

OIL & GAS DEVELOPMENT COMPANY LIMITED



TENDER ENQUIRY NO. PROC-SERVICES/CB/C&ESS-4963/2021

HIRING OF CONSULTANCY SERVICES FOR RIVER SURVEY, HYDROLOGICAL AND HYDRAULIC STUDIES (INCLUDING PHYSICAL MODEL STUDY), GEO-TECHNICAL INVESTIGATIONS, ENVIRONMENTAL STUDIES AND DETAILED DESIGN FOR PROTECTION AGAINST EROSION ALONG OGDCL BUND AT QADIRPUR GAS FIELD AREA, DISTRICT GHOTKI, SINDH

OIL & GAS DEVELOPMENT COMPANY LTD



TERMS OF REFERENCE (TOR) FOR HIRING OF CONSULTANCY SERVICES
FOR
RIVER SURVEY, HYDROLOGICAL AND HYDRAULIC STUDIES
(INCLUDING PHYSICAL MODEL STUDY), GEO-TECHNICAL INVESTIGATIONS,
ENVIRONMENTAL STUDIES AND DETAILED DESIGN FOR PROTECTION
AGAINST EROSION ALONG OGDCL BUND AT QADIRPUR GAS FIELD AREA,
DISTRICT GHOTKI, SINDH


MALIK AHMAD GHAFFAR
Dy Chief Engineer (Civil)
Ext: 5085

DESIGN GUARANTEE.

1. 1. This is to confirm that We M/S _____ undertake and certify that the Hiring of Consultancy Services for Detailed Studies and Design for protection against erosion along OGDCL Bund at Qadirpur Gas Field Area, District Ghotki, Sindh, shall be handled and executed with due care and diligence. All possible efforts shall be made to make each and every element of the project sound and stable both from Technical & Financial aspects.

2. We further undertake that We M/S _____ shall be responsible and liable for any fault occurred due to faulty technical design or professional negligence as per guidelines of Pakistan Engineering Council.

Sincerely Your's,

Dated:- _____

M/S _____


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TERMS OF REFERENCE



HIRING OF CONSULTANCY SERVICES FOR DETAILED STUDIES AND DESIGN FOR PROTECTION AGAINST EROSION ALONG OGDCL BUND AT QADIRPUR GAS FIELD AREA, DISTRICT GHOTKI, SINDH

Which includes

- I. River Surveys (Reach QGF Area of Indus River i.e. 15 Km upstream and 10 km downstream)
- II. Hydrological and Hydraulic Studies (including Physical Model Study).
- III. Geo-Technical Investigation Studies.
- IV. Environment Studies.
- V. Preparation of Detailed Design Report based on recommendations of Physical Model Study (PMS) conducted through Irrigation Research Institute (IRI), Govt. of Punjab, Bill of Quantities (BOQ), Cost Estimates and Tender Documents. The Consultant will present this study to Sindh Irrigation Department (SID) and Indus River Commission (IRC) for approval.

1.1. Oil & Gas Development Company Ltd (OGDCL) hereinafter referred to as "EMPLOYER" intends to acquire the services of Consultant for above mentioned works through open competitive bidding as per single stage two envelope procedure based on Quality Cum Cost Based Selection. The detailed information about the project is attached at Schedule-A.

1.2. It is envisaged that the Consultant shall undertake all aspects of designing but not limited to the following tasks:

- I. River Surveys (Reach QGF Area of Indus River i.e. 15 Km upstream and 10 km downstream)
- II. Hydrological and Hydraulic Studies (including Physical Model Study).
- III. Geo-Technical Investigation Studies.
- IV. Environment Studies.
- V. Preparation of Detailed Design Report based on recommendations of Physical Model Study (PMS) conducted through Irrigation Research Institute (IRI), Govt. of Punjab, Bill of Quantities (BOQ), Cost Estimates and Tender Documents. The Consultant will present this study to Sindh Irrigation Department (SID) and Indus River Commission (IRC) for approval.

1.3. The intent of this consultancy is to engage a Consultant who will apprehend


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Employer's requirements and conduct the aforesaid studies for carrying out detailed design for flood protection works for OGDCL bund and study the effect of OGDCL Bund and Extended Reach Platform on Shank bund (if any). Further consultant will prepare Cost Estimate & Tender Document for the proposed works comprising of Terms & Condition (Vol-I), Technical Specifications (Vol-II) and Construction Drawings (Vol-III) and shall be responsible for design of the Project within Terms/Conditions of the Contract.

1.4. It is mandatory for participating consultants to visit and examine the Site and its surroundings and to obtain for themselves on their own responsibility all information that may be necessary for preparing the proposal and entering into contract with the Employer.

1.5. The Consultant shall be deemed to have obtained all necessary information as to risks, contingencies and other circumstances which may influence or affect the proposal. To the same extent, the Consultant shall be deemed to have inspected and examined the Site, its surroundings, the relevant project data provided by the Employer and other available information, and to have been satisfied before submitting the proposal. All cost in this respect shall be at the consultant's own expense.

1.6. The Consultant is required to submit an implementation plan & narrative outlining the method of performing its obligations. The narrative should indicate in detail and include but not be limited to the staffing Organogram, staff utilization schedule, the sequence of work items, Work plan; complete with details of required resources for all activities.

1.7. The Consultant is required to submit complete details of its key personnel including but not limited to those mentioned in TOR. The employer reserves the right to interview the key personnel prior to signing of contract.

1.8. Consultant must have a valid PEC registration certificate in relevant category and in case of JV, all JV partners must have valid PEC registration certificate.


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2.0 PROJECT STATISTICS.

Employer	: Oil & Gas Development Company (OGDCL)
Project Title	: Hiring of Consultancy Services for Detailed Studies and Design for protection against erosion along OGDCL Bund at Qadirpur Gas Field Area, District Ghotki, Sindh.
Location	: Qadipur Gas Field Area, District Ghotki, Sindh.
Venue for Submission of Proposals	: GM (Supply Chain Management), OGDCL House, Blue Area, Jinnah Avenue, Islamabad. Email: zahid_abbas@ogdcl.com
Due Date for Submission of Proposals	: As per press advertisement.

3.0 PARTICULARS OF THE CONSULTANT.

Consultants shall indicate in the space provided; their full and proper addresses at which notices may be legally served on them and to which all correspondence in connection with their proposals and the Contract is to be sent.

Postal Address	:	
E-mail	:	
Telephones	:	
Fax	:	
Consultant's Representative	:	Name: Designation:

4.0 SCOPE OF SERVICES.

4.1. The Consultant will use its best efforts to provide professional services to the assignment described as under. The Consultant shall exercise all skill care and diligence in the discharge of its duties and performance in this regard and shall be in accordance with the prevalent practices.

4.2 In accordance with TOR, the Scope of Services shall be in the following stages:

4.2.1. River Surveys (Reach QGF Area of Indus River)

The Consultants will conduct cross sectional survey of the concerned reach of Indus River (15 km upstream and 10 km downstream with cross sections intervals of 1,500 ft apart from high bank to high bank) including the wet part. For this purpose, the consultant may use its own resources or hiring of specialist survey firm under their supervision. Where required, alternative methods for performing the work would be identified & discussed with the Client.


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4.2.2 Hydrological and Hydraulic Studies

Hydrological and hydraulic studies shall encompass the following:

- i. Collection and analysis of available river flow data at nearest gauging stations;
- ii. Estimation of design discharge for the river reach under the study;
- iii. Analysis of present hydraulic conditions, impact of raised platform and Nagwah Creek on OGDCL Bund. Impact of OGDCL Bund and raised platform (ERW) on Shank Bund. Estimation of corresponding flood levels / extents along OGDC Bund, Raised Platform, Ramps, Kacha Road, Qadirpur Shank Bund (Sindh Irrigation Department) and LM Bund (Sindh Irrigation Department)
- iv. Hydraulic Model Study and preparation of report highlighting present flow pattern with existing protection arrangements in the area. Model Study will also elaborate, flow consistency analysis, hydrological simulation, stage discharge relationship, back water effect, sediment transport simulations, flood simulation studies and flow pattern of all discharge ranges near QGF Area (upstream & downstream).
- v. Consultant will carry out Physical Model Study (PMS) through Irrigation Research Institute, Punjab Irrigation Department. PMS study is a critical activity as the subsequent detailed design is dependent on the recommendations made in report of Physical Model Study (PMS). The time required by OGDCL for approval of PMS Report and Detailed Design shall not be included in the completion period.
- vi. Planning and design of coffer/diversion dam for facilitating construction;
- vii. Estimation of scour depth for proposed structures and extension in existing structures in the area; and
- viii. Review/ Design of adequacy of existing flood protection works in QGF Area along OGDC Bund, Raised Platform, K/ Road, Qadirpur Shank Bund (SID) and LM Bund (SID) and propose flood protection works / strengthening, where required.

4.2.3 Geotechnical Investigation Studies

- i. Planning of field and laboratory investigations for review of the existing geotechnical conditions along structures i.e. OGDC Bund (Mile 0/0 to Mile 6/5), Qadirpur Shank Bund (Mile 1/2 to Mile 2/6 tail) (Sindh Irrigation Department) and LM Bund (Mile 2/0 to Mile 4/0) (Sindh Irrigation Department);
- ii. Preparation of Bill of Quantities (BOQ), bid invitation and award of work to the contractor for geotechnical investigation work;
- iii. Supervision of geotechnical investigations;
- iv. Supervision of laboratory tests;
- v. Evaluation of all the investigation work and formulation of foundation design recommendations; and


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- vi. Preparation of comprehensive Geotechnical Investigation Report along with recommendations on foundation design parameters.

4.2.4 Environment Studies

Environmental studies shall encompass:

- i. Collection and verification of necessary data-sets pertaining to present scope of work, required for the preparation of Comprehensive Feasibility Study of the project;
- ii. Study of issues related to solid waste disposal & effluent disposal management in the project area (Indus River) and its vicinity; and
- iii. Propose measures to minimize negative social and environmental effects of the project.

4.3. PREPARATION OF DETAIL DESIGN REPORT & PRESENTATION FOR APPROVAL

4.3.1. Consultant shall carry out all above mentioned studies and prepare detailed design complete in all respects for protection against erosion along OGDCL Bund. Detailed Design Report will be submitted by the consultant to OGDCL for review and approval. After approval the consultant will prepare Tender Documents comprising of Terms & Condition (Vol-I), Technical Specifications (Vol-II), Construction Drawings (Vol-III), Bill of Quantities (BOQ) & Cost Estimate and submit these documents to OGDCL. The Consultant, on advice of OGDCL, will present entire study and detailed design to the Indus River Commission (IRC) and Irrigation Department, Government of Sindh for approval. OGDCL will assist the consultant and will provide support in this regard. The time required by OGDCL for review & approval shall not be included in the completion period of the consultant and will be on OGDCL part.

5. REPORTS AND DOCUMENTS TO BE SUBMITTED

6.1 Reports to be submitted by the Consultant to Client as part of the Consultancy Services shall include the following in addition to the soft copies on CDs.

Sr. No.	Report	No. of Copies
Preparation and Submission of:		
1	Inception Report	3
2	Monthly Progress Report	3
3	Topographic Survey Report	3
4	Geotechnical Investigation Report	3
5	Physical Model Study (PMS) Report	5


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6	Environmental Impact Assessment Report	3
7	Draft Detail Design Report	3
8	Final Detail Design Report	5
9	Tender Documents including Construction Drawings, BOQ and Cost Estimates	5

6. TIME FOR COMPLETION OF WORK

- 6.1. Total Time Period for above mentioned services is 210 Calendar Days effective within 07 days from the date of issuance of Contract Agreement.
- 6.2. The time required by OGDCL for review / approval of different studies report, Design & Bid Documents etc. will be on the part of OGDCL and shall not be included in the Completion Period.
- 6.3. If the project is delayed on account of employer part, EOT to consultant will be given as per actual.

7. FEE PROPOSAL.

In accordance with the required stages above, Consultants shall submit schedule of prices (duly filled, stamped and signed by the authorized representative) as below:


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7.1 SCHEDULE OF PRICES

Item No.	Description	Contract Price (PKR)
A. Detailed Design Study Stage		
I	<p>Lump Sum Cost for Consultancy Service for River Survey (Qadirpur Gas Field Reach / Area of Indus River), Hydrological & Hydraulics studies including Physical Model Study (PMS) report, Geo-technical Investigation studies, Environment studies and preparation of detailed design report, tender documents including Terms & Conditions (Vol-I), Technical Specification (Vol-II) & Construction Drawings (Vol-III), BOQ & Cost Estimate and presentation of detailed design to Indus River Commission (IRC) and Sindh Irrigation Department, all as per TOR.</p> <p>The quoted cost shall be complete in all respect including Remunerations / Salary Cost of the consultant own staff, cost of sub-consultant (if any) for any specific job like River Survey / Geo-Technical Investigations / Physical Model Study (PMS) / Environmental Studies including consultant overheads, consultancy fee and all applicable taxes excluding Provincial Sale Tax (PST)</p>	
II (a)	Lump Sum per month Direct (Non-Salary) Cost including office supplies, stationery, photocopying & binding, local travel expenses, Daily allowance of professionals, communication expenses, cost of acquisition of stereo satellite images (if required), rental charges of vehicle including POL, support staff, proportionate office charge etc.	
II(b)	Lump Sum Direct (Non-Salary) Cost for 07 months = Cost at II(a) X 7 months =	
	<p>Sub Total A (I + II(b))</p> <p>Inclusive of Profits, Overheads, levies, all applicable taxes excluding Provisional Sales Tax (PST)</p>	


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8.0 SCHEDULE OF PAYMENT FOR DESIGN & TENDER DOCUMENTS STAGE.

Payment Schedule for this entire study including Physical Model Study and subsequent design & tender documents with construction drawings is given as under:

S. No	Work Package	Weight Factor
1	First payment on Submission of Inception Report	10%
2	Second payment on submission of acceptance of Irrigation Research Institute (IRI) Punjab for Physical Model Study (PMS).	20%
3	Third payment on submission of Physical Model Study Report.	20%
4	Fourth payment upon submission of Detail Design Report – Draft.	30%
5	Fifth payment upon submission of Detail Design - Final.	10%
6	Sixth payment upon submission of Tender Documents & BOQ.	10%
	Total	100 %

Ms.
of contract value

9.0 VARIATIONS.

- 9.1. The Employer shall have the right to add and/or omit the works at his sole discretion and Consultant shall execute and be bound by each Variation. In case of any variation constituting additional scope, the time of completion and financial impact shall be evaluated with Employer's consent considering the contract documents and actual man-hours spent in performance of such work under variation.
- 9.2 No such variation shall vitiate or invalidate the Contract, but the value of such variations will be determined by the Employer and will be mutually agreed with the Consultant.


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10. **LIQUADATED DAMAGES.**

As per OGDCL standard clause.

11.0 **GOVERNING LAW.**

11.1 This Contract shall be construed, interpreted and governed by the laws of the Islamic Republic of Pakistan.

12. **ELIGIBILITY OF THE CONSULTANT & STAFF REQUIREMENT:**

12.1 The Consultant shall undertake to assign capable and experienced Design management personnel to discharge the Services under TOR, and not sub-contract any of the Services in deviation to TOR or without prior written consent of the Employer.

12.2. The Consultant is expected to have within his team all necessary expertise as is required to discharge fully the Services at the appropriate stage of the design and other scope of services

13.0 **MISCELLANEOUS/ GENERAL PROVISIONS.**

13.1 The Consultant will follow local Laws in performance of its services and regarding Safety/Security & Insurance of its workers.

13.2 Submission of bid will mean that the Consultant; after visiting the site, reading carefully and having examined all terms and conditions referred above, is agreed to undertake the Works, if awarded.

13.3 In Case of any dispute, the arbitration act 1940 may be followed for resolution of disputes.

13.4 You will be required to present your design / options to OGDCL management, as advised.

13.5 If required, you will be bound to provide any other documents without any additional charges.

13.6 The drawings and other documents prepared in connection with the project shall be the property of OGDCL and copyrights therein shall vest with OGDCL.


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- 13.7 Additional services if required (other than the services mentioned in the scope of services) will be paid on the rate mutually agreed by both the parties hereafter.
- 13.8 No escalation shall be allowed on account of fluctuation in market rates, delay in approval of design on OGDCL part or any other reason.
- 13.9 OGDCL may terminate the contract at the design stage or earlier or later without entertaining any claim of the consultant on this account. Payment for the completed design work executed and verified by OGDCL will be considered.
- 13.10 All bills shall be paid, as per OGDCL procedure and in time as required by OGDCL and no interest for delay in payment of running bills or Final bill is applicable.

14. Proposal Evaluation on Quality Cum Cost Based Selection (QCBS):

- 14.1. Single Stage two-envelope procedure shall be adopted as procurement procedure for this work under PPRA rules. Bids shall be evaluated on Quality Cum Cost Based selection (QCBS) under clause 3(B) of procurement of consultancy services regulations 2010. A combined technical and financial evaluation shall be done by assigning weightage of 70:30 to technical and financial components for evaluation/ranking of technical and financial proposals respectively.

Technical Proposal

- 14.1.1. Technical Evaluation will be done as per the evaluation criteria attached with the TOR. Each responsive proposal shall be attributed a technical score (St). Firms scoring less than seventy (70) percent points shall be rejected and their financial proposals shall be returned un-opened.

Financial Proposal

- 14.1.2. The financial proposals of technically responsive bids, on the basis of evaluation of technical proposals, shall be opened in the presence of the representatives of these firms, who shall be invited and who choose to attend. The Client shall inform the date, time and address for opening of financial proposals accordingly. The total cost of each proposal shall be publicly announced to the attending representatives of the firms.


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14.1.3. The evaluation committee shall determine whether the financial proposals are complete and without computational errors. The lowest financial proposal (Fm) among the all opened financial bids shall be given a financial score (Sf) of 100 points. The financial scores of the other proposals shall be computed as follows:

$$S_f = \frac{100 \times F_m}{F}$$

(F = amount of specific financial proposal / quoted bid price)

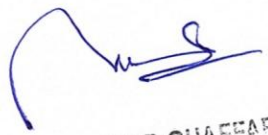
(Fm= amount of lowest financial bidder / quoted bid price)

(Sf = financial Score of specific proposal / bidder)

14.1.4. Proposals, in the quality cum cost based selection shall finally 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; and T+P=1):

$$S = S_t \times T \% + S_f \times P \%$$

The firm with the winning proposal / bid by scoring highest points in Quality Cum Cost Based Selection shall be considered for award of work


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SCHEDULE – A

Qadirpur Gas Field (QGF) of Oil & Gas Development Company Limited (OGDCL), the second largest gas field in Pakistan after Sui, is located about 70 km (43 miles) north-east of Sukkur city and about 40 km (25 miles) downstream of Guddu Barrage along the left bank of Indus River. It lies in Ghotki District of Sindh province at a distance of 8 km (5 miles) from National Highway (N-5). The field is located along Guddu-Sukkur reach in the flood plain of Indus River, however, adequate protection arrangements have been provided to counter the suspected flood effects and safeguard the installed facilities. An overview of overall protection arrangements in Guddu-Sukkur reach is presented in **Figure 1**.

Guddu-Sukkur reach of Indus River is protected along the both banks to keep the river in control and avoid flood damages i.e. to ensure safety of life, property, canal command areas and the communication link between northern and southern part of the country. The majority of gas wells were located within the riverine area and were prone to flooding. In 1997, OGDCL constructed 11.1 km (6.65 miles) long Bund (named as OGDC Bund) to safeguard their facilities in riverine area. This bund starts from mile 1/7 of Qadirpur Bund and terminates at mile 3/2 of Lundi-Mirpur (LM) Bund. The plants and workshops of OGDCL lie outside the flood plain area and are protected by existing LM Bund. In addition, both left side bunds (LM Irrigation and OGDC) also provide the protection to OGDCL installations at QGF. In 2010, OGDCL constructed a raised platform in left flood plain for installation of facilities to explore gas in the river bed on its right side. A katcha/gravel seasonal road of about 2 km length was also constructed between OGDC Bund & the platform to facilitate the movement of staff and equipment. In order to safeguard the precious installations of QGF, bearing significant national importance, from the threats of floods in River Indus, the OGDCL has always remained vigilant and carried out adequate protection measures. OGDCL

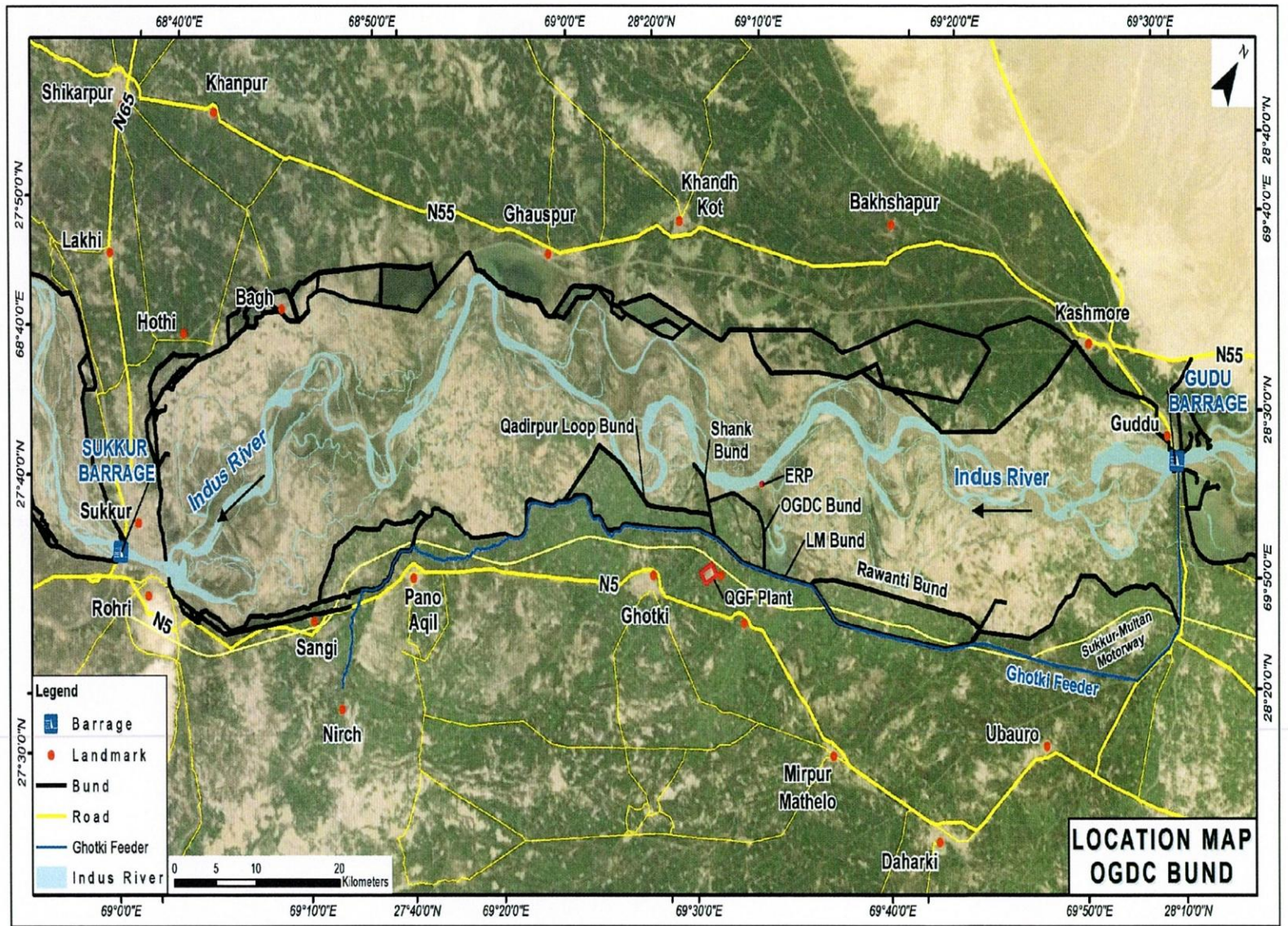

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is always keen to analyze the changing scenarios due to change in river morphology in terms of safety of the QGF installations. Layout plan of OGDC Bund and other infrastructures are shown in **Figure 2**

In year 2019, the OGDC bund remained under attack of Indus River at its Mile 2/0. It is also observed that the River has changed its morphology and has shifted its course towards the OGDC Bund. This point is also supported by historical Google images available for the last few years. Google images showing the flow pattern of River Indus with respect to OGDC Bund and Qadirpur Shank Bund for the years 2009, 2011, 2016 & 2019 is presented in **Figure 3**. In order to analyze the present condition of bund, a Situation & Condition report was prepared in December 20, 2019. In the said report, it is apprehended that the changed river morphology is a point of concern and situation may aggravate in future in the areas along both OGDC & Shank Bunds. The report emphasized that issues should be examined in detail and addressed properly. In view of the recommendations in the report, OGDCL intends to conduct a comprehensive study for carrying out detailed design for flood protection works for OGDCL bund and study the effect of OGDCL Bund and Extended Reach Platform on Shank bund (if any). A comprehensive study for protection of OGDCL installations in QGF Area Ghotki, OGDC Bund, Qadirpur Shank Bund and LM Bund (Only Mile 2/0 to Mile 4/0) should be considered in the study:

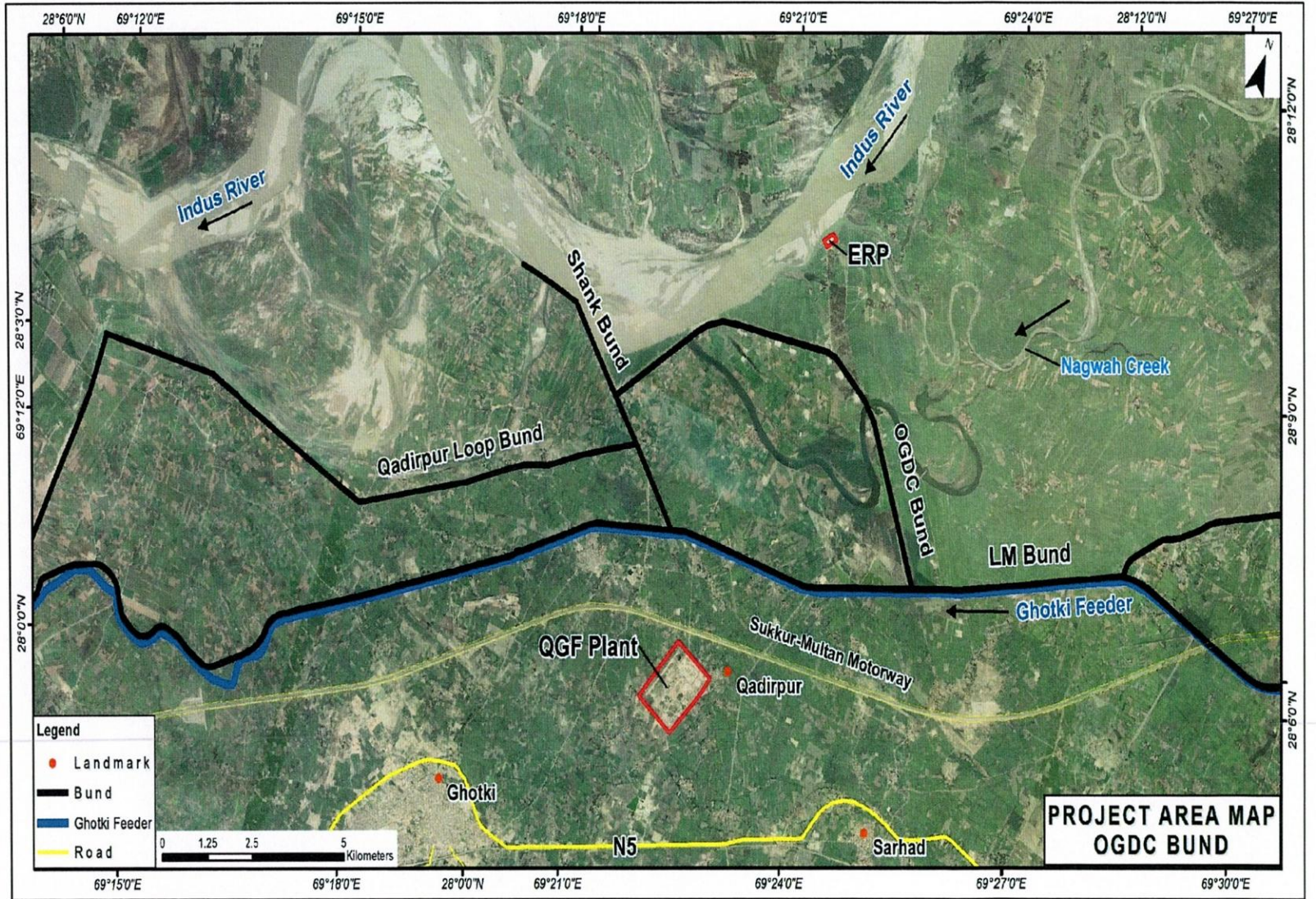


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**LOCATION MAP
OGDC BUND**

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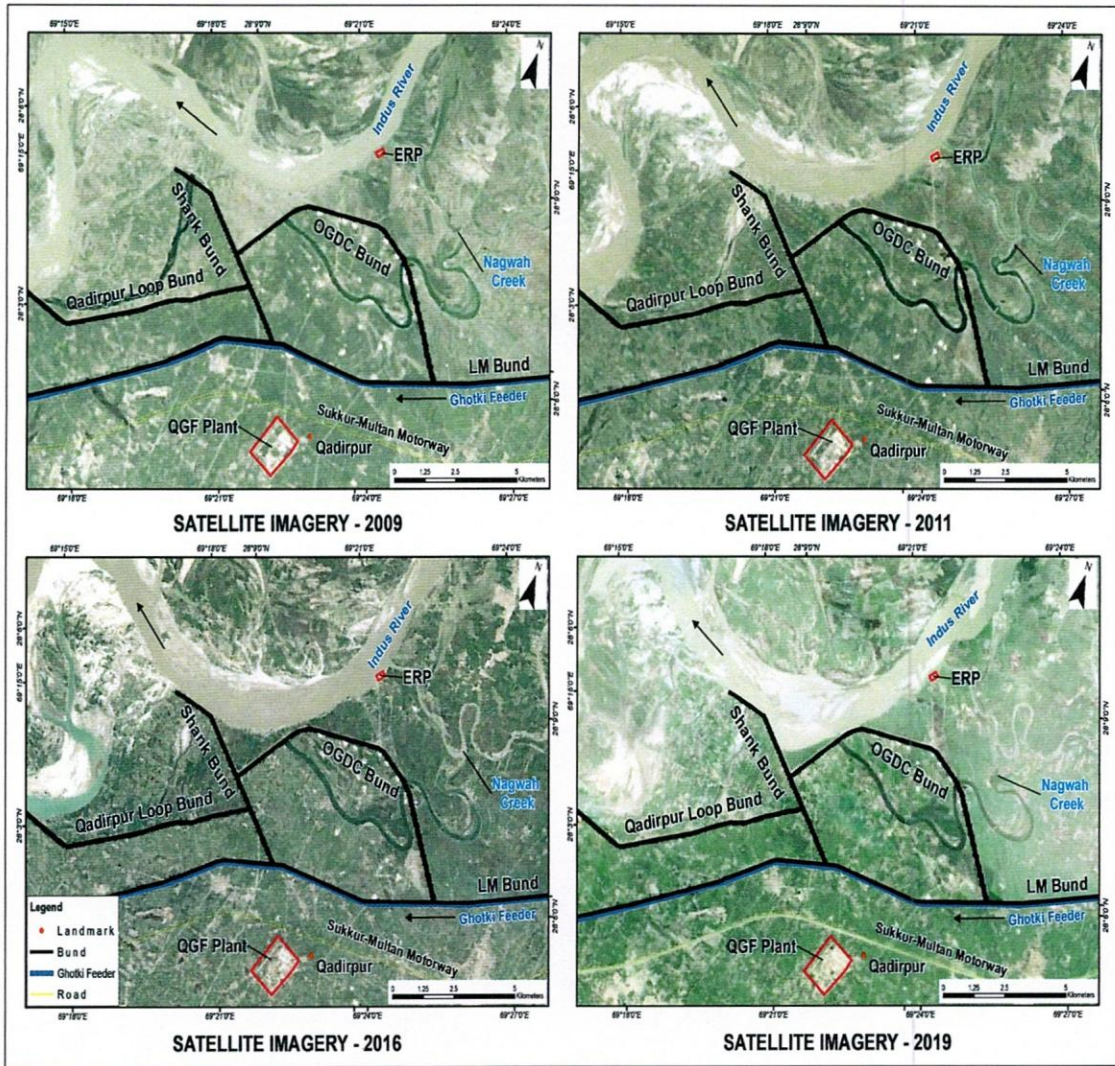


Figure3: Google Images Showing the Flow Patterns of River Indus towards OGDC Bund and QS Bund


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**CONSULTANCY SERVICES FOR FLOOD PROTECTION OF OGDCL QADIRPUR GAS FIELD AREA
GHOTKI DISTRICT, SINDH**

Technical Evaluation Criteria		Maximum Marks	Firm Marks
I	Specific Experience of the Consultants (as a firm) Relevant to the Assignments and Company Profile:	40	
	a. <u>General Experience of the Firm</u> For General Experience Number of Year of the Firm in Business will be considered 2 mark/5 year and Max. 10 marks.	10	
	b. <u>Relevant Experience of the Firm</u> Relevant Experience of Firm – 05 Number of similar projects undertaken – Flood Protection Projects will be considered for evaluation. (Contract agreement / Work order / Completion certificate for each project is mandatory for evaluation.) <ul style="list-style-type: none"> • 03 marks / project (similar nature) will be awarded. • The firm with the highest consultancy fee for relevant projects considered above for this consultancy services will get the maximum marks (15 marks), while other firms will get the proportionate mark. 	15+15= 30	
II	Adequacy of the Proposed Methodology and Work Plan in Responding to the Terms of Reference:	10	
<i>Notes to Consultant: The Client will assess whether the proposal methodology is clear, responds to the TORs, work plan is realistic and implementable, overall team composition is balanced and has an appropriate skills mix: and the work plan has right input of experts.</i>			
	a Understanding Objectives and comments on TOR	02	
	b Technical Approach and Methodology	05	
	c Organization, Staffing and Work Plan	03	

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III	Key Professional Staff Qualifications and Competence for the Assignment (Areas of Expertise)	50	
	a. Project Manager/ Team Leader	12	
	Education and Qualifications (M.Sc. Water Resources (WR) Engg. = 2:, B.Sc. Civil Engg. = 1)	2	
	<u>Experience</u> General Exp = 20 Years, 01 mark / 10 year, Max 2 marks; Relevant Exp = 16 Years, 01 mark / 4 years Max 4 marks; No of projects as Team Leader Design = 04 Nos, Max 4 Marks; and Relevant Experience in design of flood protection projects will be considered for evaluation.	10	
	b. Design Engineer (Hydraulic)	10	
	Education and Qualifications (M.Sc. WR Engg. = 2:, B.Sc. Civil Engg. = 1)	2	
	<u>Experience</u> General Exp = 20 Years, 01 mark / 10 year, Max 2 marks; Relevant Exp = 15 Years, 01 mark / 5 years, Max 3 marks; No of projects as Design Engineers = 12 Nos, 01 mark/ 4 Projects Max 3 Marks; Relevant Experience of flood protection projects will be considered.	08	
	c. Geotechnical Engineer	06	
	Education and Qualifications (M.Sc. Geotech. Engg. = 2:, B.Sc. Civil Engg. = 1)	02	
	<u>Experience</u> Relevant Exp = 16 Years, 01 mark / 4 years, Max 4 marks;	04	
	d. Environmental and Social Expert	06	


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	Education and Qualifications (M.Sc. Env. Engg./Sciences = 2, B.Sc. Civil Engg. = 1)	2	
	<u>Experience</u> Relevant Exp = 16 Years, 01 mark / 4 years, Max 4 marks;	04	
e.	Engineer Hydraulic Design/ Modeling	06	
	Education and Qualifications (M.Sc. WR Engg. = 2; B.Sc. Civil Engg. = 1)	02	
	<u>Experience</u> Relevant Exp = 16 Years, 01 mark / 4 years, Max 4 marks;	04	
f.	Engineer - Hydrologist	04	
	Education and Qualifications (M.Sc. WR Engg.= 2)	02	
	<u>Experience</u> Relevant Exp = 16 Years, 01 mark / 8 years, Max 2 marks;	02	
g.	GIS Engineer/ Experts	04	
	Education and Qualifications (MCS/Space Science (GIS) = 2; B.Sc. Civil Engg. = 1)	02	
	<u>Experience</u> Relevant Exp = 16 Years, 01 mark / 8 years, Max 2 marks;	02	
h.	Contract Engineer (Graduate Engineer)	02	
	<u>Experience</u> Relevant Exp = 16 Years, 01 mark / 8 years, Max 2 marks;	02	
TOTAL MARKS (I+II+III)		100	
Note: Joint Venture of firms will be evaluated as per standard procedure of PEC for bid evaluation. (as available on PEC website) <i>Mt.</i>			

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OTHER IMPORTANT INFORMATION

BIDDING METHOD:

Bids against this tender are invited on 'Single Stage Two Envelope '

AMOUNT OF BID BOND:

Bid Bond /Bid Security amounting to PKR: **600,000/-** is to be attached / provided with the technical bid. Please see Master Set of Tender Document for further details.

BID PRICE:

- i. Bid price shall be inclusive of all taxes, duties, levies, charges etc., except Provincial Sales Tax (PST)/ Islamabad Capital Territory Sales Tax (ICT) in Pakistan.
- ii. The prices quoted by the successful bidder (contractor) for required services shall remain firm and final throughout contract period. The price charged by the successful bidder (contractor) for required services shall not vary from the prices quoted by the service company.

MANDATORY REQUIREMENT

For online payment to vendors/contractors through (IBFT & LFT). Following info is required from your company: -

1. IBAN (INTERNATIONAL BANK ACCOUNT NUMBER 24 DIGITS).
2. VENDOR NAME AS PER TITLE OF THEIR BANK ACCOUNT.
3. NTN NO WITH INCOME TAX CERTIFICATE
4. CONTACT # OF COMPANY CEO/OWNER (MOBILE & LANDLINE).
5. POSTAL ADDRESS.
6. BANK NAME.
7. BANK BRANCH NAME & ADDRESS.

The master set of tender documents (services) uploaded on OGDCL's website (www.ogdcl.com) is the integral part of this TOR.

Bidders are requested to read TOR & Master Set to Tender Documents (Services) and provide complete information / documents including tender annexures with the bid.

Following is the link for Master Set of Tender Documents for Services:

file:///C:/Users/OGDCL/AppData/Local/Temp/Tender%20Document%20Services%20Press%20for%20Webloading-Discunt%20clause%20added%20dated%2011-08-2020.pd