



**Ravi Urban Development Authority
Government of the Punjab**



No. RUDA/ENGG-CON/2024/73

Dated: 15/05/2024

**CONSULTANCY SERVICES FOR CONSTRUCTION SUPERVISION OF RIVER
TRAINING WORKS AND BARRAGES**

ADDENDUM NO. 01

TO

EXPRESSION OF INTEREST / PRE-QUALIFICATION DOCUMENT

Enclosed herewith, please find Addendum No. 01 which forms part of the EOI / Pre-qualification Document for above cited engineering consultancy services. This addendum shall become an integral part of the EOI / Pre-qualification Document.

It is to be notified that following the issuance of this addendum, it is understood that the information contained therein will have considered by you in your Expression of Interest.

Nevertheless, the prospective consultants are required to immediately acknowledge the receipt of addendum in writing to the Employer.

Executive Director Engineering
Ravi Urban Development Authority (RUDA)

Encl: As stated

Copy To:

- 1- Director Hydrology, RUDA
- 2- Director PP&C, RUDA
- 3- Director Contracts, RUDA

Address: 151, Abu Bakar Block Garden Town, Canal Road, Lahore.



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The EOI / Pre-qualification documents for above cited engineering consultancy services are amended by revising and replacing the following pages. The prospective consultants shall replace these pages in his copy of the EOI / Pre-qualification document and shall acknowledge receipt of this addendum.

Pages to be replaced:

Document Page No. (to be replaced)	Replacement Page No.
23	23 (R1)
24	24 (R1)

Executive Director Engineering
Ravi Urban Development Authority (RUDA)



1. ELIGIBILITY AND EVALUATION CRITERIA

1.1 Eligibility Criteria

Only the applicants / all members of Joint Venture fulfilling the following basic eligibility criteria substantiated with documentary evidence shall be considered for further evaluation:

- Certificate of registration with Pakistan Engineering Council, along with the valid renewal letter
- Copy of registration with Securities and Exchange Commission of Pakistan or Registrar of firm
- Copy of registration with Income Tax Department and Punjab Revenue Authority
- Affidavit on non-judicial stamp paper that non-performance of a contract did not occur within the last 10 years based on information from all settled disputes or legislation.
- Judicial affidavit that the firm is not blacklisted by any government / semi-government department / autonomous / international body, etc.

1.2 Shortlisting Criteria

The shortlisting of eligible consultants shall be done in accordance with the following evaluation criteria.

Sr. No.	Category	Weightage / Marks
1.	Financial Soundness	24
2.	Experience Record	40
3.	Personnel Capabilities	30
4.	Firm Profile	06
Total		100

Minimum 50% marks are necessary in each category mentioned above. Similarly, only consultants scoring a total of above 65 marks will be further shortlisted.



Ravi Urban Development Authority
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Page No. 24 (R1)

In case of evaluation of Joint Venture, lead firm shall be assigned 60% weightage in each component such as firm experience, human resource capacity and financial capacity and remaining 40% weightage shall be equally assigned to partner firms (if more than one (1) partner firm is involved).

4.2.1. Financial Soundness

For the purpose of evaluating the financial soundness of consultants, the applicant shall provide an audited financial statement for the last three years along with filled out Appendix C-1 and Appendix C-2 provided in this Pre-Qualification Document.

Sr. #	Description	Max Marks	Remarks
i)	Average Annual Turnover for the last three years in Millions of PKR a. 100 to 150 million = 6.0 Marks b. 200 to 250 million = 8.0 Marks c. 250 million and above = 10 Marks	10	Appendix C-1 No marks if bank audited financial statements are not attached and average annual turn-over is less than 100 million.
ii)	Cost of each relevant assignment in PKR a. 1000 to 1500 million = 8.0 Marks (for two 02 projects) b. 1501 to 2000 million = 12 Marks (for two 02 projects) c. 2001 million and above = 14 Marks (for two 02 projects)	14	Appendix C-2 Cost of relevant assignments shall be calculated from cost of projects (<i>works contracts packages</i>) submitted which shall be the same projects as mentioned in Appendix D. Maximum 02 projects in each sub-category i.e. ii(a), ii(b) & ii(c).
	Total Marks of Financial Soundness	24	



RAVI URBAN DEVELOPMENT AUTHORITY

**EXPRESSION OF INTEREST /
PRE-QUALIFICATION DOCUMENT**

**CONSULTANCY SERVICES FOR CONSTRUCTION
SUPERVISION OF RIVER TRAINING WORKS AND
BARRAGES**

**Pre-Qualification Documents and Eligibility Criteria for the Selection of
Consulting Firms / Consortium / Joint Venture**

May 2024



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1. INVITATION OF EXPRESSIONS OF INTEREST

- Ravi Urban Development Authority (RUDA) intends to hire the services of eligible experienced consulting firms for Resident Construction Supervision of River Training Works (RTWs) & Flood Plain Management of multiple River Training Works (RTWs) Construction Contracts, under RUDA Procurement Regulations 2022. The sites are located at left and right banks of River Ravi within jurisdiction of RUDA, Lahore.
- The Consultants will undertake all associated activities essential to ensure the quality work and timely completion of project within budget. However, the scope of consulting services generally includes the Construction Supervision of RTWs, earthworks, stone works, cofferdam etc., in accordance with civil works contracts and to assume the role of “the Engineer” as defined in FIDIC document. The scope of services further includes the effective monitoring, reporting, forewarning the contractor and informing the Client regarding all expected challenges by adopting modern techniques for project administration.
- The interested consultancy firms / joint ventures having experience of similar nature works are invited to express their interest by applying and providing the following information / particulars, duly supported with necessary documents:
 - i. Name of firm / address of the registered office with telephone and email address including organizational chart showing management structure
 - ii. Certificate of registration with Pakistan Engineering Council, along with the valid renewal letter
 - iii. Copy of registration with Securities and Exchange Commission of Pakistan or Registrar of firm
 - iv. Copy of registration with Income Tax Department and Punjab Revenue Authority
 - v. List of five (05) most relevant similar works of equivalent size completed by the firm in the last 10 years (as per the template provided in prequalification document) along with total cost of such works, cost of consultancy services received against those works, date of start, date of completion and performance certificate from the employer.



- vi. List of permanent professional staff along with CVs of relevant key staff showing project wise experience with exact time duration of each project duly supported with valid documentary evidences to authenticate employment of the personnel.
 - vii. Financial position of the firm supported with authenticated Audited financial statement of accounts for the last three years including average annual turnover of firms and average annual current ratio for the last three years.
 - viii. Certificate / affidavit that the firm is not blacklisted by any government / semi-government department or autonomous body, etc.
- The Consultants key expert team is likely to comprise key / non key staff with estimated time input of more than 600 person months including Key Staff input of 200 person-months if all projects commence in parallel. Estimated duration of services is Forty-six (46) months. The Consultants shall be selected in accordance with the quality-cost based selection QCQB (80:20) procedure. The Shortlisted firm shall only be invited to submit Technical and Financial Proposals. The firm securing minimum 65% overall and 50% in each category will be considered short-listed.
 - Pre-Qualification Documents including the scope of work and evaluation criteria can be obtained against the prices of Rs. 5000/- by depositing non-refundable bank draft / pay order in the name of Ravi Urban Development Authority, from RUDA Sub-Office (Engineering Wing), Gate No. 14, National Hockey Stadium, Gulberg, Lahore. The copy of the same for reference is also available on RUDA website www.ruda.gov.pk.
 - The EOIs must reach the Office of Executive Director Engineering, Engineering Wing RUDA Gate No. 14, National Hockey Stadium, Gulberg, Lahore in sealed envelope not later than 29th May 2024 at 11:30 Hrs. The EOIs shall be opened on same date at 12.00 in presence of prospective Applicants/representatives who wish to attend. Interested firms are advised to address their EOIs submissions and enquiries to the following address:

Executive Director Engineering,

Engineering Wing, RUDA

Address: RUDA Sub-Office (Engineering Wing), Gate No. 14, National Hockey Stadium, Gulberg, Lahore.

Telephone: 042-99233229



2. INSTRUCTIONS TO APPLICANTS

The interested consultancy firms / joint ventures having experience of similar nature works are invited to express their interest by applying and providing the requisite information / particulars, duly supported with necessary documents in a format provided in this document. International companies shall only be eligible to participate in association or in JV arrangement with the national eligible engineering consultancy firms / companies.

2.1 Language of EOI

The EOI along with all the supporting documents submitted by the applicant must be in English language.

2.2 Cost of EOI Preparation

The applicant shall bear all costs associated with preparation and submission of its EOI Application. The client will not be responsible or in any way liable for such costs, regardless of the conduct or outcome of the shortlisting process.

2.3 Format of EOI

It is mandatory for the applicant to submit EOI using the standard forms. The applicant shall provide all necessary information and documents as specified in this document in his EOI. EOI Applications that do not prescribe to the standard formats and / or are missing necessary information or documents may be discarded.

2.4 Single EOI

A single applicant shall submit only one EOI application either as an individual consultant or as part of a Joint Venture. In case the applicant submits more than one application in response to this Pre-Qualification Document will result in all of his applications to be discarded.

2.5 Power of Attorney

The applicant shall submit a power of attorney authorizing the signatory of the EOI. All pages of the EOI documents must be signed by the authorized representative of the applicant.



2.6 Joint Venture

Consultants may apply as Joint Venture (JV) of more than one firms. In such case, the EOI shall be signed by all the members of the Joint Venture. One of the joint venture partners shall be nominated as being in charge; and this authorization shall be evidenced by submitting a power of attorney signed by legally authorized signatories of all the joint venture partners. A copy of the agreement entered by the joint venture partners shall be submitted stating the conditions under which it will function, its period of duration, the persons authorized to represent and obligate it and which persons will be directly responsible for due performance of the Contract and can give valid receipts on behalf of the joint venture. No amendments / modifications whatsoever in the joint venture agreement shall be agreed to between the joint venture partners without prior written consent of the Employer. All members of the Joint Venture shall be jointly liable and severally bound to the Employer during the pre-qualification and bidding period and for the fulfilment of the assigned consultancy assignment and terms of contract.

2.7 Sealing and Marking of Envelopes

The EOI shall comprise a single package containing three envelopes. First envelope clearly marked as "Original" shall contain original document in hard form. The original document shall be accompanied with one USB containing scanned soft copy of the same document. Second envelope clearly marked as "Copy 1" shall contain copy of the original document in hard form. Similarly, the third envelope marked as "Copy 2" shall also contain a copy of the original document in hard form. All envelopes shall bear tender name, Client's name, applicant's name, contact person name and number, applicant's official address. Applicant shall ensure that all the envelopes and the package are properly sealed before submission.

2.8 Clarifications

Applicants may clarifications by sending their queries in writing or through email to the following address:

Director Contracts Management, RUDA

shakeel.ahmad@ruda.gov.pk

RUDA Sub-Office, Gate 14, National Hockey Stadium, Block E2, Gulberg III, Lahore



2.9 False Information

Applicant shall ensure seek that the information and documents provided in the EOI are true and correct and nothing has been concealed from the Employer.

2.10 Conflict of Interest

Applicant and all parties constituting the Applicant shall not have a conflict of interest. Applicants shall be considered to have a conflict of interest if,

- a. Such applicants and any other applicant have common controlling shareholders or other ownership interest; provided that this qualification shall not apply in cases where the direct or indirect shareholding in an applicant or a constituent thereof in the other applicant(s) is less than 1% of its paid up and subscribed capital;
- b. A constituent of such applicant is also a constituent of another applicant; or
- c. Such applicant has a relationship with another applicant, directly or through common third parties, that puts them in a position to have access to each other's information about, or to influence the Pre-qualification of either or each of the other applicant; or
- d. Such applicant has participated as a consultant to the Client in the preparation of any documents, design or technical specifications of the Project.

2.11 Confidentiality

Information relating to the examination, clarification, evaluation, and recommendation for the short-listed applicants shall not be disclosed to any person not officially concerned with the process. The Client will treat all information submitted as part of EOI application in confidence and would require all those who have access to such material to treat the same in confidence.

2.12 Fraud and Corruption

The Employer requires that Applicants under this Pre-qualification process, observe the highest standards of ethics during this pre-qualification and further processing. In pursuit of this policy, the Employer defines for the purposes of this provision, the terms set forth below:

- a. "corrupt practice" means the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence the action of a public official in the pre-qualification process or in contract execution;



- b. "fraudulent practice" means a misrepresentation or omission of facts in order to influence the pre-qualification;
- c. "collusive practice" means a scheme or arrangement between two or more Applicants, with or without the knowledge of the Employer, designed to establish artificial data / information; and
- d. "coercive practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the pre-qualification process.

Employer will reject an application for pre-qualification if it determines that the applicant recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive or coercive practices; and Employer will sanction a firm or individual, including declaring them ineligible, either indefinitely or for a stated period of time for pre-qualification if it at any time determines that they have, directly or through an agent, engaged in corrupt, fraudulent, collusive or coercive practices.

NOT FOR USE OF EOI SUBMISSION



3. TERMS OF REFERENCE

Project Brief

3.1 Background:

The Ravi Urban Development Authority has devised a comprehensive plan for River Training Works spanning across both banks of the Ravi River, commencing from the Lahore Syphon and extending to the Hudliara Drain. The primary objective behind these river training initiatives is to establish robust flood protection barriers along either side of the river. Additionally, these works aim to address drought occurrences, elevate water quality standards, foster biodiversity, and establish the groundwork for the creation of a vibrant and functional riverfront. Various types of river training works proposed by RUDA are shown below:

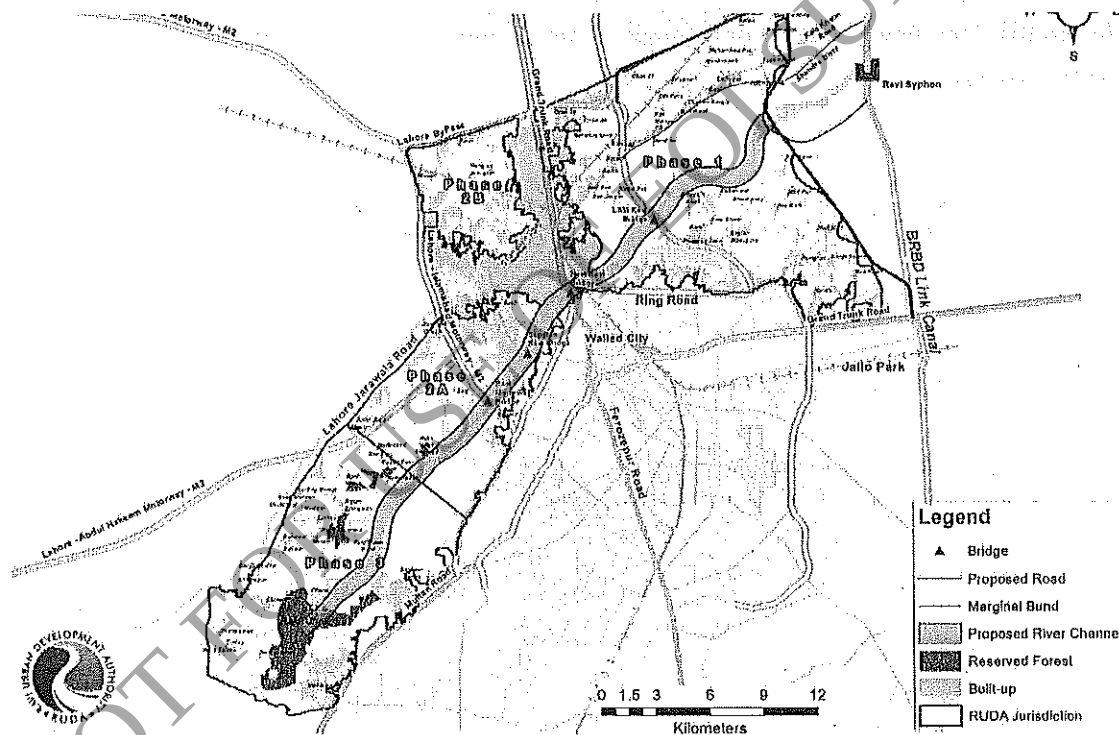


Figure 1: Proposed River alignment from start of project (Ravi Syphon) to end of the project (Hudliara Drain)

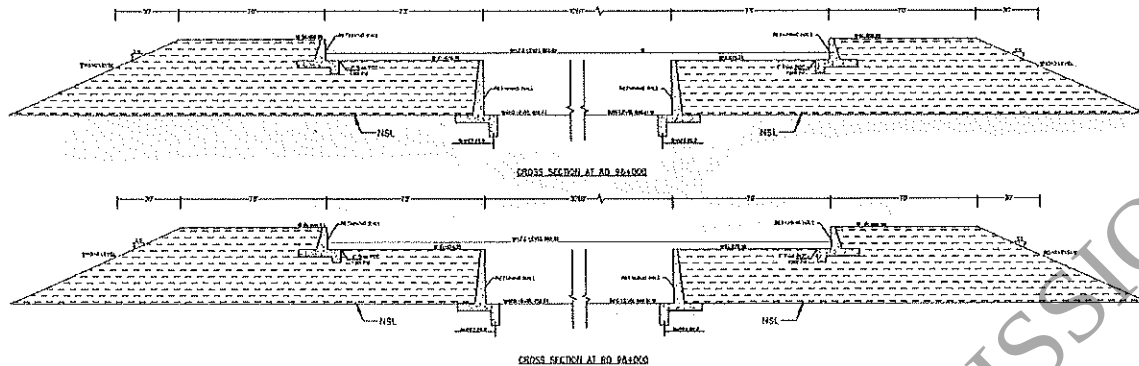


Figure 5: Typical cross-section of Retaining wall (Phase-03)

Construction supervision:

Apparent from Figure 06 below, the intended scope of the proposed river training works, spanning from village Yahya Nagar to Lahore Sialkot Motorway, entails an earthen embankment. This stretch is further segmented into distinct construction packages, delineated as illustrated below:

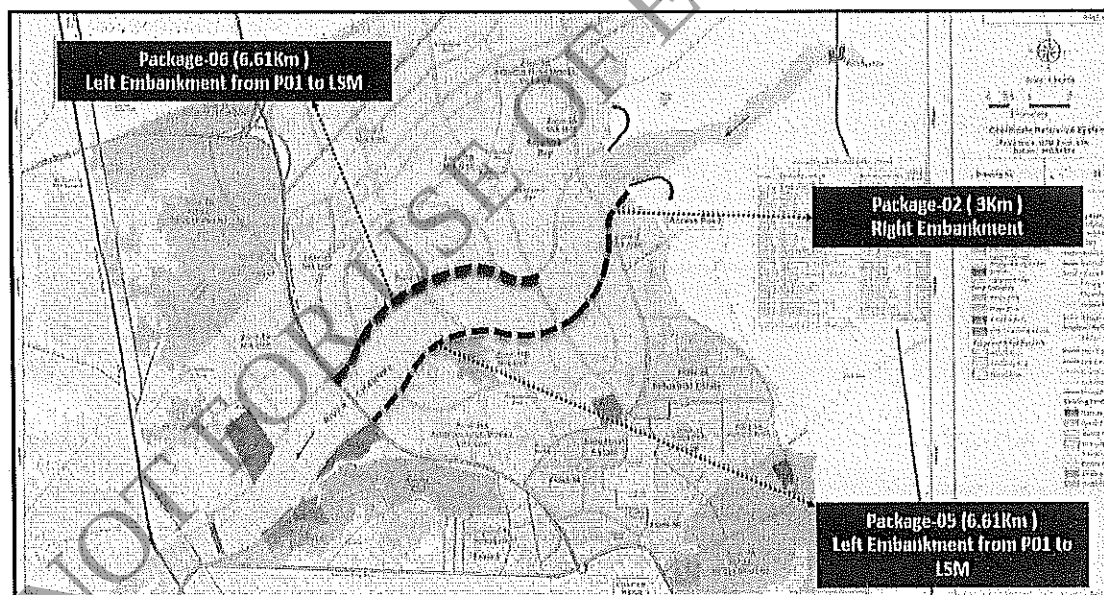


Figure 6: Work packages for Phase-01

The Length of embankment on right side of River Ravi is 6.6 Km and on left side of River Ravi is 9.61 km (total 16.21 km).



This River Training Works is a part of RUDA's masterplan to create a riverfront of 46 Km each side. This riverfront will act as flood retaining structure, recreational area, grout control structure and provide environmental uplift to the area.

3.2 Objectives:

The main objectives of this project are to

- (i) Provide resident consultancy services to monitor and control the construction of River Training Works package 2;
- (ii) Provide resident consultancy services to monitor and control the construction of River Training Works package 5;
- (iii) Provide resident consultancy services to monitor and control the construction of River Training Works package 6, and;
- (iv) Assist in floodplain regulation and monitoring during construction phase.

3.3 Obligations of the Consultant

3.3.1 Scope of Services:

The consultant shall ensure best of its services to ensure timely completion of the project, maintenance of quality and adherence to best engineering practices.

Flood Plain Management During Construction Phase

The overall objectives of flood management task include assistance and guidance to RUDA in real time decision making in events of floods in RUDA jurisdiction areas. The Consultant, through thorough situational analysis, will guide RUDA to Cole flood related damages to infrastructure. Details scope is described as follows.

1. Establish a central control office for floodplain management in RUDA's jurisdiction during construction phase.
2. Prepare an integrated flood management plan, flood fighting plan and SOPs for flood preparedness, to be followed during construction phase. The plan shall be updated every year based on the level of development.



3. Pre-flood inspection of all existing and under construction embankments and suggest maintenance.
4. Using suitable numerical model, assessment of vulnerable areas for various flood limits before each monsoon season. The flood plains should be clearly zoned and explained.
5. Advice on flood fighting equipment to not only save the constriction activity, but also to save the important developments in RUDA's jurisdiction, such as the Industrial area in the South and surrounding large scale developments.
6. Deployment of surveyors and watchman in the field during flood to report the flood situation threat to adjacent population, safety of embankments etc.
7. Act on behalf of client to coordinate with the Irrigation Department during the pre-flood preparedness activities and flood fighting in accordance with Suleman Ghani Guidelines (flood management guidelines).
8. In case a flood warning is issued by PMD or FFC and considering the progress of river training works at that time, immediately provide the client with probable flood inundation, areas to be evacuated and flood fighting strategy.
9. Annual survey of riverine area pre and post flood and proper flood management strategy for next flood season including inspection of hydraulic structures to access structural integrity and inspection for rodent holes, deterioration etc.
10. Sharing plans with entities such as PDMA (Provincial Disaster Management Authority), DDMA (District Disaster Management Authority), FFC (Federal Flood Commission), etc., is crucial. Guidelines outlining the integration of their plans with those of RUDA are essential for seamless coordination and collaboration.
11. Issuing advisories, notifications, and directives to relevant departments during flood situations is essential for coordinated response and action.
12. Define coordination networks for active flood fighting



13. Establishing, maintaining, regularly reviewing, and enhancing the mechanism for early warnings and effective dissemination of accurate information to the public within RUDA's jurisdiction is essential.
14. Issue guidelines for wetting the embankments before every Monsoon or flood season.
15. Training of RUDA Staff regarding the flood plains and floodplain management plan and related software.
16. Deployment of Consultant's staff during flood for active flood fighting/management.

Construction Supervision

1. Provide resident supervision during execution phase to ensure quality of work in accordance with approved design and specification.
2. Ensure quality control /assurance of all construction inputs.
3. Ensure quality of work and workmanship.
4. The consultant shall appoint one person as The Engineer for complete scope of the project.
5. Ensure implementation of standard procedures for safety of workers and general public.
6. To prepare and issue construction drawings.
7. To prepare and issue as built drawings.
8. Approve shop drawing submitted by the contractors.
9. Monitor project progress and carry out necessary correspondence with contractors to improve progress and quality of work.
10. Scrutinize/check /verify/approve the interim payment application (IPA) submitted by the contractors within the time specified in the construction contracts.
11. Delivering tasks and assignments as directed by the client so that the project activities will be implemented on time, in compliance with national laws, and in a manner that will ensure reaching overall and specific objectives of each activity.



12. Participating in strategic planning for the project and communication with all parties involved in project Implementation to ensure that all organization work together effectively.
13. Ensure timely execution of the project by submitting three weeks' look ahead work plan and weekly performance of the contractors.
14. Ensure timely transmittal of acceptance report of civil works and monthly progress report by fifth business day of each calendar month.
15. Ensure that the payment application for civil works is authentic and inerrant and after verifying it. Send it to the employer in a timely manner for payments.
16. Manage the project and related specific activities within given constraints of time, budget, quality and ensure scope, and costs are reasonable and achievable.
17. Ensure that the payment application/ involve for E&M work are authentic and inerrant and after verifying It. Send it to the employer in a timely manner for payments.
18. Establish on-site organization and line of authority in order to carry out the overall plans of the contractor's/client construction team.
19. Establish and ensure maintenance of survey network and deformation monitoring network under joint supervision with the contractor.
20. Reply to any queries regarding design and supervision of services.
21. Monitor the executed project during the defect liability period and submit monthly reports regarding any defect/required rectification. Suggest/ approve rectification procedure and submit reports to the employer.
22. The consultants shall, as have requested by the client, from time to time attend and participate in other meetings held in relation to the project and prepare minutes there of where appropriate.
23. Arrange for inventory of all finished items/equipment with cost.
24. Ensure that warranties, performance securities, and insurance remain valid, and maintain all such records including record of defect liability period also, provide to the employer, when so required the relevant list with description, issuance date, expiry date etc.



25. Maintain a check request register and make it available to the employer as and when required.
26. Consult and attend meetings as necessary with the relevant authorities and departments in relation to the project and prepare minutes thereof where appropriate.
27. Ensure to implement good engineering practices to eliminate potential quality deficiencies.
28. Maintain complete record of on-site and off-site (laboratory), quality Control, project operations, and activities.
29. Submit and manage all construction documents, drawings, BOQ, specification, submittals, Test reports, inspection reports, daily, weekly & monthly reports, safety reports.
30. Consultants shall assist the employer in liaison with different government departments for prompt and effective implementation of the services.
31. Schedule and conduct progress meeting at which all the stakeholders can discuss jointly, such matters as procedures, progress, problems scheduling
32. The consultant will be responsible for resident supervision of the works through qualified graduate engineer(s) and other supervisory staff in the respective discipline with the sufficient experience who will perform their duties with due diligence, efficiency and accordance with the sound engineering practices and specified standards.
33. The consultant will be responsible for review and recommendation for approval of the work schedule submitted by contractor.
34. The consultant will assure and certify that the construction material brought at site by the contractor and incorporated into the work, are properly tested from the recognized laboratory and will provide the same to client and also comply with the specifications.
35. The consultant will assure that work is executed according to the plans and specifications and that all rules and regulations applicable to the work are followed and issue all necessary instruction to the contractor and ensure to implement under intimation to the engineer in charge.
36. The consultant will supervise the contractor in all matters concerning safety and care of work and advise the engineer.



37. The consultant will monitor progress and maintain an up-to-date progress schedule of the work being performed according to the work schedule provided with the contract agreement and approved by the Engineer in charge. The consultant will submit a monthly progress report to the Engineer.
38. Identify and report on the key Performance indicators (KPIs) that are crucial to the success of project.
39. The consultant will be responsible for accuracy of measurement made or executed by the contractor and certified for payment and will maintain permanent record of such measurements for the Engineer.
40. The consultant will verify each work bill of the contractor and will ensure that the work have been executed in accordance with established standards, criteria procedures and as per approved design, drawing, standards, specifications and within the provisions of contract agreement.
41. The consultant will verify and recommend under his seal, the contractor's running payment and final payment clearly indicating that the quantities of work executed/ recommended are according to specification, design, drawings, and contract agreement.
42. The consultant will keep the record of daily inspection reports of work and handover to the Engineer on a fortnightly basis.
43. The consultant will maintain a permanent record of the tests made on materials, items of work involved in the execution of works, utilizing forms approved by the Engineer.
44. The consultant will maintain a permanent record in the shape of copies of all warranties required under terms of contract documents for material including their source and equipment accepted and incorporated.
45. The consultant will inform the Engineer of problems of potential nature which might arise in connection with the construction contract and make recommendation for possible solution.
46. Consultant shall monitor daily progress as per submitted plan of work by contractor and will be responsible to inform the employer in case of any lag in any activity of the work.



47. The consultant will carry out required revision in plans and specifications as required by the Engineer and shall prepare, evaluate and make recommendations for approval of variation orders and assist Engineer in the negotiation necessary for the execution of the changes. Revision will only be encouraged where it improves the performance of work.
48. The consultant will assist the Engineer with interpretation of the drawings and documents, particularly with respect to any disputes with the contract or other effected parties.
49. The consultant will evaluate and make recommendations to the Engineer through key Expert (Contract Engineer) for action to be taken against all contract or claims, disputes, time extensions and other changes outside the scope of work. The consultant will also provide the necessary assistance to the client in processing the contractor's claim ever after the completion of the work order till the finalization of contractor's accounts.
50. The consultant will furnish timely assistance and directions to the contractor in all matters relating to ground survey controls, quality control, testing and other matters relating to the progress of the works.
51. The consultant will coordinate for inspection of site and ensure that relevant information is available and up-to date progress reports before the inspection is made.
52. The consultant will carry out a detailed final inspection of the work and will recommend to the Engineer for issuance of completion certificate stating that work has been completed as per design, drawing standard specification and contract agreement.
53. The consultant will prepare and submit the project completion report giving all details of the project in chronological order.
54. The consultant will assist and provide recommendations regarding finalization of rates of non-BOQ items.
55. The consultant will ensure the proper implementation of construction drawings, contract clauses and propose any change, if required, in the construction drawings in consultation with the design consultant.



56. The consultant will verify/vet the As-Built drawing prepared by the contractor upon completion of work. The consultant shall prepare the checklist upon completion of work for way forward for the execution of defective works during the defect's liability period.

57. The consultant will provide a service till the end of defects liability period without any additional cost. Contract.

58. The consultant will provide assistance in audit paras, litigation & arbitration etc.

59. The consultant shall assist the Client Representative / Engineer-in-charge in the process of handing over and taking over of the project for operation and maintenance to another department (if any)

60. Supervise the drone Imagery & Time laps Videos.

3.4 Team Composition

3.4.1 Allocated Staff for Resident Construction Supervision:

1. The Engineer (1 Nos).
2. Resident Engineer (2 Nos).
3. Assistant Resident Engineer (3 Nos).
4. Planning Engineer (1 Nos).
5. Design Engineer (Geotechnical) (1 Nos).
6. Material Engineer (2 Nos).
7. HSE Manager (2 Nos).
8. Quantity Surveyor. (3 Nos).
9. Site Inspector (Civil) (9 Nos).
10. Lab Technician (5 Nos).
11. Surveyor (5 Nos).
12. Office Manager (3 Nos).
13. Documents Controller (3 Nos).

3.4.2 Allocated Staff for Flood Plain Management:

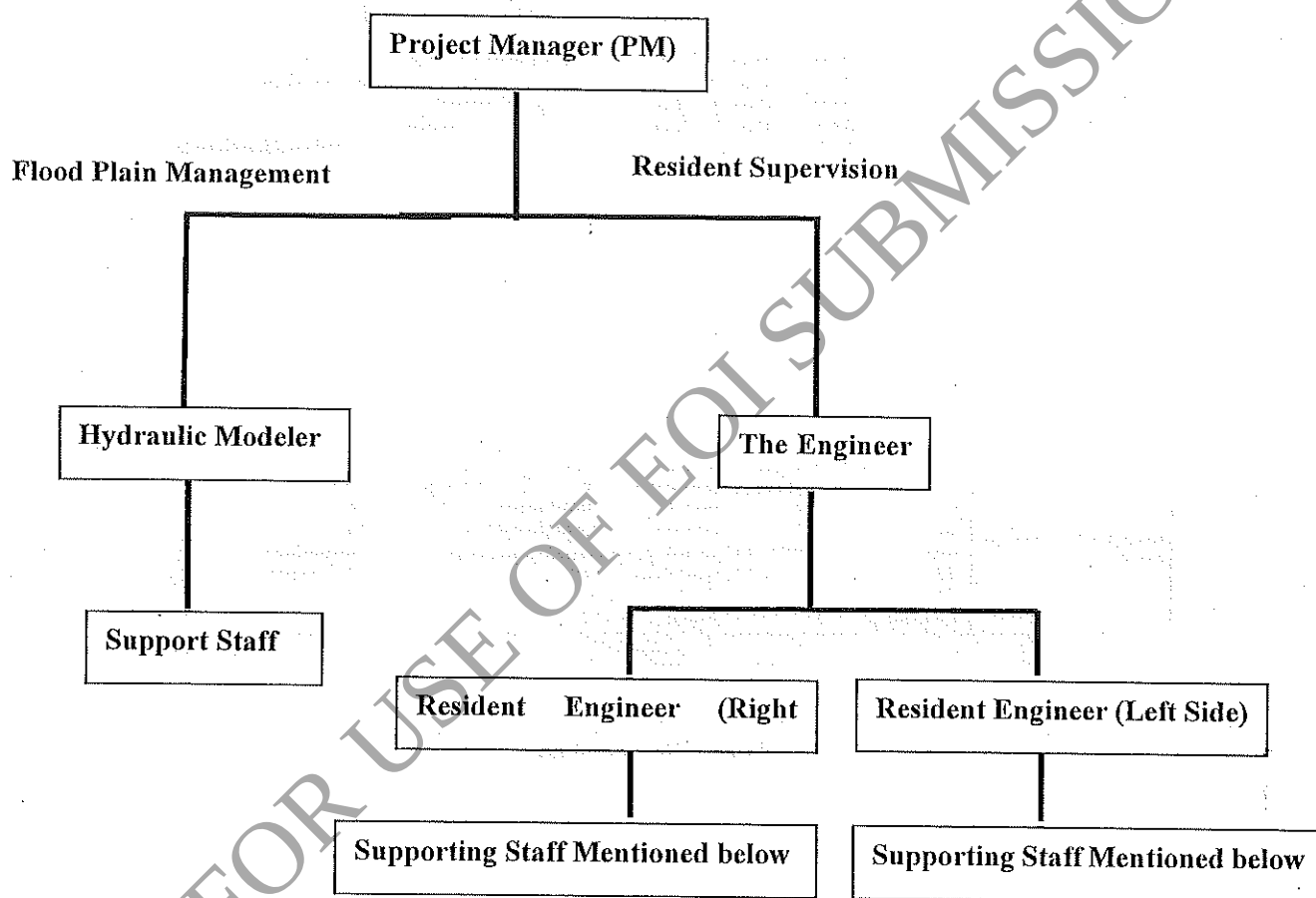
1. Hydraulic Modeler.
2. GIS Expert.



3. Hydraulic Engineer.
4. Environmental Expert.
5. Surveyors.

3.4.3 Unallocated Staff:

1. Any other staff to meet the objectives.





3.5 Project Duration & Schedule:

The total duration of the project including defect liability period is 46 months approx. The schedule plan of the project is attached below.

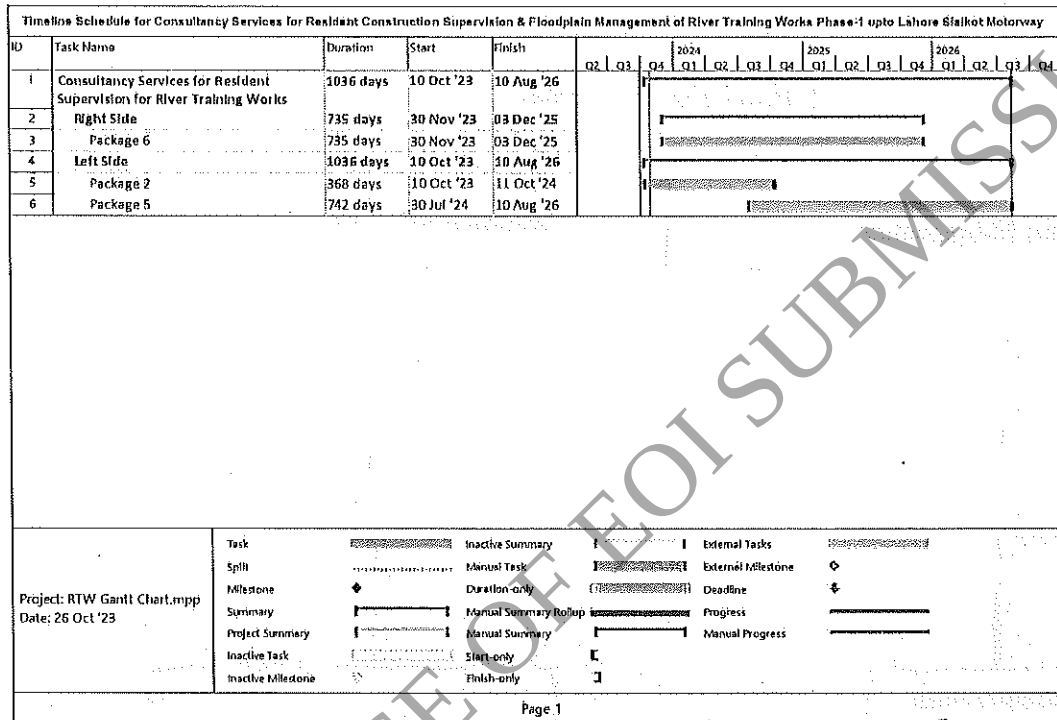


Figure 7: Timeline Schedule



4. ELIGIBILITY AND EVALUATION CRITERIA

4.1 Eligibility Criteria

Only the applicants / all members of Joint Venture fulfilling the following basic eligibility criteria substantiated with documentary evidence shall be considered for further evaluation:

- Certificate of registration with Pakistan Engineering Council, along with the valid renewal letter
- Copy of registration with Securities and Exchange Commission of Pakistan or Registrar of firm
- Copy of registration with Income Tax Department and Punjab Revenue Authority
- Affidavit on non-judicial stamp paper that non-performance of a contract did not occur within the last 10 years based on information from all settled disputes or legislation.
- Judicial affidavit that the firm is not blacklisted by any government / semi-government department / autonomous / international body, etc.

4.2 Shortlisting Criteria

The shortlisting of eligible consultants shall be done in accordance with the following evaluation criteria.

Sr. No.	Category	Weightage / Marks
1.	Financial Soundness	20
2.	Experience Record	40
3.	Personnel Capabilities	30
4.	Firm Profile	10
Total		100

Minimum 50% marks are necessary in each category mentioned above. Similarly, only consultants scoring a total of above 65 marks will be further shortlisted.

In case of evaluation of Joint Venture, lead firm shall be assigned 60% weightage in each component such as firm experience, human resource capacity and financial capacity and remaining



40% weightage shall be equally assigned to partner firms (if more than one (1) partner firm is involved).

4.2.1. Financial Soundness

For the purpose of evaluating the financial soundness of consultants, the applicant shall provide an audited financial statement for the last three years along with filled out Appendix C-1 and Appendix C-2 provided in this Pre-Qualification Document.

Sr. #	Description	Max Marks	Remarks
i)	Average Annual Turnover for the last three years in Millions of PKR a. 100 to 150 million = 6.0 Marks b. 200 to 250 million = 8.0 Marks c. 250 million and above = 10 Marks	10	Appendix C-1 No marks if bank audited financial statements are not attached and average annual turn-over is less than 100 million.
ii)	Cost of each relevant assignment in PKR a. 1000 to 1500 million = 8.0 Marks b. 1501 to 2000 million = 12 Marks c. 2001 million and above = 14 Marks	14	Appendix C-2 Cost of relevant assignments shall be calculated from cost of projects (<i>works contracts packages</i>) submitted which shall be the same projects as mentioned in Appendix D. Maximum 02 projects in each sub-category i.e. ii(a), ii(b) & ii(c).
	Total Marks of Financial Soundness	20	

**4.2.2. Experience Record**

The projects submitted in Appendix D shall be evaluated in accordance with the following criteria.

Relative Size and Similarity of Each Consultancy Assignments (Completed in last 10 years)				
Similarity	Multiplication of Factors (Financial Weightage based on worth of similar consultancy work in PKR M)			Marks Obtained (Maximum 8 Marks)
	250M and above	200 to 250M	Less than 200M	
Strong	1	0.65	0.15	_____ x 8
Medium	0.60	0.40	0.10	
Weak	0.30	0.20	0.05	
Total Marks for 05 Projects				40

5 No. of projects will be evaluated, each carrying equal marks of 8. Project of similar nature, complicity and size includes River Embankments, River Training Works, irrigation Canals, Barrages & Dams with cost not less than 1000 million. Irrelevant projects shall be scored Zero. Consultant failed to provide valid copy of award letter and completion certificate in respect of each consultancy assignment listed in Appendix-D shall secure zero marks.

4.2.3. Personnel / HR Capabilities

The applicant shall submit the list of key personnel as per Appendix E-1 and CVs of each staff member as per Appendix E-2.

Sr. No.	Position / Designation	General/Overall Experience (Years)	Relevant Experience (Years)	Qualifications	Max Marks
1.	Project Manager/Team Leader	20	12	Bachelor's degree in civil engineering and master's degree in any of the following disciplines of Civil Engineering (Hydraulics/Water Resources Engineering/Dams Engineering/Irrigation Engineering) from a recognized university. (Preference will be given to Master's Degree or PhD in relevant field)	07



Sr. No.	Position / Designation	General/Overall Experience (Years)	Relevant Experience (Years)	Qualifications	Max Marks
2.	Resident Engineer 1/Construction Engineer	15	08	Bachelor's degree in civil engineering and master's degree in any of the following disciplines of Civil Engineering (Hydrology/Water Resources Engineering) from a recognized university. (Preference will be given to master's degree in relevant field)	05
3.	Resident Engineer 2/Construction Engineer	15	08	Bachelor's degree in civil engineering and master's degree in any of the following disciplines of Civil Engineering (Hydrology/Water Resources Engineering) from a recognized university. (Preference will be given to master's degree in relevant field)	05
4.	Hydraulic Engineer	15	8	Bachelor's degree in civil engineering with M.Sc. in hydraulics engineering from a recognized university. (Preference will be given to master's degree in relevant field)	05
5.	Hydraulic Modeler	15	8	Bachelor's degree in civil engineering with M.Sc. in hydraulics engineering from a recognized university. (Preference will be given to master's degree in relevant field)	03
6.	Design Engineer (Geotech)	20	12	Bachelor's degree in civil engineering with M.Sc. in Geotechnical Engineering from a recognized university. (Preference will be given to master's degree in relevant field)	05
Total Marks					30

**4.2.4. Firm Profile**

Sr. No.	Position / Designation	Max Marks	Remarks
1.	Organizational Chart of the firm showing management structure	1	Zero mark if standard organizational chart is not provided.
2.	List of permanent staff	3	Zero mark for permanent staff less than five (05). Full marks for permanent staff more than 10 nos.
3.	Quality Management System • ISO 9001 • ISO 14001 • ISO 45001	2	Attach valid ISO certificates. Non-provision of valid ISO certificates shall secure zero marks.
Total Marks		06	



CHECKLIST OF DOCUMENTS MUST BE PROVIDED

1. Letter of EOI application as per Appendix A.
2. Firm details as per Appendix B.
3. Firm organizational chart (*In case of JV, applicable to all members*)
4. Certificate of Quality Management System from ISO (*In case of JV, applicable to any one member*)
5. Certificate of registration of the firm as a legal entity (*In case of JV, applicable to all members*)
6. Certificate of registration with PEC valid till EOI submission date (*In case of JV, applicable to all members*)
7. Copy of registration with Securities and Exchange Commission of Pakistan or Registrar of firm
8. Copy of registration with Income Tax Department and Punjab Revenue
9. Copy of registration with Income Tax Department and Punjab Revenue Authority
10. Memorandum of Understanding (MOU) on stamp paper in case of JV only
11. Income tax returns for the last three years (*In case of JV, applicable to any one member*)
12. Affidavit for non-blacklisting of firm on Stamp Paper (*In case of JV, applicable to all members*)
13. Affidavit on non-judicial stamp paper that non-performance of a contract did not occur within the last 10 years based on information from all settled disputes or legislation.
14. Firm's financial details as per Appendix C-1.
15. List of Costs of Assignments by Consultant as per Appendix C-2.
16. Details of firm's technical experience of similar assignments as per Appendix D.
17. List of Key Personnel as per Appendix E-1.
18. CVs of core members of Project Team as per Appendix E-2.
19. Firm's audited financial statements for the last three (03) years
20. Power of Attorney



APPENDIX A

FORMAT FOR LETTER OF EOI APPLICATION

[On the Letter Head of the Bidder (in case of Single or Lead Member (in case of JV))

Dated:

To,

**Executive Director Engineering,
Ravi Urban Development Authority**

**Subject: EOI APPLICATION TO RAVI URBAN DEVELOPMENT AUTHORITY
FOR DESIGN REVIEW AND VALUE ENGINEERING OF RUDA
ENGINEERING PROJECTS**

Being duly authorized to represent and act on behalf of (M/s _____) and having reviewed and fully understood all of the qualification requirements and information provided, the undersigned hereby expresses its interest and apply for qualification for subject consultancy services. We are enclosing our Expression of Interests (EOIs) in the prescribed manner with the details as per the requirements of the EOI for your evaluation. We, the undersigned, certify to the best of our knowledge and belief that:

- a. We have read the EOI/PQD including the terms of reference (TOR), for this assignment.
- b. Neither the consulting firm nor its JV Member or any of its experts prepared the TOR for this activity.
- c. We confirm that the project references submitted as part of this EOI accurately reflect the experienced of the specified firm/JV (or a member of JV).
- d. The firm/JV Member(s) are NOT currently blacklisted/debarred by any Govt./Semi-Govt. Organizations etc. Neither the consulting firm nor the JV Members have ever been convicted of an integrity-related offense or crime related to corrupt and fraudulent practice.
- e. We understand that it is our obligation to notify RUDA should the Firm or any Member of the JV become ineligible to work with RUDA or be convicted of corrupt and fraudulent practice.
- f. JV Member including all proposed experts named in this EOI, confirmed/authorized us in writing to represent them in expressing interest in this activity.



- g. We understand that any misrepresentation that knowingly or recklessly mislead or attempt to mislead may lead to the automatic rejection of the application, proposal of cancellation of the contract, if awarded, and may result in further remedial action, in accordance with available Mechanism and Manner for Blacklisting of Suppliers, Consultants & Contractors.
- h. All pages of the EOI have been signed by the Authorized Person and stamped.

The undersigned hereby also declares that the statements made, and the information provided in the EOIs are complete, true and correct in every detail.

Yours faithfully,
(Signature of the Authorized Signatory)
(Name, Title, and Address of the Bidder)
Bidder seal & stamp

NOT FOR USE OF EOI SUBMISSION

**APPENDIX B**

Name _____

Designation _____

CNIC No. _____

Contact No. _____

Official Email Address _____

Consulting Firm Information (In case of Single Entity)

Consultant Full Name (Firm):	Acronym (of Firm):
Date of Incorporation:	Country of Incorporation:
EOI Submission Authorized by: (Name of Person)	Position: (of Person in Firm)
Postal Address:	E-mail Address:

In case of Joint Venture (fill it for all the JV Members)

Sr. No.	Consultant	Acronym	Date of Incorporation	Country of Incorporation	EOI Submission Authorized By	Position
Postal Address of Lead Firm:				E-mail Address of Lead Firm:		

Present the rationale for and benefits of working in JV with others rather than undertaking the assignment independently (as appropriate). Describe the proposed management and coordination approach of the association and the role of each firm (up to 200 words).

**APPENDIX C-1: FINANCIAL POSITION OF COMPANY**

Financial Information	Provide the required information for the previous three years		
	Year 2022-23	Year 2021-22	Year 2020-21
Information from Balance Sheet:			
(1) Total Assets (TA)			
(2) Current Assets (CA)			
(3) Total Liabilities (TL)			
(4) Current Liabilities (CL)			
Information from Income Statement:			
(5) Total Revenue (TR)			
(6) Profits before Taxes (PBT)			
Net Worth (1) – (3)			
Current Ratio (2) / (4)			



APPENDIX C-2: COST OF RELEVANT ASSIGNMENT

Sr. No.	Name of Project	Location (Country/Province/ Division)	Client	Project Description	Total Cost of Project	Cost of Consultancy Services Provided by the Firm	Actual Scope of Services Provided by the Consultant
1							
2							
3							
4							
5							

- Provide cost of five (05) assignments as mentioned under Appendix D.



APPENDIX D: FIRM EXPERIENCE

Sr. No.	Name of Project	Location (Country/Province/ Division)	Client	Project Description	Implementation of Project		Total Cost of Project	Period of services provided by the Consultant		Cost of Consultancy Services Provided by the Firm	Actual Scope of Services Provided by the Consultant
					Start Date	Comple tion Date		Start Date	Completion Date		
1											
2											
3											
4											
5											

- Maximum five (05) No. of projects to be submitted.
- Assignments provided beyond the limit of five (05) will be given no weightage.
- Assignment provided must be supported with the completion certificate and letter of award.
- Non-provision of required certificates shall secure zero marks.



APPENDIX E-1: LIST OF KEY PERSONNEL

Sr. No.	Name	Qualification	Total Experience in Years	Position Proposed	Current Responsibilities
1					
2					
3					
4					
5					
6					

- The list of key personnel should be in accordance with proposed positions mentioned in Human Resource capacity.
- 30% weightage shall be given to qualification whereas 70% weightage shall be assigned to experience for each proposed resource given in above table.
- Only one human resource can apply in one sector/sub-sector with one single firm against each post. Similarly, one human resource can be quoted/entered by single firm and no other firm can quote/enter that human resource in any sector/sub-sector.
- It is mandatory for each proposed resource to fulfill minimum eligibility criteria mentioned under section 4.2.3 of this PQD to be qualified for score assignment.

**APPENDIX E-2: CV OF KEY PERSONNEL**

1. Name of Personnel:
2. Current Position in Firm:
3. Date of Birth:
4. Nationality:
5. CNIC No.:
6. Mobile No.:
7. Email Address:
8. Home Address:
9. Education:

Degree	Major/Minor	Institution	Date (MM/YYYY)

10. Membership of Professional Association:**11. Registration No. with Relevant Professional Body:****12. Other Trainings** [indicate significant training since degrees under 6 – Education were obtained]**13. Languages** [For each language indicate proficiency: good, fair, or poor in speaking, reading, and writing]**14. Employment Record** [Starting with the position, list in reverse order every employment held by staff member since graduation, giving for each employment (see format here below)]:

Employer	Position	From (MM/YYYY)	To (MM/YYYY)

15. Details of Work Undertaken:

Name of the assignment or project: _____

Client: _____ Main project features: _____

Position held: _____

Activities performed: _____

Actual time spent on the project: _____ in months.



16. Certification:

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience. I understand that any willful misstatement described herein may lead to my disqualification or dismissal, if engaged.

[Signature of the proposed staff] Date: _____
Day/Month/Year

[Counter Signature of authorized signatory] Date: _____
Day/Month/Year

NOT FOR USE OF EOI SUBMISSION

NOT FOR USE OF EOI SUBMISSION