terminal diagrams, panel layouts, cable schedules, I/O lists, logic/cause-and-effect diagrams, calculations, FAT/SAT/commissioning procedures, spares/tools and O&M manuals.
- Confirm that electrical systems support safe flood passage and emergency drawdown during a single credible equipment failure or loss of normal power.

9.14 Dam Instrumentation, Monitoring and Communications

- Verify instrumentation objectives, types, ranges, accuracy, redundancy, locations, installation details, baselines, thresholds and response actions.
- Confirm PFMA-based monitoring coverage of the main dam, old/new interfaces, foundations, both spillways, left-abutment zone and all six saddle dams.
- Review data acquisition units, telemetry, communications, time synchronization, backup power, calibration, lightning/surge protection, data ownership and secure archiving.
- Check compatibility of instrument outputs, control systems, SCADA/HMI, alarms, inspection procedures, O&M arrangements and emergency-action decision thresholds.

9.15 Roads, Drainage, Access and Utility Interfaces

- Review Route Bearer Highway and access-road horizontal/vertical geometry, design speed, profiles, cross-sections, sight distance and reservoir clearances.
- Review pavement design, traffic loading, subgrade/CBR, material sources, drainage, slope stability, erosion and reservoir fluctuation effects.
- Review culverts, bridges, causeways, retaining structures, road safety furniture and connections to existing routes.
- Confirm that roads, utilities and access do not compromise embankment zoning, filters, drainage, spillway flow paths or inspection/emergency access.

9.16 Construction Staging, Diversion, Temporary Works and Constructability

- Review diversion philosophy, coffer dams, temporary conduits, construction-flood criteria, site dewatering and flood-warning arrangements.
- Check sequence of core excavation, old/new tie-ins, foundation treatment, embankment placement, spillway cutover and outlet shutdowns.
- Assess interim failure modes and demonstrate that construction-stage risks are controlled and not allowed to become unacceptably greater than existing risk.
- Review access, plant space, haul roads, borrow processing, quality-control laboratories, material balances, schedule logic and seasonal constraints.
- Identify safety-critical hold/witness points, temporary instrumentation and contingency measures.

9.17 Dam Safety, PFMA, Inundation, O&M and Emergency Preparedness

- Facilitate or independently review PFMA for existing condition, construction stages, reservoir raising/initial filling and long-term operation.
- Review breach parameters, dam-break models, inundation maps, downstream consequences and hazard classification for main and relevant saddle-dam failures.
- Review Construction Supervision and QA Plan, Instrumentation Plan, O&M Plan and Emergency Preparedness Plan for consistency with final design.



- Review surveillance, thresholds, escalation, emergency drawdown, warning/communication and access during extreme events.
- Review staged first filling to the raised reservoir level, hold points, inspections, monitoring criteria, reporting and contingency drawdown.
- Maintain a Dam Safety Issues and Residual Risk Register with owners, controls and required construction/operation follow-up.

9.18 Environmental and Social Design Interfaces

- Check that design incorporates relevant ESIA/ESMP commitments, resettlement boundaries, reservoir-rim impacts, environmental flows and downstream safety measures.
- Review erosion/sediment, spoil, borrow areas, hazardous materials, worker/community safety and access interfaces reflected in technical documents.
- Identify conflicts between technical design and environmental/social commitments; the assignment does not replace formal environmental or social approval.

9.19 Specifications, BoQ, Cost Estimate, Schedule and Tender Documents

- Check correspondence among drawings, specifications, BoQ, method of measurement, cost estimate and construction schedule.
- Review completeness and technical accuracy of general/particular specifications, material and workmanship requirements, tolerances, tests and acceptance criteria.
- Verify quantity take-offs on a risk-based sample, unit descriptions, measurement rules, provisional items and coverage of temporary works and dam-safety plans.
- Review cost-estimate basis, rates, escalation/currency assumptions, contingencies and market availability of specialist equipment/materials.
- Review construction schedule logic, critical path, hydrology windows, procurement/manufacturing lead times, reservoir constraints and commissioning.
- Review bidder/contractor qualification requirements for large-dam, spillway, grouting, hydromechanical, instrumentation, laboratory and specialist subcontracting experience.
- Confirm the tender package is coordinated and does not shift unresolved design decisions to the construction contractor without controlled design responsibility.

Note: The descriptions provided under the sections *Background and Rationale: Project Description and Review Particulars, Purpose of the Assignment, Objectives, Definitions and Interpretation, Independence, Ethics and Conflict of Interest, . Governing Requirements and Reference Framework, Information and Facilities to Be Provided by MEW and Scope of Services* shall be compared with the corresponding descriptions in the **Terms of Reference (TOR)**. In the event of any discrepancy, the descriptions stated in the TOR shall prevail.

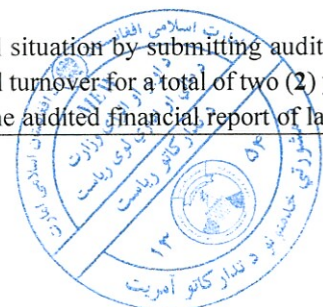
Moreover, for further information, please refer to the TOR attached to this REOI.

1. Qualification Requirements/Short listing Criteria

The Ministry of Water and Energy of Afghanistan, now invites eligible consulting firms (“Consultants”) to indicate their interest in providing the services described under project objectives and scope of services. Interested Consultants should provide information demonstrating that they have the required qualifications and relevant experience to perform the Services.

The short-listing criteria are:

- 1) The Consultant should be registered legal entity and should have been in business for at least the last **(10)** years in providing Consultancy Services of similar assignments. (The consultant is required to provide the Copy of the Certificate of Incorporation issued by relevant authority in country of establishment).
- 2) **Annual Turnover:** The consultant shall demonstrate having sound financial situation by submitting audited financial reports or any other credible financial documents in which the consultant annual turnover for a total of two **(2)** years within the last ten **(10)** years shall be **USD 311600**. The Consultant should provide the audited financial report of last ten years,



prepared or verified by independent auditor or other valid financial documents showing the availability of aforementioned amount as the total of two years in the last ten years.

- 3) **Financial Capability:** The consultant shall demonstrate access to, or availability of, financial resources such as liquid assets, lines of credit, and other financial means, other than any contractual advance payments to meet the cash-flow requirement of **USD 55000** or equivalent to any other freely convertible currency. Any financial document, such as a Bank Statement or Line of Credit, must be issued in the name of the Consultant. The issue date of such documents must fall between the date of the REOI announcement and the EOI submission deadline. Furthermore, the shortlisting Committee shall consider the final balance (Closing Balance) in the bank account submitted by the consultant as evidence of financial capability.
- 4) **Similar Experience:** The consultant should provide proven experience for: implementation of one (1) similar contract with the value of **USD (170,000)** or two (2) similar contracts with the total value of **USD (250,000)** in the last ten (10) years.
- An ongoing contract shall be considered as similar experience only if at least its sixty percent (60%) has been completed, and the monetary value of the completed portion meets the amount specified in the REOI prior to the deadline of EOI submission.
 - A subcontract of the consultant, which has been implemented and completed with the written approval of the Client and in accordance with the terms of the main contract, shall be considered as similar experience.
 - A similar contract(s) copies stamped by the consultant should contain the below information:
Price, date of start and end, price list, TOR summary, and contacts of the Client.
 - If the consultant's similar contract was processed under one bidding document but each lot has been contracted separately, the total monetary value of the awarded lots shall be considered as one similar contract.
 - The Shortlisting Committee shall assess the similarity of the consultant's submitted contracts based on their nature, complexity, specialization, and terms of reference.
 - For calculating the monetary value of the consultant's similar contracts, the Shortlisting Committee shall consider the inflation rate as per the budget document of the respective fiscal year.
 - The Consultant while describing the assignment(s) for similar experience should furnish the following details:
 - Consultant should explain in what way the executed assignment(s) was/were similar in nature to the current assignment.
 - The Consultant should explain the exact role played by the Consultant in the assignment if the assignment was carried out in association with other firms as JV or in sub-consultancy for carrying out the assignment.
- 5) Consultant having some regional experience is desirable.
- 6) Declaration by the Consultant that the Consultant is not black-listed by any Government agencies in Afghanistan and the consultant does not have any conflict of interest in terms of taking any assistance / support from individual / firm / consultants who have been part of the Project..... consultancy or the procurement process. Furthermore, the Consultant should furnish only true and factual information in the EOI (for itself, its partners and sub-consultant(s), if any). By an act of submission of an EOI against this REOI, the Consultant shall be deemed to be aware that for any misrepresentation by the Consultant in regards to its EOI including any qualification documents/ information about the consultant itself, its partner and/ or sub-consultant detected at any stage of selection process or during execution of the resultant contract, if successful, the Consultant will be prosecuted under the Laws of Afghanistan.
- 7) The requirements for Consultants who intends to associate with other firm(s) in the form of a Joint Venture (JV) or sub-consultancy to enhance their qualifications are indicated as under:
- I. The **Lead Partner is required to be identified clearly** and state the composition and nature of their association (JV/sub-consultant) in their EOI. In case of JV, the consultants shall collectively meet the requirements for financial capability and annual turnover without specific portion. The requirement for **similar experience** may be met by one partner or jointly by all partners. In this case, each member of the joint venture shall be jointly and severally liable for the contents of the bid and the performance of the contract.
 - II. The short-listing criteria provided under Part 2 above (**Qualification Requirements/Short listing Criteria**), paragraphs (2) to (4) will not be applied for sub-consultant.

Note1: Article Thirty-Five of the Law on Contracts: Right of Priority: Government authorities shall grant the right of priority in their transactions and contracts to those traders and companies that are trustworthy, honest, and sincere.

Article Thirty-Six of the Law on Contracts: Preference to Public Interests: Government authorities shall not enter into contracts with companies that are affiliated with government officials or in which government officials hold shares.

Note2: If the currency of the consultant's financial capability, annual turnover, or similar experience differs from the currency stated in the REOI, the exchange rate published on the official website of Da Afghanistan Bank on the EOI submission deadline



shall be applied. Foreign currencies shall be converted to Afghanis (AFN) based on the Transfer Selling Rate, and Afghanis shall be converted to foreign currencies based on the Transfer Buying Rate.

Note3: Afghan state-owned companies are exempt from providing documents related to financial capability and annual turnover.

2. Legal References

The attention of interested Consultants is drawn to 'Chapter 4 - Process of Request for Proposal' of "Rule of Procurement Procedure" issued by Government of Afghanistan. The consultants are also required to maintain high standard ethics throughout the procurement process. The Consultants' attention is also drawn to Article 16 of Public Procurement Law for compliance. The consultants can download the Contract Law, Public Procurement Law and Procedure from www.ageops.net.

3. Method of Selection

A Consultant will be selected in accordance with the **Quality and Cost Based Selection (QCBS)** set out in Rule 57 of Procurement Procedures

Note: According to the ordinance no.(30) dated 25/08/1448, Emirati individual authorities or employees **SHALL NOT** participate in any public biddings either directly or indirectly as a bidder.



4. Submission of EOI

Expressions of Interest must be delivered in a written form to the address below (**in person**) by **September 22, 2026 at 10:00 PM Hrs.** (Kabul Local Time).

The EOI with all details should, preferably, not exceed 60 pages in total.

Further information in respect to this REOI can be obtained at the address below by email or in person during office hours [08:00-03:00 Hours].

For the purpose of clarifications, the address is as follows:

Attention: Consultancy Procurement Department –Procurement Directorate

Address: Ministry of Water and Energy, Darul Aman Road, Kabul, Afghanistan

Email:

Najibullah.ludin@mew.gov.af

Copy to:

mohammadedris.amiry@mew.gov.af

Ayazullah020@gmail.com

For submission of EOI, the address is:

Attention: Consultancy Procurement Department –Procurement Directorate- Ministry of Water and Energy.

Address: Consultancy Procurement Department, Procurement Directorate, Block#5, Ministry of Water & Energy, Darulaman road, Kabul, Afghanistan.

Phone No.: +93 (0) 202926787

Address to the TOR: https://drive.google.com/file/d/1gqXfDB31EDvjmL8lDbzY-YQQi7Mr-rWz/view?usp=drive_link

The TOR can also be accessed through the ministry's website.



LINE OF CREDIT FORM

(The bank is obliged to arrange this standard form on its official sheet without any modification/change except for the issues inside of the brackets)

Name of beneficiary: {Insert name of the bidder to whom this line of credit will be issued }

No: {Insert the line of credit number }

Date: {Insert the issue date of line of credit }

To: {Insert the relevant Entity Name/Ministry }

According to request No {.....} date {...../...../.....} {Insert name of the bidder to whom this line of credit will be issued}, Line of credit over {Amount of line of credit} has been issued. This line of credit is terminated or modified only in case of termination of the procurement process/contract for which this document is issued.

This line of credit is approved in accordance to provisions of laws, regulations, circulars and orders of the Da Afghanistan Bank and as per internal policies, procedures and guidelines of the bank considering the delegated authority on these policies, by {senior managers, credit committee, the board of directors or the bank's supervisory board}. The line of credit has been awarded to the bidders after the receipt of fees and the bank's commission.

This line of credit only in case of winning of {Insert name of the bidder to whom this line of credit will be issued} in bidding of {Insert the Reference Number & Project Name} is utilizable from the bidder and is valid up to {expiration date}.

Signature: {The signature of responsible employee }

Stamp: {Stamp of Bank }



Annexure 1: Format for Expression of Interest

The expression of interest must be submitted as per the following format:

{Note: In case documents submitted are in any language other than English, the consultant should submit a self-certified copy of the translated document in English (along with originals).}

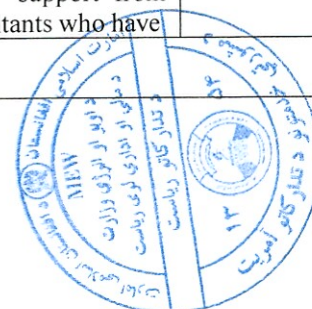
SECTION 1: Organization Details (In case the EoI is being submitted as a Joint Venture, the information has to be submitted for the Lead Partner as well as other members of the Joint Venture separately.)

Part 1: Organisation Detail			
I.	Name of the Organization		
II.	Details of the Organization	- Address of the Registered Office: - Telephone: - Facsimile: - Website:	
III.	Information about Organization	- Year of Establishment: (copy the incorporation certificate shall be provided) - Status of the Organization: (Public Ltd./Private Ltd./LLP etc.)	
IV.	Name and designation of the person authorized	- Name - Designation - E-mail - Contact Number	
V.	Annual Turnover for any of the last Ten (10) Financial Years	Financial Year	Annual Turnover (Million USD)
VI.	Number of Personnel		
Part 2		EOI Respondent firm needs to mention its core business areas and any other relevant details / experience in a descriptive format. EOI Respondent firm needs to mention its Technical and managerial capability for executing the scope of services.	
Please provide a response with details in not more than (3) pages			



SECTION 2: Documents to be submitted

	Information to be provided	Documentary Evidence to be Provided	Page number as part of Annexure
1	The Consultant should be registered legal entity and should have been in business for the last 5 years in providing Consultancy Services of similar assignments.	The Copy Certificate of Incorporation issued by relevant authority in country of establishment	
2	Annual Turnover: The consultant shall demonstrate having sound financial situation by submitting audited financial reports or any other credible financial documents in which the consultant annual turnover for a total of two (2) years within the last ten (10) years shall be USD 311600.	The Consultant should provide the audited financial report of last ten years, which prepared or verified by independent auditor or other valid financial documents that shows the availability of aforementioned amount as the total of two years in the last ten years. Please note: The annual turnover quoted must be the annual turnover of the EOI Respondent firm/Lead Partner/JV and not its parent/child company. The contact detail (email and phone number with address) for the auditors shall be provided for verification purposes.	
3	Financial Capability: The consultant shall demonstrate access to, or availability of, financial resources such as liquid assets, lines of credit, and other financial means, other than any contractual advance payments to meet the cash-flow requirement of USD 55000 or equivalent to any other freely convertible currency.	Any financial document, such as a Bank Statement or Line of Credit, must be issued in the name of the Consultant. The issue date of such documents must fall between the date of the REOI announcement and the EOI submission deadline. Furthermore, the shortlisting Committee shall consider the final balance (Closing Balance) in the bank account submitted by the consultant as evidence of financial capability.	
4	Similar Experience: The consultant should provide proven experience for: implementation of one similar contract with the value of USD 170,000 or two similar contracts with the total value of USD 250,000 in the last ten (10) years.	Details of the experience should be submitted as per format in Section 3 . Please note: The credentials cited under this must have been executed by the EOI Respondent or the Lead/JV partner and not its parent/child company	
5	Consultant having some regional experience is desirable.	List the Contracts executed with details such as contract number, the client detail, period of the contract, value of the contract, brief about the assignment etc.	
6	Other relevant documents	i. Declaration by the Consultant that the Consultant is not blacklisted by any Government agencies in Afghanistan. ii. Declaration by the consultant does not have any conflict of interest in terms of taking any assistance / support from individual / firm / consultants who have	



	Information to be provided	Documentary Evidence to be Provided	Page number as part of Annexure
		been part of the Project....consultancy or the procurement process. iii. The Consultant should furnish only true and factual information in the EOI (for itself, its partners and sub-consultant(s), if any). By an act of submission of an EOI against this REOI, the Consultant shall be deemed to be aware that for any misrepresentation by the Consultant in regards to its EOI including any qualification documents/ information about the consultant itself, its partner and/ or sub-consultant detected at any stage of selection process or during execution of the resultant contract, if successful, the Consultant will be prosecuted under the Laws of Afghanistan.	



SECTION 3: Format for furnishing details of Credentials/Past Experiences for projects in undertaking related or similar assignment as at Sl. No. 3 of Section 2. The information needs to be furnished as per the Format below for each credential.

The project citation should be a maximum of 2 pages per credential/project along with documents as mentioned under Sl. No.4 of Section 2 (above). The citation needs to be furnished for each credential.

Assignment name:	Country: Location within the country
Name of Client:	Address: Email and Phone No.
Name of the Legal Entity in whose name the contract is:	Duration of assignment (months):
No. of man month of the assignment:	Start date (Month/year): Completion date (Month/year):
Approx. value of the overall contract (in USD):	Approx. value of the services provided by your firm under the contract (in USD):
Name of associated organizations, if any:	Role of Consortium member:
Narrative description of the Project:	
Detailed Scope of services, coverage of the project: - Consultant should explain in what way the executed assignment(s) was/were similar in nature to the current assignment and also indicating key experts input for the assignment(s) including their qualifications and experience (CVs of such key staff are not required to be attached) - The Consultant should explain the exact role played by the Consultant in the assignment if the assignment was carried out in association with other firms as JV or in sub-consultancy for carrying out the assignment.	
Relevance of Project to the current scope (i.e. relevant project components in detail)	
Details of the impact of the project for the client:	



Beneficial Ownership Disclosure Form											
A) Instructions:											
1- This Form is prepared for collection of Beneficial Ownership information. 2- The Bidder (its president or vice-president) is obliged to completely fill, sign and stamp this form and submit along with the offer. 3- In case of JV or Consortium, each member has to fill, sign and stamp this form separately. 4- Sub-Contractor (s) has to fill, sign and stamp this form separately. 5- Successful bidder provides additional information/clarification as and when requested. 6- According this form, Beneficial Ownership: the natural person(s) who ultimately owns or controls a customer and/or the natural person on whose behalf a transaction is being conducted. It also includes those persons who exercise ultimate effective control over a legal person or arrangement including but not limited to; principle owner or its legal representative, members of Board of Directors/Management, Directors, Senior Managers, Trustee, Shareholders and other person(s) who directly or indirectly, wholly or partially have control on the Company and/or affects the company's decisions or affected from company's benefit or loss. 7- The Contractor's (Successful Bidder) B/O information form is published in NPD website. 8- This form is referred to relevant authorities.											
B) Bidder's Identity:											
Name		Dari:/if applicable		Pashto: if applicable		English:					
License No:		Issuing Authority:									
Date of Issue:		Date of Expiry:									
Type of Company:		Liability Company ☐ LTD ☐ Corporation ☐ Individual Enterprise ☐ Other:									
C) Company's Authorities (Director, Deputy Director and Board of Directors/Management) Identification:											
No	Given Name	Father Name	Surname	Residential Address	Contact No.	Job title in the Company	Holding share/s (Directly or Indirectly) Yes / No	Percentage and Amount of Share		Holding the Voting Rights (Directly or Indirectly) Yes / No	Having the right to appoint the board of directors or staff in the company (Directly or Indirectly) Yes / No
								Percent age	Amount		
1											
2											
3											
D) Shareholders Identification:											



No.	Given Name	Father Name	Surname	ID No.	Residential Address	Contact No.	Job title in the Company (if applicable)	Holding share/s (Directly or Indirectly) Yes / No	Percentage and Amount of Share		Holding the Voting Rights (Directly or Indirectly) Yes / No	Having the right to appoint the board of directors or staff in the company (Directly or Indirectly) Yes / No
									Percent age	Amount		
1												
2												
3												

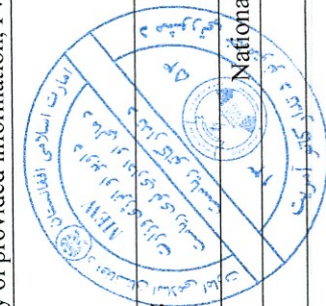
E) Beneficial Ownership Identification:

No.	Given Name	Father Name	Surname	ID No.	Residential Address	Contact No.	Job title in the Company (if applicable)	Type of B/O	Holding share/s (Directly or Indirectly - if applicable) Yes / No	Percentage and Amount of Share		Holding the Voting Rights (Directly or Indirectly) Yes / No	Having the right to appoint the board of directors or staff in the company (Directly or Indirectly) Yes / No
										Percent age	Amount		
1													
2													
3													

F) Declaration

I, hereby, declare that the information provided in this form is true and accurate to the best of my knowledge. In case of hiding, contradiction and/or inaccuracy of provided information, I will be legally held responsible for.

Name:



Signature and Stamp

Job Title:

Date:

National Procurement Directorate prepared this form and has the right to amend it, when required.