

SINDH IRRIGATION & DRAINAGE AUTHORITY



NARA CANL AREA WATER BOARD MIRPURKHAS

RFP DOCUMENT

FOR

PROCUREMENT OF CONSULTANCY SERVICES FOR

FEASIBILITY STUDY FOR BRICK LINING OF TWIN AND

OLD JAMRAO CANAL

FEBRUARY 2015

*As per instructions
of Dir (A&P)
pls hold RFP documents w/o ID.*

[Signature]
24/3

SNB: 22869

HP

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Section 1- Letter of Invitation

insert: Invitation/File No.....;
[insert: Location and Date]

[insert: Name and Address of Consultant]

Dear Mr./Ms.:

1. The *[insert: Name of department/line department / implementing Unit]* (hereinafter called "Procuring Agency ") now invites proposals to provide the following consulting services: *[insert: name of consulting services assignment]*. More details on the services are provided in the Terms of Reference.
3. This Request for Proposal (RFP) has been addressed to the following shortlisted/pre-qualified/interested Consultants:

[insert: List of Shortlisted Consultants]

It is not permissible to transfer this invitation to any other firm.

4. A firm will be selected under *[insert: Selection Method]* and procedures described in this RFP, in accordance with the SPPR 2010.
5. The RFP includes the following documents:
 - Section 1 - Letter of Invitation
 - Section 2 - Instructions to Consultants (including Data Sheet)
 - Section 3 - Technical Proposal - Standard Forms
 - Section 4 - Financial Proposal - Standard Forms
 - Section 5 - Terms of Reference
 - Section 6 - Standard Forms of Contract

6. Please inform us in writing at the following address *[insert address]*, upon receipt:

- (a) *that you received the Letter of Invitation; and*
- (b) *whether you will submit a proposal alone or in association.*

Yours sincerely,

[insert: Signature, name, and title of head of the department/ PA 's representative]

Section 2. Instructions to Consultants

[Note to the Procuring Agency, this Section 2 - Instructions to Consultants shall not be modified. Any necessary changes, acceptable to the Procuring Agency, shall be introduced only through the Data Sheet (e.g., by adding new reference paragraphs)]

Definitions

- (a) "Procuring Agency (PA)" means the department with which the selected Consultant signs the Contract for the Services.
- (b) "Consultant" means a professional who can study, design, organize, evaluate and manage projects or assess, evaluate and provide specialist advice or give technical assistance for making or drafting policies, institutional reforms and includes private entities, consulting firms, legal advisors, engineering firms, construction managers, management firms, procurement agents, inspection agents, auditors, international and multinational organizations, investment and merchant banks, universities, research institutions, government agencies, nongovernmental organizations, and individuals
- (c) "Contract" means an agreement enforceable by law and includes General and Special Conditions of the contract.
- (d) "Data Sheet" means such part of the Instructions to Consultants that is used to reflect specific assignment conditions.
- (e) "Day" means calendar day including holiday.
- (f) "Government" means the Government of Sindh.
- (g) "Instructions to Consultants" (Section 2 of the RFP) means the document which provides shortlisted Consultants with all information needed to prepare their Proposals.
- (h) "LOI" (Section 1 of the RFP) means the Letter of Invitation sent by the procuring agency to the Consultant.
- (i) "Proposal" means the Technical Proposal and the Financial Proposal.
- (j) "RFP" means the Request For Proposal prepared by the procuring Agency for the selection of Consultants.
- (k) "Sub-Consultant" means any person or entity to whom the Consultant subcontracts any part of the Services.
- (l) "Terms of Reference" (TOR) means the document included in the RFP as Section 5 which explains the objectives, scope of work, activities, tasks to be performed, respective responsibilities of the procuring agency and the Consultant, and expected results and deliverables of the assignment.

2. Introduction

2.1 The Procuring agency named in the Data Sheet will select a

consulting firm/organization (the Consultant) from those listed in the Letter of Invitation, in accordance with the method of selection specified in the Data Sheet.

- 2.2 The eligible Consultants (shortlisted if so) are invited to submit a Technical Proposal and a Financial Proposal, or a Technical Proposal only, as specified in the Data Sheet. The Proposal will be the basis for contract negotiations and ultimately for a signed Contract with the selected Consultant.
- 2.3 Consultants should familiarize themselves with rules / conditions and take them into account while preparing their Proposals. Consultants are encouraged to attend a pre-proposal conference if one is specified in the Data Sheet. Attending the pre-proposal conference is, however optional. Consultants may liaise with procuring agency's representative named in the Data Sheet for gaining better insight into the assignment.
- 2.4 Consultants shall bear all costs associated with the preparation and submission of their proposals and contract negotiation. The Procuring Agency reserves the right to annul the selection process at any time prior to Contract award, without thereby incurring any liability to the Consultants.
- 2.5 Procuring Agency may provide facilities and inputs as specified in Data Sheet.

3. Conflict of Interest

- 3.1.1 Consultants are required to provide professional, objective, and impartial advice and holding the Procuring Agency interest paramount. They shall strictly avoid conflict with other assignments or their own corporate interest. Consultants have an obligation to disclose any situation of actual or potential conflict that impacts their capacity to serve the best interest of the Procuring Agency, or that may reasonably be perceived as having such effect. Failure to disclose said situations may lead to the disqualification of the Consultant or the termination of its Contract.
- 3.1.2 Without limitation on the generality of the foregoing, Consultants, and any of their affiliates, shall be considered to have a conflict of interest and shall not be recruited, under any of the circumstances set forth below:
 - (i) A consultant that has been engaged by the procuring agency to provide goods, works or services other than consulting services for a project, any of its affiliates, shall be disqualified from providing consulting services related to those goods, works or services. Conversely, a firm

hired to provide consulting services for the preparation or implementation of a project, any of its affiliates, shall be disqualified from subsequently providing goods or works or services other than consulting services resulting from or directly related to the firm's consulting services for such preparation or implementation.

- (ii) A Consultant (including its Personnel and Sub-Consultants) or any of its affiliates shall not be hired for any assignment that, by its nature, may be in conflict with another assignment of the Consultant to be executed for the same or for another Procuring Agency.
- (iii) A Consultant (including its Personnel and Sub-Consultants) that has a business or family relationship with a member of the Procuring Agency's staff who is directly or indirectly involved in any part of (i) the preparation of the Terms of Reference of the assignment, (ii) the selection process for such assignment, or (iii) supervision of the Contract, may not be awarded a Contract, unless the conflict stemming from this relationship has been resolved.

Conflicting Relationships

3.2 Government officials and civil servants may be hired as consultants only if:

- (i) They are on leave of absence without pay;
- (ii) They are not being hired by the agency they were working for, six months prior to going on leave; and
- (iii) Their employment would not give rise to any conflict of interest.

4. Fraud and Corruption

It is Government's policy that Consultants under the contract(s), observe the highest standard of ethics during the procurement and execution of such contracts. In pursuit of this policy, the Procuring Agency follows the instructions contained in Sindh Public procurement Rules 2010 which defines:

" corrupt and fraudulent practices" includes the offering, giving, receiving, or soliciting, directly or indirectly of anything of value to influence the act of another party for wrongful gain or any act or omission, including misrepresentation, that knowingly or recklessly misleads or attempt mislead a party to obtain a financial or other benefit or to avoid an obligation;

Under Rule 35 of SPPR2010, "The PA can inter-alia blacklist Bidders found to be indulging in corrupt or fraudulent practices. Such barring action shall be duly publicized and communicated to the SPPRA. Provided that any supplier or contractor who is to be blacklisted shall be accorded adequate opportunity of being heard".

5. Integrity Pact

Pursuant to Rule 89 of SPPR 2010 Consultant undertakes to sign an

Integrity pact in accordance with prescribed format attached hereto for all the procurements estimated to exceed Rs. 2.5 million. (Annex-A)

- 6. Eligible Consultants**
- 6.1 If short listing process has been undertaken through REOI, as outlined under Rule 73 and 74 of SPPR2010 for the Contract(s) for which these RFP documents are being issued, those firms - in case of Joint Ventures with the same partner(s) and Joint Venture structure - that had been pre-qualified are eligible.
- 6.2 Short listed consultants emerging from request of expression of interest are eligible.
- 7. Eligibility of Sub-Consultants**
- A shortlisted Consultant would not be allowed to associate with Consultants who have failed to qualify the short listing process.
- 8. Only one Proposal**
- Shortlisted Consultants may only submit one proposal. If a Consultant submits or participates in more than one proposal, such proposals shall be disqualified. Participation of the same Sub-Consultant, including individual experts, to more than one proposal is not allowed.
- 9. Proposal Validity**
- 9.1 The Data Sheet indicates Proposals validity that shall not be more than 90 days in case of National Competitive Bidding (NCB) and 120 days in case of International competitive Bidding (ICB). During this period, Consultants shall maintain the availability of Professional staff nominated in the Proposal. The Procuring Agency will make its best effort to complete negotiations within this period. Should the need arise; however, the Procuring Agency may request Consultants to extend the validity period of their proposals. Consultants who agree to such extension shall confirm that they maintain the availability of the Professional staff nominated in the Proposal, or in their confirmation of extension of validity of the Proposal. Consultants may submit new staff in replacement, who would be considered in the final evaluation for contract award. Consultants who do not agree have the right to refuse to extend the validity of their Proposals.
- 9.2 Consultants shall submit required bid security along with financial proposal defined in the data sheet (which shall not be less than one percent and shall not exceed five percent of bid amount).
- 10. Clarification and Amendment in RFP Documents**
- 10.1 Consultants may request for a clarification of contents of the bidding document in writing, and procuring agency shall respond to such queries in writing within three calendar days.

provided they are received at least five calendar days prior to the date of opening of proposal. The procuring agency shall communicate such response to all parties who have obtained RFP document without identifying the source of inquiry. Should the PA deem it necessary to amend the RFP as a result of a clarification, it shall do so.

10.2 At any time before the submission of Proposals, the Procuring Agency may amend the RFP by issuing an addendum/ corrigendum in writing. The addendum shall be sent to all Consultants and will be binding on them. Consultants shall acknowledge receipt of all amendments. To give Consultants reasonable time in which to take an amendment into account in their Proposals the Procuring Agency may, if the amendment is substantial, extend the deadline for the submission of Proposals.

11. Preparation of Proposals

11.1 In preparing their Proposal, Consultants are expected to examine in detail the documents comprising the RFP. Material deficiencies (deviation from scope, experience and qualification of personnel) in providing the information requested may result in rejection of a Proposal.

11.2 The estimate number of professional staff months or the budget required for executing the assignment should be shown in the data sheet, but not both. However, proposal shall be based on the professional staff month or budget estimated by the consultant.

12. Language

The Proposal as well as all related correspondence exchanged by the Consultants and the Procuring Agency shall be written in English. However it is desirable that the firm's Personnel have a working knowledge of the national and regional languages of Islamic Republic of Pakistan.

13. Technical Proposal Format and Content

13.1 While preparing the Technical Proposal, consultants must give particular attention to the following:

(i) If a consultant considers that it does not have all the expertise for the assignment, it may obtain a full range of expertise by associating with individual consultant(s) and/or other firms or entities in a joint venture or sub-consultancy, as appropriate. The international consultants are encouraged to seek the participation of local consultants by entering into a joint venture with, or subcontracting part of the assignment to, national consultants.

(ii) For assignments on a staff-time basis, the estimated number of professional staff-months is given in the Data

Sheet. The proposal shall, however, be based on the number of professional staff-months estimated by the firm. For fixed-budget-based assignments, the available budget is given in the Data Sheet, and the Financial Proposal shall not exceed this budget.

- (iii) It is desirable that the majority of the key professional staff proposed be permanent employees of the firm or have an extended and stable working relationship with it.
- (iv) Proposed professional staff must, at a minimum, have the experience indicated in the Data Sheet, preferably working under similar geographical condition.
- (v) Alternative professional staff shall not be proposed, and only one curriculum vitae (CV) shall submitted for each position.

13.2 The Technical Proposal shall provide the following information using the attached Standard Forms (Section 3):

- (i) A brief description of the consultant organization and an outline of recent experience on assignments (Section 3B) of a similar nature. For each assignment, the outline should indicate, *inter alia*, the profiles of the staff, duration of the assignment, contract amount, and firm's involvement.
- (ii) Any comments or suggestions on the Terms of Reference and on the data, a list of services, and facilities to be provided by the PA (Section 3C).
- (iii) The list of the proposed staff team by specialty, the tasks that would be assigned to each staff team member, and their timing (Section 3E).
- (iv) CVs recently signed by the proposed professional staff and the authorized representative submitting the proposal (Section 3F). Key information should include number of years working for the consultant and degree of responsibility held in various assignments during the last _____ (PA may give number of years as per their requirement) years.
- (v) Estimates of the total staff input (professional and support staff; staff time) needed to carry out the assignment, supported by bar chart diagrams showing the time proposed for each professional staff team member (Sections 3E and 3G).
- (vi) A detailed description of the proposed methodology, work plan for performing the assignment, staffing, and monitoring of training, if the Data Sheet specifies training as a major component of the assignment (Section 3D).
- (vii) Any additional information requested in the Data Sheet.

13.3 The Technical Proposal shall not include any financial information.

14. Financial Proposals

14.1 The Financial Proposal shall be prepared using the attached Standard Forms (Section 4). It shall list all costs associated with the assignment, including (a) remuneration for staff (in the field and at the Consultants' office), and (b) reimbursable expenses indicated in the Data Sheet (if applicable). Alternatively Consultant may provide their own list of cost. If appropriate, these costs should be broken down by activity. All activities and items described in the Technical Proposal must be priced separately; activities and items described in the Technical Proposal but not priced, shall be assumed to be included in the prices of other activities or items.

15. Taxes

15.1 The Consultant will be subject to all admissible taxes including stamp duty and service charges at a rate prevailing on the date of contract agreement unless exempted by relevant tax authority.

16. Submission, Receipt, and Opening of Proposals

16.1 Proposal shall contain no interlineations or overwriting. Submission letters for both Technical and Financial Proposals should respectively be in the format of TECH-1 of Section 3, and FIN-1 of Section 4. All pages of the original Technical and Financial Proposals will be initialed by an authorized representative of the Consultants (Individual Consultant). The authorization shall be in the form of a written power of attorney accompanying the Proposal

16.2 All required copies of the Technical Proposal are to be made from the original. If there are discrepancies between the original and the copies of the Technical Proposal, the original governs.

16.3 The original and all copies of the Technical Proposal shall be placed in a sealed envelope clearly marked "TECHNICAL PROPOSAL" Similarly, the original Financial Proposal (if required under the selection method indicated in the Data Sheet) shall be placed in a sealed envelope clearly marked "FINANCIAL PROPOSAL" followed by name of the assignment, and with a warning "DO NOT OPEN WITH THE TECHNICAL PROPOSAL." If the Financial Proposal is not submitted in a separate sealed envelope duly marked as indicated above, this will constitute grounds for declaring the Proposal non-responsive.

16.4 The Proposals must be sent to the address indicated in the Data Sheet and received by the PA no later than the time and the date indicated in the Data Sheet, or any extension to this date. Any proposal received by the PA after the deadline for submission

shall be returned unopened. In order to avoid any delay arising from the postal or PA's internal despatch workings, Consultants should ensure that proposals to be sent through couriers should reach a day before the deadline for submission.

17. Proposal Evaluation

- 17.1 From the time the Proposals are opened to the time the Contract is awarded, the Consultants should not contact the PA on any matter related to its Technical and/or Financial Proposal. Any effort by Consultants to influence the PA in the examination, evaluation, ranking of Proposals, and recommendation for award of Contract may result in the rejection of the Consultants' Proposal.

Evaluators of Technical Proposals shall have no access to the Financial Proposals until the technical evaluation is concluded.

18. Evaluation of Technical Proposals

- 18.1 The evaluation committee shall evaluate the Technical Proposals on the basis of their responsiveness to the Terms of Reference, applying the evaluation criteria, sub-criteria, and point system specified in the Data Sheet. Each responsive Proposal will be given a technical score (St). A Proposal shall be rejected at this stage if it fails to achieve the minimum technical score indicated in the Data Sheet.

In the case of Quality-Based Selection, Selection Based on Consultant's Qualifications, and Single-Source Selection, the highest ranked consultant or firm selected on a single-source basis is invited to negotiate its proposal and the contract on the basis of the Technical Proposal and the Financial Proposal submitted.

**Public Opening and Evaluation of Financial Proposals:
(LCS , QCBS, and Fixed Budget Selection Methods Only)**

- 18.2 After the technical evaluation is completed, the PA shall notify in writing Consultants that have secured the minimum qualifying marks, the date, time and location, allowing a reasonable time, for opening the Financial Proposals. Consultants' attendance at the opening of Financial Proposals is optional.

Financial proposals of those consultants who failed to secure minimum qualifying marks shall be returned unopened.

19. Evaluation of Financial Proposals

19.1 Financial Proposals shall be opened publicly in the presence of the Consultants' representatives who choose to attend. The name of the Consultants and the technical scores of the Consultants shall be read aloud. The Financial Proposal of the Consultants who met the minimum qualifying mark will then be inspected to confirm that they have remained sealed and unopened. These Financial Proposals shall be then opened, and the total prices read aloud and recorded. Copy of the record shall be sent to all Consultants.

19.2 The Evaluation Committee will correct any computational errors. When correcting computational errors, in case of discrepancy between a partial amount and the total amount, or between word and figures the formers will prevail. In addition to the above corrections, activities and items described in the Technical Proposal but not priced, shall be assumed to be included in the prices of other activities or items.

19.3 In case of **Least Cost Selection LCS Method**, the bid found to be the lowest evaluated bid shall be accepted.

19.4 In case of **Quality and Cost Based Selection QCBS Method** the lowest evaluated Financial Proposal (Fm) will be given the maximum financial score (Sf) of 100 points. The financial scores (Sf) of the other Financial Proposals will be computed as indicated in the Data Sheet. Proposals will be ranked according to their combined technical (St) and financial (Sf) scores using the weights (T = the weight given to the Technical Proposal; P = the weight given to the Financial Proposal; T + P = 1) indicated in the Data Sheet: $S = St \times T\% + Sf \times P\%$. The firm achieving the highest combined technical and financial score will be invited for negotiations.

19.5 In the case of **Fixed-Budget and Quality Based Selection**, the Procuring Agency will select the firm that submitted the highest ranked Technical Proposal.

20. Negotiations

20.1 Negotiations will be held at the date and address indicated in the Data Sheet. The invited Consultant will, as a pre-requisite for attendance at the negotiations, confirm availability of all Professional staff. Failure in satisfying such requirements may result in the PA proceeding to negotiate with the next-ranked Consultant. Representatives conducting negotiations on behalf of the Consultant must have written authority to negotiate and conclude a Contract.

- 21. Technical negotiations**
- 21.1 Technical Negotiations will include a discussion of the Technical Proposal, the proposed technical approach and methodology, work plan, organization and staffing, and any suggestions made by the Consultant to improve the Terms of Reference. The PA and the Consultants will finalize the Terms of Reference, staffing schedule, work schedule, logistics, and reporting. These documents will then be incorporated in the Contract as "Description of Services". Minutes of negotiations, which will be signed by the PA and the Consultant, will become part of Contract Agreement.
- 22. Financial negotiations**
- 22.1 If applicable, it is the responsibility of the Consultant, before starting financial negotiations, to contact the local tax authorities to determine the tax amount to be paid by the Consultant under the Contract. The financial negotiations will include a clarification (if any) of the firm's tax liability, and the manner in which it will be reflected in the Contract; and will reflect the agreed technical modifications in the cost of the services. Consultants will provide the PA with the information on remuneration rates described in the Appendix attached to Section 4 (i.e. Financial Proposal - Standard Forms of this RFP).
- 23. Availability of Professional staff/experts**
- 23.1 Having selected the Consultant on the basis of, among other things, an evaluation of proposed Professional staff, the PA expects to negotiate a Contract on the basis of the Professional staff named in the Proposal. Before contract negotiations, the PA will require assurances that the Professional staff will be actually available. The PA will not consider substitutions during contract negotiations unless both parties agree that undue delay in the selection process makes such substitution unavoidable or for reasons such as death or medical incapacity. If this is not the case and if it is established that Professional staff were offered in the proposal without confirming their availability, the Consultant may be disqualified. Any proposed substitute shall have equivalent or better qualifications and experience than the original candidate and be submitted by the Consultant within the period of time specified in the letter of invitation to negotiate.
- 24. Award of Contract**
- 24.1 After completing negotiations, the Procuring Agency shall award the Contract to the selected Consultant and within seven of the award of contract, Procuring Agency shall publish on the website of the Authority and on its own website, if such a website exists, the result of the bidding process, identifying the bid through procuring identifying number, if any and the following information, evaluation report, form of contract and letter of award, bill of quantity or schedule of requirement, as

the case may be.

- 24.2 After publishing of award of contract consultant required to submit a performance security at the rate indicated in date sheet.
- 24.3 The Consultant is expected to commence the assignment on the date and at the location specified in the Data Sheet.

25. Confidentiality

Information relating to evaluation of Proposals and recommendations concerning awards shall not be disclosed to the Consultants who submitted the Proposals or to other persons not officially concerned with the process, until the publication of the award of Contract. The undue use by any Consultant of confidential information related to the process may result in the rejection of its Proposal.

Name of the Assignment is: Procurement of consultancy for detailed survey, design work and construction supervision of C.C. Lining and rehabilitation of Jamrao Canal system.

The Name of the PA's official (s): Director Nara Canal Area Water Board
Address: Office of the Director Nara Canal Area Water Board near Gama Stadium Thandhi Sarak Mirpurkhas

Telephone: 0233-9290157 Facsimile: 0233-9290130
E-mail: directornaracanalawab@yahoo.com

The method of selection is: Quality and Cost based selection method.

The edition of the Guidelines is: Sindh Public Procurement Rule 2010
Financial Proposal to be submitted together with Technical Proposal: in separate envelopes.

The PA will provide the following inputs and facilities: N/A

The Proposal submission address is: Office of the Director Nara Canal Area Water Board near Gama Stadium Thandhi Sarak Mirpurkhas.

Proposals must be submitted no later than the following date and time:
26th March, 2015 by 15:00 Hrs.

Expected date for commencement of consulting services
15th May, 2015.

Proposals validity that shall not be more than 90 days in case of National Competitive Bidding (NCB).

Clarifications may be requested not later than five days before the submission date.

The address for requesting clarifications is: Office of the Director Nara Canal Area Water Board near Gama Stadium Thandhi Sarak Mirpurkhas

Telephone: 0233-9290157 Facsimile: 0233-9290130
E-mail: directornaracanalawab@yahoo.com

The Proposal as well as all related correspondence exchanged by the Consultants and the Procuring Agency shall be written in English

1.2	The estimated number of professional staff-months required for the assignment is: 480 Months.
13.1	The format of the Technical Proposal to be submitted is: FTP , Technical Proposal Standard forms.
15.1	Amounts payable by the PA to the Consultant under the contract to be subject to local taxation, stamp duty and service charges, if applicable N/A:
6.3	Not Applicable
16.2	Consultant must submit the original and 02 copies of the Technical Proposal, and the original and 02 copies of the Financial Proposal.

13.1 Option "A"

The weightage of the technical and financial proposal has been adopted as 90% and 10% respectively.

The Criteria, sub-Criteria and point system for the evaluation of Full Technical Proposal are:

	<u>Points</u>
(i) Specific Experience of the Consultants relevant to the Assignment	10
(ii) The adequacy of the proposed methodology and work plan in responding to the terms of reference	
a) Technical Approach and methodology	10
b) Work Plan	10
c) Organization and staffing	5

(iii) Key Professional staff qualification and competence for the Assignment:

a) Project Manager/Team Leader	10
b) Hydraulic Structure Design Engineer	05
c) Pre Cast Bridge Design Engineer	05
d) Geo Technical Engineer	05
e) Irrigation Engineer	05
f) GIS & RS Specialist	05
g) Procurement Specialist	05
h) Survey Engineer	03
i) Environmental Engineer	03
j) CAD Specialist	03
k) Agronomist	03
l) Economist	03
Total Points for criterion (iii):	55

Total Points: 90

The minimum Technical Score required to pass = 70 Points.

20.1	Expected date and address for contract negotiations: 15 th March 2012, Managing Director Sindh Irrigation & Drainage Authority (SIDA).
24.2	Successful consultant is required to submit 5% of the Contract amount as performance security in form of pay order, demand draft, Performance Bond by insurance Company or bank guarantee.
5.1	Consultant undertake to sign Integrity Pact for the procurement estimated to exceed Pak Rs.2.5 million.

Section 3. Technical Proposal - Standard Forms

[Comments in brackets] provide guidance to the shortlisted Consultants for the preparation of their Technical Proposals; they should be deleted from the Technical Proposals to be submitted.]

Refer to Reference Paragraph 3.4 of the Data Sheet for format of Technical Proposal to be submitted, and paragraph 3.4 of Section 2 of the RFP for Standard Forms required and number of pages recommended.

Form TECH-1. Technical Proposal Submission Form	19
Form TECH-2. Consultant's Organization and Experience.....	20
A - Consultant's Organization	20
B - Consultant's Experience	21
Form TECH-3. Comments and Suggestions on the Terms of Reference and on Counterpart Staff and Facilities to be Provided by the PA	22
A - On the Terms of Reference.....	22
B - On Counterpart Staff and Facilities.....	23
Form TECH-4. Description of Approach, Methodology and Work Plan for Performing the Assignment	24
Form TECH-5. Team Composition and Task Assignments	25
Form TECH-6. Curriculum Vitae (CV) for Proposed Professional Staff.....	26
Form TECH-7. Staffing Schedule'.....	28
Form TECH-8. Work Schedule.....	29

FORM TECH-1. TECHNICAL PROPOSAL SUBMISSION FORM

[Location, Date]

To: [Name and address of PA]

Dear Sirs:

We, the undersigned, offer to provide the consulting services for [Insert title of assignment] in accordance with your Request for Proposal dated [Insert Date] and our Proposal. We are hereby submitting our Proposal, which includes this Technical Proposal, and a Financial Proposal sealed under a separate envelope¹.

We are submitting our Proposal in association with: [Insert a list with full name and address of each associated Consultant]²

We hereby declare that all the information and statements made in this Proposal are true and accept that any misinterpretation contained in it may lead to our disqualification.

If negotiations are held during the period of validity of the Proposal, i.e., before the date indicated in the Data Sheet, we undertake to negotiate on the basis of the proposed staff. Our Proposal is binding upon us and subject to the modifications resulting from Contract negotiations.

We undertake, if our Proposal is accepted, to initiate the consulting services related to the assignment not later than the date indicated in the Data Sheet.

We understand you are not bound to accept any Proposal you receive.

We remain,

Yours sincerely,

Authorized Signature [In full and initials]: _____

Name and Title of Signatory: _____

Name of Firm: _____

Address: _____

1 [In case Paragraph Reference 1.2 of the Data Sheet requires to submit a Technical Proposal only, replace this sentence with: "We are hereby submitting our Proposal, which includes this Technical Proposal only."]
2 [Delete in case no association is foreseen.]

For FTP Only

FORM TECH-2. CONSULTANT'S ORGANIZATION AND EXPERIENCE

A - Consultant's Organization

[Provide here a brief (two pages) description of the background and organization of your firm/entity and each associate for this assignment.]

B - Consultant's Experience

[Using the format below, provide information on each assignment for which your firm, and each associate for this assignment, was legally contracted either individually or as a corporate entity or as one of the major companies within an association, for carrying out consulting services similar to the ones requested under this assignment. Use 20 pages.]

Assignment name:	Approx. value of the contract (in current US\$ or Euro):
Country: Location within country:	Duration of assignment (months):
Name of PA:	Total No of staff-months of the assignment:
Address:	Approx. value of the services provided by your firm under the contract (in current US\$ or Euro):
Start date (month/year): Completion date (month/year):	No of professional staff-months provided by associated Consultants:
Name of associated Consultants, if any:	Name of senior professional staff of your firm involved and functions performed (indicate most significant profiles such as Project Director/Coordinator, Team Leader):
Narrative description of Project:	
Description of actual services provided by your staff within the assignment:	

Firm's Name: _____

For FTP Only

**FORM TECH-3. COMMENTS AND SUGGESTIONS ON THE TERMS OF
REFERENCE AND ON COUNTERPART STAFF AND FACILITIES TO BE
PROVIDED BY THE PA**

A - On the Terms of Reference

[Present and justify here any modifications or improvement to the Terms of Reference you are proposing to improve performance in carrying out the assignment (such as deleting some activity you consider unnecessary, or adding another, or proposing a different phasing of the activities). Such suggestions should be concise and to the point, and incorporated in your Proposal.]

B - On Counterpart Staff and Facilities

[Comment here on counterpart staff and facilities to be provided by the PA according to Paragraph Reference 1.4 of the Data Sheet including: administrative support, office space, local transportation, equipment, data, etc.]

FORM TECH-4. DESCRIPTION OF APPROACH, METHODOLOGY AND WORK PLAN FOR PERFORMING THE ASSIGNMENT

(For small or very simple assignments the PA should omit the following text in *Italic*)

[Technical approach, methodology and work plan are key components of the Technical Proposal. You are suggested to present your Technical Proposal (50 pages, inclusive of charts and diagrams) divided into the following three chapters:

- a) Technical Approach and Methodology.*
- b) Work Plan, and*
- c) Organization and Staffing.*

a) Technical Approach and Methodology. In this chapter you should explain your understanding of the objectives of the assignment, approach to the services, methodology for carrying out the activities and obtaining the expected output, and the degree of detail of such output. You should highlight the problems being addressed and their importance, and explain the technical approach you would adopt to address them. You should also explain the methodologies you propose to adopt and highlight the compatibility of those methodologies with the proposed approach.

b) Work Plan. In this chapter you should propose the main activities of the assignment, their content and duration, phasing and interrelations, milestones (including interim approvals by the PA), and delivery dates of the reports. The proposed work plan should be consistent with the technical approach and methodology, showing understanding of the TOR and ability to translate them into a feasible working plan. A list of the final documents, including reports, drawings, and tables to be delivered as final output, should be included here. The work plan should be consistent with the Work Schedule of Form TECH-8.

c) Organization and Staffing. In this chapter you should propose the structure and composition of your team. You should list the main disciplines of the assignment, the key expert responsible, and proposed technical and support staff.]

FORM TECH-5. TEAM COMPOSITION AND TASK ASSIGNMENTS

Professional Staff				
Name of Staff	Firm	Area of Expertise	Position Assigned	Task Assigned

FORM TECH-6. CURRICULUM VITAE (CV) FOR PROPOSED PROFESSIONAL STAFF

1. **Proposed Position** [only one candidate shall be nominated for each position]: _____
2. **Name of Firm** [Insert name of firm proposing the staff]: _____

3. **Name of Staff** [Insert full name]: _____
4. **Date of Birth:** _____ **Nationality:** _____
5. **Education** [Indicate college/university and other specialized education of staff member, giving names of institutions, degrees obtained, and dates of obtainment]: _____

6. **Membership of Professional Associations:** _____

7. **Other Training** [Indicate significant training since degrees under 5 - Education were obtained]: _____

8. **Countries of Work Experience:** [List countries where staff has worked in the last ten years]: _____

9. **Languages** [For each language indicate proficiency: good, fair, or poor in speaking, reading, and writing]: _____

10. **Employment Record** [Starting with present position, list in reverse order every employment held by staff member since graduation, giving for each employment (see format here below): dates of employment, name of employing organization, positions held.]:

From [Year]: ____ To [Year]: _____

Employer: _____

Positions held: _____

11. Detailed Tasks Assigned

12. Work Undertaken that Best Illustrates Capability to Handle the Tasks Assigned

times the sum of

PLEASE SEE PART OF CITY COMPASSION

London, England, 1945

Section 3. Technical Proposal - Standard Forms

<p><i>[List all tasks to be performed under this assignment]</i></p>	<p><i>[Among the assignments in which the staff has been involved, indicate the following information for those assignments that best illustrate staff capability to handle the tasks listed under point 11.]</i></p> <p>Name of assignment or project: _____</p> <p>Year: _____</p> <p>Location: _____</p> <p>PA: _____</p> <p>Main project features: _____</p> <p>Positions held: _____</p> <p>Activities performed: _____</p>
--	--

13. Certification:

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

[Signature of staff member or authorized representative of the staff] Date: _____
Day/Month/Year

Full name of authorized representative: _____

FORM TECH-7. STAFFING SCHEDULE¹

N°	Name of Staff	Staff input (in the form of a bar chart) ²												Total staff-month input			
		1	2	3	4	5	6	7	8	9	10	11	12	n	Home	Field ³	Total
Foreign																	
1	[Home] [Field]																
2																	
3																	
0																	
															Subtotal		
Local																	
1	[Home] [Field]																
2																	
n																	
															Subtotal		
															Total		

1 For Professional Staff the input should be indicated individually; for Support Staff it should be indicated by category (e.g.: draftsmen, clerical staff, etc.).
 2 Months are counted from the start of the assignment. For each staff indicate separately staff input for home and field work.
 3 Field work means work carried out at a place other than the Consultant's home office.

 Full time input
  Part time input

Section 4. Financial Proposal - Standard Forms

[Comments in brackets [] provide guidance to the shortlisted Consultants for the preparation of their Financial Proposals; they should be deleted from the Financial Proposals to be submitted.]

Financial Proposal Standard Forms shall be used for the preparation of the Financial Proposal according to the instructions provided under para. 3.6 of Section 2. Such Forms are to be used whichever is the selection method indicated in para. 4 of the Letter of Invitation.

[The Appendix "Financial Negotiations - Breakdown of Remuneration Rates" is to be only used for financial negotiations when Quality-Based Selection, Selection Based on Qualifications, or Single-Source Selection method is adopted, according to the indications provided under para. 6.3 of Section 2.]

Form FIN-1. Financial Proposal Submission Form	31
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Form FIN-3. Breakdown of Costs by Activity ¹	33
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FORM FIN-1. FINANCIAL PROPOSAL SUBMISSION FORM

[Location, Date]

To: [Name and address of PA]

Dear Sirs:

We, the undersigned, offer to provide the consulting services for [Insert title of assignment] in accordance with your Request for Proposal dated [Insert Date] and our Technical Proposal. Our attached Financial Proposal is for the sum of [Insert amount(s) in words and figures¹].

Our Financial Proposal shall be binding upon us subject to the modifications resulting from Contract negotiations, up to expiration of the validity period of the Proposal, i.e. before the date indicated in Paragraph Reference 1.12 of the Data Sheet.

Commissions and gratuities paid or to be paid by us to agents relating to this Proposal and Contract execution, if we are awarded the Contract, are listed below²:

Name and Address of Agents	Amount and Currency	Purpose of Commission or Gratuity
_____	_____	_____
_____	_____	_____
_____	_____	_____

We understand you are not bound to accept any Proposal you receive.

We remain,

Yours sincerely,

Authorized Signature [In full and initials]: _____

Name and Title of Signatory: _____

Name of Firm: _____

Address: _____

¹ Amounts must coincide with the ones indicated under Total Cost of Financial proposal in Form FIN-2.
² If applicable, replace this paragraph with: "No commissions or gratuities have been or are to be paid by us to agents relating to this Proposal and Contract execution."

FORM FIN-2. SUMMARY OF COSTS

Item	Costs	
	Indicate Foreign Currency	Indicate Local Currency
Total Costs of Financial Proposal ²		

- 1 Indicate between brackets the name of the foreign currency. Maximum of three currencies; use as many columns as needed, and delete the others.
- 2 Indicate the total costs excluding local taxes to be paid by the PA in each currency. Such total costs must coincide with the sum of the relevant Subtotals indicated in all Forms FIN-3 provided with the Proposal.

FORM FIN-3. BREAKDOWN OF COSTS BY ACTIVITY¹

Group of Activities (Phase): ²	Description: ³	Costs		
		[Indicate Foreign Currency # 1] ⁴	[Indicate Foreign Currency # 2] ⁴	[Indicate Foreign Currency # 3] ⁴
Cost component				[Indicate Local Currency]
Remuneration ⁵				
Reimbursable Expenses ⁵				
Subtotals				

- 1 Form FIN-3 shall be filled at least for the whole assignment. In case some of the activities require different modes of billing and payment (e.g.: the assignment is phased, and each phase has a different payment schedule), the Consultant shall fill a separate Form FIN-3 for each group of activities. For each currency, the sum of the relevant Subtotals of all Forms FIN-3 provided must coincide with the Total Costs of Financial Proposal indicated in Form FIN-2.
- 2 Names of activities (phase) should be the same as, or correspond to the ones indicated in the second column of Form TECH-8.
- 3 Short description of the activities whose cost breakdown is provided in this Form.
- 4 Indicate between brackets the name of the foreign currency. Use the same columns and currencies of Form FIN-2.
- 5 For each currency. Remuneration and Reimbursable Expenses must respectively coincide with relevant Total Costs indicated in Forms FIN-4, and FIN-5.

Section 4 - Financial Proposal - Standard Forms

Form FIN-4. Breakdown of Remuneration¹
 (This Form FIN-4 shall only be used when it is indicated in Reference Paragraph 5.6 of the Data Sheet that remuneration shall be Time Based)

Group of Activities (Phase):

Name ²	Position ³	Staff-month Rate ⁴	Input ⁵ (Staff-months)	[Indicate Foreign Currency # 1] ⁶	[Indicate Foreign Currency # 2] ⁶	[Indicate Foreign Currency # 3] ⁶	[Indicate Local Currency] ⁶
Foreign Staff							
		[Home]					
		[Field]					
Local Staff							
		[Home]					
		[Field]					
			Total Costs				

- 1 Form FIN-4 shall be filled for each of the Forms FIN-3 provided.
- 2 Professional Staff should be indicated individually. Support Staff should be indicated per category (e.g.: draftsmen, clerical staff).
- 3 Positions of Professional Staff shall coincide with the ones indicated in Form TECH-5.
- 4 Indicate separately staff-month rate and currency for home and field work.
- 5 Indicate separately for home and field work, the total expected input of staff for carrying out the group of activities or phase indicated in the Form.
- 6 Indicate between brackets the name of the foreign currency. Use the same columns and currencies of Form FIN-2. For each staff indicate the remuneration in the column of the relevant currency, separately for home and field work. Remuneration = Staff-month Rate x Input.

Positions of Professional Staff shall coincide with the ones indicated in Form TECH-5.

- 4 Indicate separately staff-month rate and currency for home and field work
- 5 Indicate, separately for home and field work, the total expected input of staff for carrying out the group of activities or phase indicated in the Form.
- 6 Indicate between brackets the name of the foreign currency. Use the same columns and currencies of Form FIN-2. For each staff indicate the remuneration in the column of the relevant currency, separately for home and field work. Remuneration = Staff-month Rate x Input.

FORM FIN-4. BREAKDOWN OF REMUNERATION¹

(This Form FIN-4 shall only be used when it is indicated in Reference Paragraph 5.6 of the Data Sheet that remuneration shall be Lump-Sum. Information to be provided in this Form shall only be used to establish payments to the Consultant for possible additional services requested by the PA)

Name ²	Position ³	Staff-month Rate ⁴
Foreign Staff		
		[Home] [Field]
Local Staff		
		[Home] [Field]

Section 4 - Financial Proposal - Standard Forms

- 1 Form FIN-4 shall be filled in for the same Professional and Support Staff listed in Form TECH-7.
- 2 Professional Staff should be indicated individually; Support Staff should be indicated per category (e.g.: draftsmen, clerical staff).
- 3 Positions of the Professional Staff shall coincide with the ones indicated in Form TECH-5.
- 4 Indicate separately staff-month rate and currency for home and field work.

FORM FIN-5. BREAKDOWN OF REIMBURSABLE EXPENSES¹

(This Form FIN-5 shall only be used when it is indicated in Reference Paragraph 5.6 of the Data Sheet that remuneration shall be Time Based)

Group of Activities (Phase): _____								
Nº	Description ²	Unit	Unit Cost ³	Quantity	[Indicate Foreign Currency # 1] ⁴	[Indicate Foreign Currency # 2] ⁴	[Indicate Foreign Currency # 3] ⁴	[Indicate Local Currency] ⁴
	Per diem allowances	Day						
	International flights ⁵	Trip						
	Miscellaneous travel expenses	Trip						
	Communication costs between [insert place] and [insert place]							
	Drafting, reproduction of reports							
	Equipment, instruments, materials, supplies, etc.							
	Shipment of personal effects	Trip						
	Use of computers, software							
	Laboratory tests.							
	Subcontracts							
	Local transportation costs							
	Office rent, clerical assistance							
	Training of the PA's personnel ⁶							
Total Costs								

Section 4 – Financial Proposal – Standard Forms

- 1 For n FIN-5 should be filled for each of the Forms FIN-3 provided, if needed.
- 2 Delete items that are not applicable or add other items according to Paragraph Reference 3.6 of the Data Sheet.
- 3 Indicate unit cost and currency.
- 4 Indicate between brackets the name of the foreign currency. Use the same columns and currencies of Form FIN-2. Indicate the cost of each reimbursable item in the column of the relevant currency. Cost = Unit Cost x Quantity.
- 5 Indicate route of each flight, and if the trip is one- or two-ways.
- 6 Only if the training is a major component of the assignment, defined as such in the TOR.

FORM FIN-5. BREAKDOWN OF REIMBURSABLE EXPENSES

(This Form FIN-5 shall only be used when it is indicated in Reference Paragraph 5.6 of the Data Sheet that remuneration shall be Lump Sum. Information to be provided in this Form shall only be used to establish payments to the Consultant for possible additional services requested by the PA)

N°	Description ¹	Unit	Unit Cost ²
	Per diem allowances	Day	
	International flights ³	Trip	
	Miscellaneous travel expenses	Trip	
	Communication costs between [Insert place] and [Insert place]		
	Drafting, reproduction of reports		
	Equipment, instruments, materials, supplies, etc.		
	Shipment of personal effects	Trip	
	Use of computers, software		
	Laboratory tests		
	Subcontracts		
	Local transportation costs		
	Office rent, clerical assistance		
	Training of the PA's personnel ⁴		

- 1 Delete items that are not applicable or add other items according to Paragraph Reference 3.6 of the Data Sheet.
- 2 Indicate unit cost and currency.
- 3 Indicate route of each flight, and if the trip is one- or two-ways.
- 4 Only if the training is a major component of the assignment, defined as such in the TOR.

APPENDIX. FINANCIAL NEGOTIATIONS - BREAKDOWN OF REMUNERATION RATES

(Not to be used when cost is a factor in the evaluation of Proposals)

1. Review of Remuneration Rates

1.1 The remuneration rates for staff are made up of salary, social costs, overheads, fee that is profit, and any premium or allowance paid for assignments away from headquarters. To assist the firm in preparing financial negotiations, a Sample Form giving a breakdown of rates is attached (no financial information should be included in the Technical Proposal). Agreed breakdown sheets shall form part of the negotiated contract.

1.2 The PA is charged with the custody of funds from Government of Sindh and is expected to exercise prudence in the expenditure of these funds. The PA is, therefore, concerned with the reasonableness of the firm's Financial Proposal, and, during negotiations, it expects to be able to review audited financial statements backing up the firm's remuneration rates, certified by an independent auditor. The firm shall be prepared to disclose such audited financial statements for the last three years, to substantiate its rates, and accept that its proposed rates and other financial matters are subject to scrutiny. Rate details are discussed below.

(i) Salary

This is the gross regular cash salary paid to the individual in the firm's home office. It shall not contain any premium for work away from headquarters or bonus.

(ii) Social Costs

Social costs are the costs to the firm of staff's non-monetary benefits. These items include, *inter alia*, social security including pension, medical and life insurance costs, and the cost of a staff member being sick or on vacation. In this regard, the cost of leave for public holidays is not an acceptable social cost nor is the cost of leave taken during an assignment if no additional staff replacement has been provided. Additional leave taken at the end of an assignment in accordance with the firm's leave policy is acceptable as a social cost.

(iii) Cost of Leave

The principles of calculating the cost of total days leave per annum as a percentage of basic salary shall normally be as follows:

$$\text{Leave cost as percentage of salary} = \frac{\text{total days leave} \times 100}{[365 - w - ph - v - s]}$$

It is important to note that leave can be considered a social cost only if the PA is not charged for the leave taken.

(iv) **Overheads**

Overhead expenses are the firm's business costs that are not directly related to the execution of the assignment and shall not be reimbursed as separate items under the contract. Typical items are home office costs (partner's time, nonbillable time, time of senior staff monitoring the project, rent, support staff, research, staff training, marketing, etc.), the cost of staff not currently employed on revenue-earning projects, taxes on business activities and business promotion costs. During negotiations, audited financial statements, certified as correct by an independent auditor and supporting the last three years' overheads, shall be available for discussion, together with detailed lists of items making up the overheads and the percentage by which each relates to basic salary. The PA does not accept an add-on margin for social charges, overhead expenses, etc., for staff who are not permanent employees of the firm. In such case, the firm shall be entitled only to administrative costs and fee on the monthly payments charged for subcontracted staff.

(v) **Fee or Profit**

The fee or profit shall be based on the sum of the salary, social costs, and overhead. If any bonuses paid on a regular basis are listed, a corresponding reduction in the profit element shall be expected. Fee or profit shall not be allowed on travel or other reimbursable expenses, unless in the latter case an unusually large amount of procurement of equipment is required. The firm shall note that payments shall be made against an agreed estimated payment schedule as described in the draft form of the contract.

(vi) **Away from Headquarters Allowance or Premium**

Some Consultants pay allowances to staff working away from headquarters. Such allowances are calculated as a percentage of salary and shall not draw overheads or profit.

(vii) **Subsistence Allowances**

Subsistence allowances are not included in the rates, but are paid separately and in local currency. No additional subsistence is payable for dependents—the subsistence rate shall be the same for married and single team members.

Standard rates for the particular country may be used as reference to determine subsistence allowances.

2. **Reimbursable expenses**

2.1 The financial negotiations shall further focus on such items as out-of-pocket expenses and other reimbursable expenses. These costs may include, but are not restricted to, cost of surveys, equipment, office rent, supplies, international and local travel, computer rental, mobilization and demobilization, insurance, and printing. These costs may be either unit rates or reimbursable on the presentation of invoices, in foreign or local currency.

3. PA Guarantee

3.1 Payments to the firm, including payment of any advance based on cash flow projections covered by a PA guarantee, shall be made according to an agreed estimated schedule ensuring the consultant regular payments in local and foreign currency, as long as the services proceed as planned.

Sample Form

Consulting Firm:
Assignment:

Country:
Date:

Consultant's Representations Regarding Costs and Charges

We hereby confirm that:

- (a) the basic salaries indicated in the attached table are taken from the firm's payroll records and reflect the current salaries of the staff members listed which have not been raised other than within the normal annual salary increase policy as applied to all the firm's staff;
- (b) attached are true copies of the latest salary slips of the staff members listed;
- (c) the away from headquarters allowances indicated below are those that the Consultants have agreed to pay for this assignment to the staff members listed;
- (d) the factors listed in the attached table for social charges and overhead are based on the firm's average cost experiences for the latest three years as represented by the firm's financial statements; and
- (e) said factors for overhead and social charges do not include any bonuses or other means of profit-sharing.

[Name of Consulting Firm]

Signature of Authorized Representative

Date

Name: _____

Title: _____

II. General Conditions of Contract

I. GENERAL PROVISIONS

1.1 Definitions

Unless the context otherwise requires, the following terms whenever used in this Contract have the following meanings:

- (a) "Applicable Law" means the Sindh Public Procurement Act, thereunder Rules 2010.
- (b) "Procuring Agency PA" means the implementing department which signs the contract
- (c) "Consultant" means a professional who can study, design, organize, evaluate and manage projects or assess, evaluate and provide specialist advice or give technical assistance for making or drafting policies, institutional reforms and includes private entities, consulting firms, legal advisors, engineering firms, construction managers, management firms, procurement agents, inspection agents, auditors, international and multinational organizations, investment and merchant banks, universities, research institutions, government agencies, nongovernmental organizations, and individuals.
- (d) "Contract" means the Contract signed by the Parties and all the attached documents listed in its Clause 1, that is General Conditions (GC), the Special Conditions (SC), and the Appendices.
- (e) "Contract Price" means the price to be paid for the performance of the Services, in accordance with Clause 6;
- (f) "Effective Date" means the date on which this Contract comes into force and effect pursuant to Clause GC 2.1.
- (g) "Foreign Currency" means any currency other than the currency of the PA's country.
- (h) "GC" means these General Conditions of Contract.
- (i) "Government" means the Government of Sindh.
- (j) "Local Currency" means Pak Rupees.
- (k) "Member" means any of the entities that make up the joint venture/consortium/association, and "Members" means all these entities.
- (l) "Party" means the PA or the Consultant, as the case may be, and "Parties" means both of them.

- (m) "Personnel" means persons hired by the Consultant or by any Sub-Consultants and assigned to the performance of the Services or any part thereof.
- (n) "SC" means the Special Conditions of Contract by which the GC may be amended or supplemented.
- (o) "Services" means the consulting services to be performed by the Consultant pursuant to this Contract, as described in the Terms of References.
- (p) "Sub-Consultants" means any person or entity to whom/which the Consultant subcontracts any part of the Services.
- (q) "In writing" means communicated in written form with proof of receipt.

1.2 Law Governing Contract This Contract, its meaning and interpretation, and the relation between the Parties shall be governed by the applicable law.

1.3 Language This Contract is executed in the language specified in the SC, which shall be the binding and controlling language for all matters relating to the meaning or interpretation of this Contract.

1.4 Notices

1.4.1 Any notice, request or consent required or permitted to be given or made pursuant to this Contract shall be in writing. Any such notice, request or consent shall be deemed to have been given or made when delivered in person to an authorized representative of the Party to whom the communication is addressed, or when sent to such Party at the address specified in the SC.

1.4.2 A Party may change its address for notice hereunder by giving the other Party notice in writing of such change to the address specified in the SC.

1.5 Location The Services shall be performed at such locations as are specified in special condition of contract and, where the location of a particular task is not so specified, at such locations, whether in the Government's country or elsewhere, as the PA may approve.

1.6 Authority of Member in Charge In case the Consultant consists of a joint venture/ consortium/ association of more than one individual firms, the Members hereby authorize the individual firms or specified in the SC to act on their behalf in exercising all the Consultant's rights and obligations towards the PA under this Contract, including without limitation the receiving of instructions and payments from the PA.

1.7 Authorized Representatives

Any action required or permitted to be taken, and any document required or permitted to be executed under this Contract by the PA or the *Consultant may be taken or executed by the officials specified in the SC.*

1.8 Taxes and Duties

The Consultant, Sub-Consultants, and their Personnel shall pay such direct or indirect taxes, duties, fees, and other impositions levied under the Applicable Law as specified in the SC, the amount of which is deemed to have been included in the Contract Price.

1.9 Fraud and Corruption

- A. If the PA determines that the Consultant and/or its Personnel, sub-contractors, sub-consultants, services providers and suppliers has engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices, in competing for or in executing the Contract, then the PA may, after giving 14 days notice to the Consultant, terminate the Consultant's employment under the Contract, and may resort to other remedies including blacklisting/disqualification as provided in SPPR 2010.

Any personnel of the Consultant who engages in corrupt, fraudulent, collusive, coercive, or obstructive practice during the execution of the Contract, shall be removed in accordance with Sub-Clause 4.2.

Integrity Pact

- B. If the Consultant or any of his Sub-consultants, agents or servants is found to have violated or involved in violation of the Integrity Pact signed by the Consultant as Appendix-G to this Form of Contract, then the Client shall be entitled to:
- (a) recover from the Consultant an amount equivalent to ten times the sum of any commission, gratification, bribe, finder's fee or kickback given by the Consultant or any of his Sub-consultant, agents or servants;
 - (b) terminate the Contract; and
 - (c) recover from the Consultant any loss or damage to the Client as a result of such termination or of any other corrupt business practices of the Consultant or any of his Sub-consultant, agents or servants.

On termination of the Contract under Sub-Para (b) of this Sub-Clause, the Consultant shall proceed in accordance with Sub-Clause 1.9 A. Payment upon such termination shall be made under Sub-Clause 1.9 A after having deducted the amounts due to the Client under 19 B Sub-Para (a) and (c).

2. COMMENCEMENT, COMPLETION, MODIFICATION AND TERMINATION OF CONTRACT

- 2.1 Effectiveness of Contract** This Contract shall come into effect on the date the Contract is signed by both Parties or such other later date as may be stated in the SC. The date the Contract comes into effect is defined as the Effective Date.
- 2.2 Commencement of Services** The Consultant shall begin carrying out the Services not later than the number of days after the Effective Date specified in the SC.
- 2.3 Expiration of Contract** Unless terminated earlier pursuant to Clause GC 2.6 hereof, this Contract shall expire at the end of such time period after the Effective Date as specified in the SC.
- 2.4 Modifications or Variations** Any modification or variation of the terms and conditions of this Contract, including any modification or variation of the scope of the Services, may only be made by written agreement between the Parties. However, each Party shall give due consideration to any proposals for modification or variation made by the other Party.
- 2.5 Force Majeure** The failure on the part of the parties to perform their obligation under the contract will not be considered a default if such failure is the result of natural calamities, disasters and circumstances beyond the control of the parties.
- 2.5.2 No Breach of Contract** The failure of a Party to fulfill any of its obligations under the contract shall not be considered to be a breach of, or default under, this Contract insofar as such inability arises from an event of Force Majeure, provided that the Party affected by such an event (a) has taken all reasonable precautions, due care and reasonable alternative measures in order to carry out the terms and conditions of this Contract, and (b) has informed the other Party as soon as possible about the occurrence of such an event.
- 2.5.3 Extension of Time** Any period within which a Party shall, pursuant to this Contract, complete any action or task, shall be extended for a period equal to the time during which such Party was unable to perform such action as a result of Force Majeure.
- 2.5.4 Payments** During the period of their inability to perform the Services as a result of an event of Force Majeure, the Consultant shall be entitled to continue to be paid under the terms of this Contract, as well as to be reimbursed for additional costs reasonably and necessarily incurred by them during such period for the purposes of the Services and in reactivating the Service after the end of such period.
- 2.6 Termination**

2.6.1 By the PA

The PA may terminate this Contract in case of the occurrence of any of the events specified in paragraphs (a) through (f) of this Clause GC 2.6.1. In such an occurrence the PA shall give a not less than thirty (30) days' written notice of termination to the Consultant, and sixty (60) days' in the case of the event referred to in (e).

- (a) If the Consultant does not remedy the failure in the performance of their obligations under the Contract, within thirty (30) days after being notified or within any further period as the PA may have subsequently approved in writing.
- (b) If the Consultant becomes insolvent or bankrupt.
- (c) If the Consultant, in the judgment of the PA has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.
- (d) If, as the result of Force Majeure, the Consultant(s) are unable to perform a material portion of the Services for a period of not less than sixty (60) days.
- (e) If the PA, in its sole discretion and for any reason whatsoever, decides to terminate this Contract.
- (f) If the Consultant fails to comply with any final decision reached as a result of arbitration proceedings pursuant to Clause GC 8 hereof.

2.6.2 By the Consultant

The Consultants may terminate this Contract, by not less than thirty (30) days' written notice to the PA, such notice to be given after the occurrence of any of the events specified in paragraphs (a) through (c) of this Clause GC 2.6.2:

- (a) If the PA fails to pay any money due to the Consultant pursuant to this Contract without consultants fault.
- (b) Pursuant to Clause GC 7 hereof within forty-five (45) days after receiving written notice from the Consultant that such payment is overdue.
- (c) If, as the result of Force Majeure, the Consultant is unable to perform a material portion of the Services for a period of not less than sixty (60) days.
- (d) If the PA fails to comply with any final decision reached as a result of arbitration pursuant to Clause GC 8 hereof.

2.6.3 Upon Termination

Upon termination of this Contract pursuant to Clauses GC 2.6.1 or GC 2.6.2, the PA shall make the following payments to the Consultant:

identify relevant time changes and costs.

3.8.2 The Consultant shall permit, and shall cause its Sub-consultants to permit, the PA and/or persons appointed by the PA to inspect its accounts and records relating to the performance of the Contract and the submission of the Proposal to provide the Services, and to have such accounts and records audited by auditors appointed by the PA if requested by the PA. The Consultant's attention is drawn to Clause 1.9.1 which provides, inter alia, that acts intended to materially impede the exercise of the PA's inspection and audit rights provided for under Clause 3.8 constitute a prohibited practice subject to contract termination (as well as to a determination of ineligibility pursuant to the PA's prevailing sanctions procedures.).

4. CONSULTANT'S PERSONNEL

- 4.1 Description of Personnel** The Consultant shall employ and provide such qualified and experienced Personnel and Sub-Consultants as are required to carry out the Services. The titles, agreed job descriptions, minimum qualifications, and estimated periods of engagement in the carrying out of the Services of the Consultant's Key Personnel are described in Appendix C. The Key Personnel and Sub-Consultants listed by title as well as by name in Appendix C are hereby approved by the PA.
- 4.2 Removal and/or Replacement of Personnel**
- (a) Except as the PA may otherwise agree, no changes shall be made in the Key Personnel. If, for any reason beyond the reasonable control of the Consultant, such as retirement, death, medical incapacity, among others, it becomes necessary to replace any of the Key Personnel, the Consultant shall provide as a replacement a person of equivalent or better qualifications.
 - (b) If the PA finds that any of the Personnel have (i) committed serious misconduct or have been charged with having committed a criminal action, or (ii) have reasonable cause to be dissatisfied with the performance of any of the Personnel, then the Consultant shall, at the PA's written request specifying the grounds thereof, provide as a replacement a person with qualifications and experience acceptable to the PA.
 - (c) The Consultant shall have no claim for additional costs arising out of or incidental to any removal and/or replacement of Personnel.

5. OBLIGATIONS OF THE PA

- 5.1 **Assistance and Exemptions** The PA shall use its best efforts to ensure that the Government shall provide the Consultant such assistance and exemptions as specified in the SC.
- 5.2 **Change in the Applicable Law Related to Taxes and Duties** If, after the date of this Contract, there is any change in the Applicable Law with respect to taxes and duties which increases or decreases the cost incurred by the Consultant in performing the Services, then the remuneration and reimbursable expenses otherwise payable to the Consultant under this Contract shall be increased or decreased accordingly by agreement between the Parties, and corresponding adjustments shall be made to the amounts referred to in Clauses GC 6.2 (a) or (b), as the case may be.
- 5.3 **Services and Facilities** The PA shall make available free of charge to the Consultant the Services and Facilities listed under Appendix F.

6. PAYMENTS TO THE CONSULTANT

- 6.1 **Security** The consultant has to submit bid security and the performance security at the rate mention in SC.
- 6.2 **Lump-Sum Payment** The total payment due to the Consultant shall not exceed the Contract Price which is an all inclusive fixed lump-sum covering all costs required to carry out the Services described in Appendix A. Except as provided in Clause 5.2, the Contract Price may only be increased above the amounts stated in Clause 6.2 if the Parties have agreed to additional payments in accordance with Clause 2.4.
- 6.3 **Contract Price** The price payable in Pak Rupees/foreign currency/ is set forth in the SC.
- 6.4 **Payment for Additional Services** For the purpose of determining the remuneration due for additional services as may be agreed under Clause 2.4, a breakdown of the lump-sum price is provided in Appendices D and E.
- 6.5 **Terms and Conditions of Payment** Payments will be made to the account of the Consultant and according to the payment schedule stated in the SC. Unless otherwise stated in the SC, the first payment shall be made against the provision by the Consultant of an advance payment guarantee for the same amount, and shall be valid for the period stated in the SC. Such guarantee shall be in the form set forth in Appendix G hereto, or in such other form, as the PA shall have approved in writing. Any other payment shall be made after the conditions listed in the SC for such payment have been met, and the Consultant has submitted an invoice to the PA specifying the

amount due.

7. GOOD FAITH

- 7.1 Good Faith** The Parties undertake to act in good faith with respect to each other's rights under this Contract and to adopt all reasonable measures to ensure the realization of the objectives of this Contract.

8. SETTLEMENT OF DISPUTES

- 8.1 Amicable Settlement** The Parties agree that the avoidance or early resolution of disputes is crucial for a smooth execution of the Contract and the success of the assignment. The Parties shall use their best efforts to settle amicably all disputes arising out of or in connection with this Contract or its interpretation.
- 8.2 Dispute Resolution** Any dispute between the Parties as to matters arising pursuant to this Contract that cannot be settled amicably within thirty (30) days after receipt by one Party of the other Party's request for such amicable settlement may be submitted by either Party for settlement in accordance with the provisions specified in the SC.

III. Special Conditions of Contract

Number of
GC Clause

Amendments of, and Supplements to, Clauses in the
General Conditions of Contract

{1.1} **Definition**
Sindh Public Procurement Act and Sindh Public Procurement Rules 2010.

1.3 **Definition**
The language is English.

1.4 The addresses are:

Procuring Agency: Director Nara Canal Area Water Board,
Near Gama Stadium, mirpurkhas

Attention: Executive Engineer, Jamrao Division, Mirpurkhas

Facsimile: +92233-9290130

E-mail: directornaracanalawb@yahoo.com

Consultant: _____

Attention: _____

Facsimile: _____

E-mail: _____

Special Condition of Contract

{1.6} {The Member in Charge is [insert name of member]}

Note: If the Consultant consists of a joint venture/ consortium/ association of more than one entity, the name of the entity whose address is specified in Clause SC 1.6 should be inserted here. If the Consultant consists only of one entity, this Clause SC 1.8 should be deleted from the SC.

1.7 The Authorized Representatives are:
For the PA: Executive Engineer
Jamrao Division, Irrigation
Mirpurkhas
Tel# +922333290157
Fax# +922339290152

For the Consultant: _____

1.8 *PA shall specify all relevant taxes including stamp duty and service charges to be borne by the consultant. In case there is exemption from any rates, taxes, the same shall be mentioned here.*

2.1 This contract shall come into effect on the date the contract is signed by both.

2.2 The consultants shall commence the services within seven days of the respect of the mobilization advance.

2.3 **Expiration of contract**
The contract shall expire at the end of 12 Twelve months from the commencement date of services.

2.4-1 **Schedule of Services**
Schedule of services shall be as provided in the activity scheduled as appended with appendix-A.

2.5-3 **Extension of Time**
The consultants shall inform the client within 14 days about the circumstance and probable effects.

2.6-1 **Termination**
The procuring Agency may terminate contract if the consultant does not remedy the failure in performance of their obligation under the contract within 15 days after being notified.

3.4 **Insurance to be Taken out by the Consultants**
In addition to GCC clause 3.4 the consultants shall take out & maintain various insurances at their own cost.

Special Condition of Contract

- 3.5 **Consultants Actions Requiring PA's Prior Approval**
The consultants shall also obtain clients approval in writing before taking *any one of the following actions:*
- (a) Entering into Sub Contract for the performance of any part of the services.
 - (b) Appointing such members of the personnel not listed by name in appendix -C.
 - (c) Suspension of works.
 - (d) Any Action under terms of performance guarantee or insurance policy.
- 3.6 **Reporting Obligations**
- (a) The consultants shall submit the reports and documents in the (02)number within the time period set forth.
 - (b) Soft and hardcopies of final reports shall be delivered to client.
- 3.7 **Documents Prepared by the Consultants to be the Property of the Client**
All Plans, drawings specifications, design, reports documents submitted by the consultants will be property of client.
- 3.8 **Accounting, Inspection and Auditing**
At the end of GCC clause 3.8 text the following is added.
The consultants shall refund any amount provision to have been paid in excesses of the contractual payments due to the consultants by the client.
- 5.1 **Assistants**
The client shall use its best efforts in obtaining within Two weeks all related data (available with the provinces / other consultants who have been associated with the client in the past) and all existing data and documentation, available reports (published and un published), maps, study reports and drawings direct or indirectly relating to the project through its own office, all the four provinces and other consultants.
- This list if warranted shall be supplemented subsequently.
- 5.2-2 **Other Assistants and Exemptions to be provided by the client are.**
Any approvals required for performance of the services and use of all provincial government rest houses by the consultants and the personnel at the rates applicable to their own employees.
- 6.1 **Security**
The consultant has to submit bid security at the rate of 1% and performance security at the rate of 5%.

Special Condition of Contract

6.2 Lump Sum Payment

The total payment due to the consultants shall not exceed the contract price which is an all inclusive fixed Lump Sum covering all costs required to carry out the services describes in Appendix-A. Except as provided in clause 5.2, the contract price may only be increased above the amounts stated in clause 6.2 if the parties have agreed to additional payments in accordance with clause 2.4.

6.3 Contract Price

The amount in local currency is Pakistani Rupees 39.22 Millions.
The breakup the above contract price is given as under:

S.No	Description	Total
1	Salary Cost (Technical Personnel)	
2	Salary Cost (Non -Technical Personnel)	
3	Direct Cost (Khadro Sub Office)	
4	Direct Cost KGM Sub Office	
5	Equipment Procurement	
	Grand Total	

6.5 Terms and Conditions of Payment

The payment of consultant will be made on the basis of PEC Regulation of consultancy service by providing the detail of work and expenditure incurred after certification to the extent of services performance with reference to estimated quantum of work. The payment will be made on actual work done monthly basis subject to the availability of funds.

8.2 Disputes shall be settled by complaint redressal committee define in SPPR 2010 or through arbitration Act of 1940

Appendix A

(INTEGRITY PACT)

DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC.
PAYABLE BY THE SUPPLIERS OF GOODS, SERVICES & WORKS IN
CONTRACTS WORTH RS. 10.00 MILLION OR MORE

Contract No. _____ Dated _____
Contract Value: _____
Contract Title: _____

..... [name of Supplier] hereby declares that it has not obtained or induced the procurement of any contract, right, interest, privilege or other obligation or benefit from Government of Sindh (GoS) or any administrative subdivision or agency thereof or any other entity owned or controlled by GoS through any corrupt business practice.

Without limiting the generality of the foregoing, [name of Supplier] represents and warrants that it has fully declared the brokerage, commission, fees etc. paid or payable to anyone and not given or agreed to give and shall not give or agree to give to anyone within or outside Pakistan either directly or indirectly through any natural or juridical person, including its affiliate, agent, associate, broker, consultant, director, promoter, shareholder, sponsor or subsidiary, any commission, gratification, bribe, finder's fee or kickback, whether described as consultation fee or otherwise, with the object of obtaining or inducing the procurement of a contract, right, interest, privilege or other obligation or benefit in whatsoever form from GoS, except that which has been expressly declared pursuant hereto.

[name of Supplier] certifies that it has made and will make full disclosure of all agreements and arrangements with all persons in respect of or related to the transaction with GoS and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.

[name of Supplier] accepts full responsibility and strict liability for making any false declaration, not making full disclosure, misrepresenting facts or taking any action likely to defeat the purpose of this declaration, representation and warranty. It agrees that any contract, right, interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without prejudice to any other rights and remedies available to GoS under any law, contract or other instrument, be voidable at the option of GoS.

Notwithstanding any rights and remedies exercised by GoS in this regard, [name of Supplier] agrees to indemnify GoS for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to GoS in an amount equivalent to ten times the sum of any commission, gratification, bribe, finder's fee or kickback given by [name of Supplier] as aforesaid for the purpose of obtaining or inducing the procurement of any contract, right, interest, privilege or other obligation or benefit in whatsoever form from GoS.

Name of Buyer:
Signature:
[Seal]

Name of Seller/Supplier:
Signature:
[Seal]

CONTRACT

THIS CONTRACT ("Contract") is entered into this *[insert starting date of assignment]*, by and between *[insert PA's name]* ("the PA") having its principal place of business at *[insert PA's address]*, and *[insert Consultant's name]* ("the Consultant") having its principal office located at *[insert Consultant's address]*.

WHEREAS, the PA wishes to have the Consultant performing the services hereinafter referred to, and

WHEREAS, the Consultant is willing to perform these services,

NOW THEREFORE THE PARTIES hereby agree as follows:

1. **Services**
 - (i) The Consultant shall perform the services specified in Annex A, "Terms of Reference and Scope of Services," which is made an integral part of this Contract ("the Services").
 - (ii) The Consultant shall provide the reports listed in Annex B, "Consultant's Reporting Obligations," within the time periods listed in such Annex, and the personnel listed in Annex C, "Cost Estimate of Services, List of Personnel and Schedule of Rates" to perform the Services.
2. **Term**

The Consultant shall perform the Services during the period commencing *[insert start date]* and continuing through *[insert completion date]* or any other period as may be subsequently agreed by the parties in writing.
3. **Payment**
 - A. **Ceiling**

For Services rendered pursuant to Annex A, the PA shall pay the Consultant an amount not to exceed *[insert amount]*. This amount has been established based on the understanding that it includes all of the Consultant's costs and profits as well as any tax obligation that may be imposed on the Consultant.
 - C. **Payment Conditions**

Payment shall be made in *[specify currency]*, no later than 30 days following submission by the Consultant of invoices in duplicate to the Coordinator designated in paragraph 4.
4. **Economic Price Adjustment**

In order to adjust the remuneration for inflation, a price adjustment provision has been included if the contract has duration of more than 18 months or if the inflation is expected to exceed ---% per annum. The adjustment will be made every 12 months after the date of the contract for remuneration. Remuneration will be adjusted by using the relevant index as per following provision:
"Payments for remuneration made in accordance with Clause 3 shall be adjusted as follows:

Contract

Remuneration pursuant to the rates set forth in Annex C shall be adjusted every 12 months (and, for the first time, with effect for the remuneration earned in the *13*th calendar month after the date of the Contract) by applying the following formula:

$$R_t = R_{t_0} \times \frac{I_t}{I_{t_0}}$$

where R_t is the adjusted remuneration, R_{t_0} is the remuneration payable on the basis of the rates set forth in Annex C for payable remuneration, I_t is the official rate of inflation for the first month for which the adjustment is to have effect and, I_{t_0} is the official rate of inflation for the month of the date of the Contract.”]

5. **Project Administration**
- A. Coordinator
- The PA designates Mr./Ms. [insert name] as PA's Coordinator; the Coordinator shall be responsible for the coordination of activities under the Contract, for receiving and approving invoices for payment, and for acceptance of the deliverables by the PA.
- B. Timesheets
- During the course of their work under this Contract the Consultant's employees providing services under this Contract may be required to complete timesheets or any other document used to identify time spent, as instructed by the Coordinator.
- C. Records and Accounts
- The Consultant shall keep accurate and systematic records and accounts in respect of the Services, which will clearly identify all charges and expenses. The PA reserves the right to audit, or to nominate a reputable accounting firm to audit, the Consultant's records relating to amounts claimed under this Contract during its term and any extension, and for a period of three months thereafter.
6. **Performance Standard**
- The Consultant undertakes to perform the Services with the highest standards of professional and ethical competence and integrity. The Consultant shall promptly replace any employees assigned under this Contract that the PA considers unsatisfactory.
7. **Confidentiality**
- The Consultants shall not, during the term of this Contract and within two years after its expiration, disclose any proprietary or confidential information relating to the Services, this Contract or the PA's business or operations without the prior written consent of the PA.
8. **Ownership of Material**
- Any studies, reports or other material, graphic, software or otherwise, prepared by the Consultant for the PA under the Contract shall belong to and remain the property of the PA. The Consultant may retain a copy of such documents and software.
9. **Consultant Not to be Engaged in Certain Activities**
- The Consultant agrees that, during the term of this Contract and after its termination, the Consultants and any entity affiliated with the Consultant, shall be disqualified from providing goods, works or services (other than the Services or any continuation thereof) for any project resulting from or closely related to the Services.

Contract

- 10. Insurance** The Consultant will be responsible for taking out any appropriate insurance coverage for their personnel and equipments.
- 11. Assignment** The Consultant shall not assign this Contract or Subcontract any portion thereof it without the PA's prior written consent.
- 12. Law Governing Contract and Language** The Contract shall be governed by the laws of Islamic Republic of Pakistan or the Provincial Government and the language of the Contract shall be English.
- 13. Dispute Resolution** Any dispute arising out of this Contract, which cannot be amicably settled between the parties, shall be referred to adjudication/arbitration in accordance with the Arbitration Act of 1940

FOR THE PA

FOR THE CONSULTANT

Signed by _____

Signed by _____

Title: _____

Title: _____

FINANCIAL BUDGET

Appendix E

Breakdown of Contract Price in Local Currency

FORM FIN-2
Page 1 of 1

SUMMARY OF COSTS

PROCUREMENT OF CONSULTANCY SERVICES FOR FEASIBILITY STUDY FOR BRICK LINING OF TWIN AND OLD JAMRAO CANAL

Item	Costs
	Amount (Rs.)
Total Cost of Financial Proposal	

SUMMARY OF COST BY ACTIVITY

FORM FIN-3

Page 1 of 1

PROCUREMENT OF CONSULTANCY SERVICES FOR FEASIBILITY STUDY FOR BRICK LINING OF TWIN AND OLD JAMRAO CANAL

S.No	Description	Amount (Rs.)
1	Salary Cost (Technical Personal)	
2	Direct Cost Non-Technical Personal	
3	Direct Cost (2) Khadro Sub Office	
4	Direct Cost (2) KGM Sub Office	
5	Equipment procurement	
Total:-		
Amount of Bid offered in Million Rs:-		

TECHNICAL PERSONNEL REMUNERATION COST

FORM FIN-1

TABLE-1

Page 1 of 2

PROCUREMENT OF CONSULTANCY SERVICES FOR FEASIBILITY STUDY FOR BRICK LINING OF TWIN AND OLD JAMRAO CANAL

S.No	Description	Minimum Qualification required for recruitment	Nos.	Periods Months	Man / Month	Monthly Bill Rate	Total Amount
1	Team Leader	M.E in Civil Engineering	1	12	12		
2	Hydraulic Structure Design Engineer	M.E in Civil Engineering	1	12	12		
3	Pre-Cost Bridge Design Engineer	M.E in Civil Engineering	1	12	12		
4	Procurement Specialist	M.B.A	1	12	12		
5	Irrigation Engineer	M.E in Hydraulic	1	12	12		
6	Geo Technical Engineer	M.E in soil Mechanics	1	12	12		
7	CAD Specialist	B.E in Civil Engineering (Expert in preparing CAD Drawing)	1	12	12		
8	GIS and RS Specialist	M.E in Civil Engineering	1	12	12		
9	EIA Specialist	M.E in Environment Engineering	1	12	12		
10	Agronomist	M.E in Agriculture	1	12	12		
11	Survey Engineer	B.E Civil Engineering (Expert in total station)	2	12	24		
12	Surveyor	Diploma (D.A.E)	6	12	72		
13	Quantity Surveyor	Diploma (D.A.E)	2	12	24		
Grand Total :-							

DIRECT COST-I (HEAD OFFICE) @ MIRPURKHAS
SUPPORTING STAFF REMUNERATION COST

FORM FIN-4

TABLE-2

**PROCUREMENT OF CONSULTANCY SERVICES FOR
FEASIBILITY STUDY FOR BRICK LINING OF TWIN AND
OLD JAMRAO CANAL**

1	Accountant / Office Manager	1	12	12		
2	Computer Operator	3	12	36		
3	Draftsman	1	12	12		
4	Office Clerk	3	12	36		
5	Office Boy	2	12	24		
6	Driver	1	12	12		
Grand Total						

DIRECT COST-2 OF SUB OFFICE @ KHADRO

TABLE-3

**PROCUREMENT OF CONSULTANCY SERVICES FOR
FEASIBILITY STUDY FOR BRICK LINING OF TWIN AND
OLD JAMRAO CANAL**

S.#	Description	Nos.	Periods Months	Man / Month	Monthly Bill Rate	Total Amount
1	Computer Operator	1	9	9		
2	Draftsman	1	9	9		
3	Office Clerk	1	9	9		
4	Office Boy	2	9	18		
5	Driver	1	9	9		
Grand Total						

**DIRECT COST-2 OF SUB OFFICE @ KOT GHULAM
MOHAMMAD**

TABLE-4

**PROCUREMENT OF CONSULTANCY SERVICES FOR
FEASIBILITY STUDY FOR BRICK LINING OF TWIN AND
OLD JAMRAO CANAL**

S.#	Description	Nos.	Periods Months	Man / Month	Monthly Bill Rate	Total Amount
2	Computer Operator	1	9	9		
3	Draftsman	1	9	9		
4	Office Clerk	1	9	9		
5	Office Boy	2	9	18		
6	Driver	1	9	9		
Grand Total						

NON DIRECT COST (PROCUREMENT)

**PROCUREMENT OF CONSULTANCY SERVICES FOR
FEASIBILITY STUDY FOR BRICK LINING OF TWIN AND
OLD JAMRAO CANAL**

S.#	Description	No	Quantity	Rate	Amount
1	Main Office Rent (Mirpurkhas)	1	12		
2	Camp Office Rent Khadro	1	9		
3	Camp Office Rent Kot Ghulam Mohammad	1	9		
4	Utility Bills	1	30		
5	RA / DA	1	1		
6	Vehicle Rent (Four Door)	1	12		
7	Vehicle Rent (Jeep)	2	9		
8	P O.L (Four Door)	1	12		
9	P O.L (Jeep)	2	9		
10	Printing of PC-I (60 Copies)	60	1		
Total Rs :-					
<u>PROCUREMENT</u>					
1	Total Station	1	3		
2	Waki Taki	1	6		
3	Computer Desk Top (P-V)	1	6		
4	Lap Top	1	3		
5	Fax Machine	1	3		
6	Satellite images	1	1		
7	Preparation of Drawings	1	1		
8	DGPS	1	1		
9	Printer	1	3		
10	Plotter Large size	1	1		
11	Monument cost for perment Bench mark	1	1425		
12	Software (GIS Auto Cad)	1	1		
Total Rs :-					
Grand Total Rs :-					

Feasibility Study for Brick lining of Twin & Old Jamrao Canal

TERMS OF REFERENCE (T.O.R)

INTRODUCTIONS

The Jamrao Canal Twin is initially designed for 3100 cusecs and Jamrao Canal Old is designed for 2600 cusecs (Total 5700 cusecs). But the actual demand for Jamrao Canal Twin is 6000 cusecs and Old Jamrao Canal is 3000 cusecs. The Canal is perennial channel and off takes from RD-574.8 Nara Canal. The total length of Twin Jamrao Canal is 620 RDs and length of Jamrao Canal Old is 245 RDs. The culture able command area of Jamrao Canal and Old is 9,60,816 acres with intensity in Kharif 28% and Rabi 53% respectively and water allowance 2.84 cusecs per 1000 acres.

OBJECTIVE

With the passage of time, the system have been silted up and unable to draw the demanded supply. It is further added that about 20% of the Canal supply used for non-Irrigation purpose such as drinking and industrial requirements for suburb cities, Khadro, Jhol, Mirpurkhas, Kot Ghulam Mohammad and Digri.

Thus over and above 40% shortfall against actual demand and additional domestic supplies in the command area of Jamrao Canal perennial channel, the Abadgars of Mirpurkhas District demanded for assured supply of water for their lands. During the visit Honourable President of Islamic Republic of Pakistan at Karachi on 20 & 21 November 2008 issued directives for lining of Old and Twin Jamrao Canal to redress the grievances of Abadgars.

In order to resolve the above problem, the Irrigation Department requires the Services of the Consultants from Engineering Field.

The feasibility of project is to be studied by site investigation and surveys to enable Engineers to arrive at better position for Brick Lining or alternant of Jamrao Canal Twin & Old and to ascertain the present agricultural production in the command area before and after the project. The site investigation, designs, PC-I & reports will provide the required results. The local consultants will only be selected, who have such experience and fully aware of area of the problem of site. The consultant shall estimate the overall incremental agricultural production benefits resulting from the proposed project and evaluation of potential environmental impacts and recommendation conclusions.

KINDS OF ACTIVITY

1. To survey and carry out feasibility study of site in order to examine and viability of Brick Lining / Alternate of Jamrao Canal Twin & Old.
2. The feasibility report prepared under the study shall be in such depth, comprehensive and in detail to meet with the international standard.
3. The PC-I shall be prepared and submitted after the final report examined by SIDA & Irrigation Department.
4. To survey affected Roads and Villages and lands under scheme.
5. The survey structures required for project
6. Design and prepare Cross Section, L-Section of Both Jamrao Canals.
7. Conduct satellite survey in support of ground field survey with total station, DGPS and other related equipment, constructing permanent bench mark monument and prepared various GIS layers for ground feature mapping of GIS dedicated software.
8. Hydrological study of Jamrao system including Old & Jamrao Canals along with associated channels (Branches, Distributaries & Minors), supported by velocity and discharge profile.
9. Soil investigation survey & sub-soil infiltration analysis.
10. Development of GIS Digital mapping with details Contours, Geo-referencing of Existing & Survey data any other.
11. Development of Hydrological 2D & 3D modeling supported by bathymetry analysis.
12. Analysis crop pattern, intensity demand of irrigation water supply, variation pattern related to crop production by adopting GIS & Remote sensing techniques.
13. Conduct details survey regarding IES (Initial Environmental Scoping), EIA (Environment Impact Assessment) and narrate, if mitigation desired.
14. Conduct detail economics and sensitivity analysis.
15. Develop design criteria for lining, water courses, road bridges, hydraulic structures and water flow profile.
16. The detailed investigation consists of survey and study for finding the tolerable accurate cost of lining of Jamrao Canal Twin & Old.
17. It is necessary to be careful while choosing an alternative in order to avoid any adverse effects. The consultants will be fully responsible for sorting out the proper proposal in the interest of Government as well as public, Also review the designs of Existing similar nature canal in Sindh province.
18. Capacity building of the technical staff by providing short training courses in the latest Engineering Gadgets to be procured for surveying and other activities.

19. The consultant shall submit inception report and monthly progress report to Managing Director, SIDA / Secretary Irrigation Department for review / examination.
20. Before the submission of final report, the Consultant shall submit the draft final report to Managing Director SIDA within 1 month of before completion of services. The reports shall comprise the requisite feasibility topographic surveys, hydraulic studies agriculture studies, drainage studies, financial analysis the design. Cost estimates and preparation of PC-I as per Planning Commissions guidelines on revised Proforma for Brick Lining of Jamrao Canal Twin & Old with detailed Estimates and requisite drawings survey cross-Section etc.
21. The committee under the Chairmanship of Secretary Irrigation Department would be framed by the competent authority which would review / examine and scrutiny of report submitted by the Consultant. The committee will submit recommendation / view point during survey and feasibility report.
22. Determine the overall design criteria of canal structures, hydraulic passages, crossing etc.
23. Work out the detailed cost estimate and time period for the construction of the project
24. Determine environmental impacts (beneficial and adverse) of the projects.
25. The PC-I of the project shall be prepared based on the feasibility study and furnish sufficient copies of PC-I for getting approval from PDWP and ECNEC.
26. The consultants shall maintain the paid vouchers / bills etc, and expenditure statement of accounts incurred during the survey in accordance with Government procedure.
27. The consultant will hand over all the procured items mentioned in the list to the Executive Engineer, Jamrao Division in good & in workable condition.

MODE OF PAYMENT

The payment of consultant will be made on the basis of PEC Regulation of consultancy service by providing the detail of work and expenditure incurred after certification to the extent of services performance with reference to estimated quantum of work. The payment will be made on actual work done monthly basis.

Table
The detail of points for consultancy service

S. No.	Description	Points	Participating Firms
1	Experience		
1.1	Specialized Canal Irrigation system Design Experience.	10	
1.2	Experience in Sindh	5	
1.3	Similar Experience	25	
	Total	40	
2	Technical Staff		
2.1	Project Manager / Team Leader	10	
2.2	Hydraulic Engineer	7	
2.3	Structural Engineer	7	
2.4	Senior Engineer Soil Mechanics	7	
2.5	Senior Engineer surveying	7	
2.6	Environmental Expert	3	
2.7	Sociologist	3	
2.8	Agronomist	3	
2.9	Economist	3	
	Total	50	
3	Resources		
3.1	Office at Karachi / Hyderabad	5	
3.2	Computers, Software, Printers, Level instruments Thoidolites and other Equipments required for the Project.	5	
	Total	10	
	G.Total	100	

Evaluation Criteria

Firms will be selected under Quality & Cost Based Selection (QCBS) procedures in accordance with SPPRA rules 2010. The weight age of the technical & financial proposal has been adopted as 90% & 10% respectively