


S. No.	Clarifications Sought	Client Response
1	Please provide the coordinates of the existing pumping facilities along with the expected areas under the project boundary. This information is important to estimate the efforts for desktop and on ground surveys required for the feasibility study.	Attached Sheet shows Coordinates of PS-I & PS-II and existing Utility area (Anexx A, B & C). Land for Power plant should be selected and acquired Separately
2	Geotechnical services are not mentioned in the scope which might be required for the preliminary civil design. Is Geotechnical report already available with client and the same shall be shared with the consultant. Please confirm.	While the KWSB team may share geotechnical studies of nearby geographical region, any technical study including Geotech/topographic etc will need to be conducted by the Consultant and is included in the scope.
3	The scope of work does not define any preference of a specific technology and fuel alternative for the thermal power generation. As a consequence, various consultants may comprehend the scope differently and eventually will offer according to their interpretations which might be different than the others. For competitive bidding, it is suggested to fix at least the number of technology options and number of fuel alternatives (NG, LNG, Coal, Furnace Oil) for the feasibility study. Moreover, different fuels have different logistic requirements and it is imperative to fix the alternatives for precise quantification of scope of works under logistics review. Please confirm the preferred technologies and number of technology options and fuel alternatives.	KWSB is open to a hybrid option as long as uninterrupted power supply at affordable rates is available. We are aware that the power mix will definitely include thermal solution.
4	Please confirm that in the Phase-1, Technical & Financial Feasibility Study (Sub task-02) shall be conducted for only one selected site.	This has been clearly mentioned in the RFP.
5	Is sea cooling water available in the project vicinity?	No.
6	As per the Terms of Reference, services are required for all three phases mentioned in TOR. The title "50MWs Power Plant for K-IV Project Phase-1" is making a little confusion in understanding the "PHASE". We suppose the phase-1 in the title is the power plant development phase-01 while phases mentioned are actually the stages of this development. Please confirm.	Phase 1 of K-IV is about supply of 260 mgd of water. Three phases mentioned in the ToRs are included in the Scope of Consultants
7	Please specify the types of Insurances applicable on this contract and their respective limits	The Consultant is at liberty to choose any sort of insurance it deems fit.

S. No.	Clarifications Sought	Client Response
8	Please define the limits and duration for "Professional Indemnity Insurance" applicable for this project.	Coverage is provided to the extent shared in the RFP
9	Being an international consultant, can we submit our financial proposal in USD. Please confirm.	Bids must be submitted in local currency.
10	In case two international consultants participate in the proposal, and one of them is registered with PEC while other is not. Is it acceptable to have one consultant registered with PEC or both must hold registration?	Both must hold registrations with PEC 
11	Please confirm that all payments will be transferred by the client into foreign account in case of foreign applicant as JV leader.	Since the payment would be made in Rs, accounts need to be denominated in Rs. KWSB will not take the exposure of currency fluctuations
12	Preparation of bid bond through international banking and getting quotations for third party services is a lengthy process. Also, there are Eid holidays in the month of June 2018. Therefore, we request to provide an extension for FOUR (04) week from the date of submission. Please confirm	Feedback is taken. There won't be any extensions provided more than what they are already provided.
S. No.	Additional Clarifications dated 2018-June 5	Client Response
13	<b>Additional Information Required</b> <ol style="list-style-type: none"> <li>1. location and capacity of water pumping stations</li> <li>2. no. of pumps installed in each station</li> <li>3. Details of electric motor running these pumps <ul style="list-style-type: none"> <li>· ratings of electric motors</li> <li>· whether the motors are soft start or direct-line start</li> </ul> </li> <li>4. The entire technical specifications of the newly procured pumping units including motors may please be issued as early as possible since it is quite essential for the technical proposal.</li> <li>5. Client to consider or encourage thermal + renewable or other hybrid solutions with the eventual goal of lowering overall cost of power generation</li> </ol>	<ol style="list-style-type: none"> <li>1. Location of PS-I &amp; II are given as Anex A&amp;B</li> <li>2. 6X Pumps <ol style="list-style-type: none"> <li>3. 6X Motors with rating 2500kW at PS-I and 6X . Motors with rating 4000kW at PS-II</li> </ol> </li> <li>· All Motors are Soft Start (VFD)</li> <li>4. Technical Parameter not yet finalized.</li> <li>5 Feedback has been constructively taken. Please find the changes in the addendum to the RFP.</li> </ol>
14	<b>Scoring Criterion</b>	

S. No.	Clarifications Sought	Client Response
	<p>The scoring criteria of having experience of 7 "thermal" power projects may please be amended and updated to just power projects as there is scope of renewable/hybrid power generation. Whilst it has been discussed that inclusion of thermal projects is a must, we suggest some points to be allocated for non-thermal projects as well (e.g either 7 thermal projects / 4 thermal + 3 renewable) in order to cater for a hybrid solution which has the potential of lowering overall levelled tariff / cost per kWh</p>	<p>Feedback has been constructively taken. Please find the changes in the addendum to the RFP.</p>
<p><b>15</b></p>	<p><b>Milestone payments and other payment related issues</b>            We strongly request the payment schedule to be revised as per the table below. (Attached Annexure I). We would also encourage ‘inception report’ to be added to the milestones so that the Client and Consultant are on the same page before delving into detailed technical studies. Furthermore, more weightage (in terms of payment) should be given to technical studies as it warrants a lot of effort / utilization of resources            Please do consider making direct payments to each consortium member at this stage and amend agreement accordingly. Current feasibilities with the Energy Department, Government of Sindh can be used as a precedent.</p>	<p>Feedback has been constructively taken. Please find the changes in the addendum to the RFP.</p> <p>We believe the draft Consultancy Contract is currently structured accordingly to allow for direct payments to each Consortium member. Any other changes to incorporate the understanding have been made in the addendum to the RFP.</p>
<p><b>16</b></p>	<p><b>Stakeholder Engagement</b>            Client must – on a best efforts basis- engage with potential stakeholders or relevant regularity bodies (NEPRA, NTDC, STDC, KWSB, others ) at inception and discuss project plans in order to facilitate approvals required for timely project implementation.</p>	<p>Agreed. This is already underway.</p>
S. No.	Additional Clarifications dated 2018-June 5	Client Response
<p>17</p>	<p>What is the structure of relationship between KWSB, NEPRA and PPP for this particular project?</p>	<p>KWSB has launched 50 MW power supply project under PPP structure. Since the project is structured under an IPP model, regulatory approvals from NEPRA are mandatory and need to be taken accordingly.</p>

S. No.	Clarifications Sought	Client Response
18	Do you have any limitations or fixed ratio of Thermal and Renewable Energy mix in designated 50MW?	As long as uninterrupted power supply is guaranteed at affordable rates, KW&SB has no limitation to the mix. The Consultant is supposed to further provide clarity on this.
S. No.	Additional Clarifications dated 2018-June 5	Client Response
19	We understand there shall be two pumping stations under Phase-1, having 20 MW & 30 MW load and located 28 KMs apart. Land coordinates for each pumping station site if available may please be provided.	Please find response under point 1 above.
20	Has any understanding with SSGC or other Gas supplier for the supply of gas for 50 MW project been developed and what is its current status?	Our preliminary findings suggest that there is a nearby gas infrastructure/pipeline in place near the pumping stations. Further information can be attained through site visit(s)
Additional Comments/Clarifications raised during Pre-bid Meeting		
21	It is recommended that Performance Security amount be reduced from 3% of the Bid Price to 1% of the Bid Price.	Performance Security amount has been reduced to 1% of the Bid Price
22	It is kindly requested to extend the proposal submission date for 02 weeks to enable our consortium/JV to prepare and submit a comprehensive and competitive proposal	No change

Annexure-A

Location of PS- I

E=395428.248  
N=2754374.490

E=395491.662  
N=2754387.748

I-NOLLALS PUMPING STATION

E=395502.808  
N=2754349.783

000 + LC

000 + LC

E=395507.232  
N=2754313.276

000 + LC

E=395443.818  
N=2754300.018

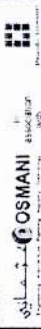
Date	Revised By	Checked	Drawn	Checked

Client:  
GREATER KARACHI  
BULK WATER SUPPLY SCHEME, K-IV

Consultant:  
DETAILED DESIGN AND CONSTRUCTION  
SUPERVISION OF GREATER KARACHI  
BULK WATER SUPPLY SCHEME  
K-IV, PHASE I, 260 MGD



Client:  
KARACHI WATER &  
SEWERAGE BOARD (KW & SB)



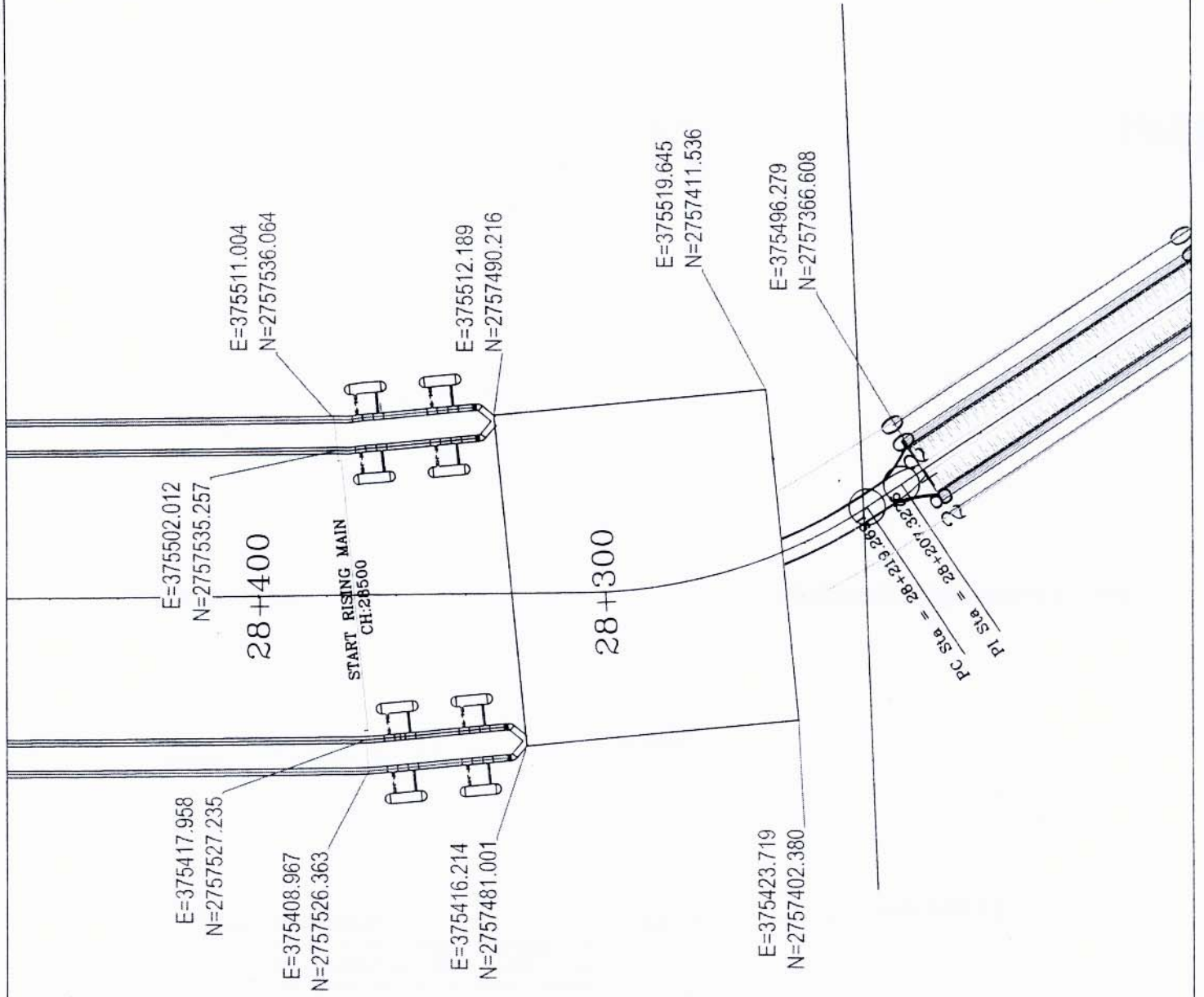
Consultant:  
OSMANI  
Engineering & Construction  
Private Limited

Scale:	PS - I Coordinates
Drawn By:	Checked By:
Drawn Date:	Checked Date:
Project No:	Approved By:
Sheet No:	

Annexure - B

Location of PS II

PUMPING STATION-2



No.	Date	By	Checked

PROJECT: GREATER KARACHI BULK WATER SUPPLY SCHEME, K-IV

CONSULTANCY ORGANIZATION: DETAILED DESIGN AND CONSTRUCTION SUPERVISION OF GREATER KARACHI BULK WATER SUPPLY SCHEME K-IV, PHASE I, 260 MGD

Client: KARACHI WATER & SEWERAGE BOARD (KW & SB)

Consultant: OSMANI

State of Drawing: Forebay - II Coordinates

Drawing Discipline: Forebay - II Coordinates

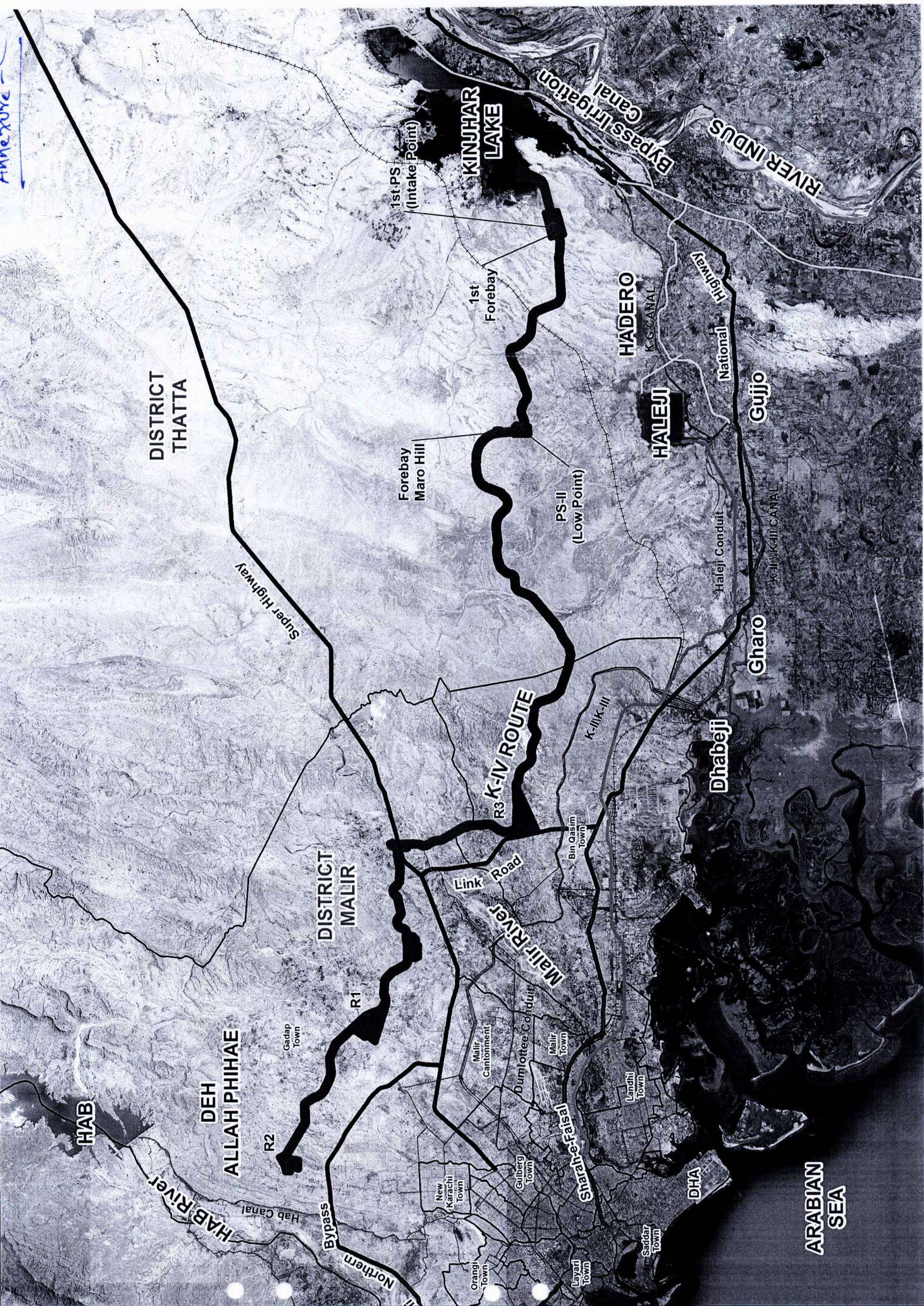
Location: Durrani

Sheet No:  

Project No:  

Scale:

Annexure - C



DISTRICT THATTA

KINJHAR LAKE

1st PS (Intake Point)

1st Forebay

Forebay Maro Hill

PS-II (Low Point)

HADERO

HALEJI

Gujjo

Gharo

Dhabaji

DISTRICT MALIR

DEH ALLAH PHIHAEE

HAB

HAB RIVER

R3 K-IV ROUTE

Link Road

Mallir River

R1

R2

Gadap Town

Malir Cantonment

Malir Town

Dumlofee Conduit

Gulberg Town

New Karachi Town

Layari Town

Bin Qasim Town

Shatare-Faisal

Landhi Town

Saddar Town

DHA

K-III-K-III

K-G CANAL

Haleji Conduit

K-II-K-III CANAL

Bypass Irrigation Canal

RIVER INDUS

National Highway

Super Highway

ARABIAN SEA