

**Combined Effluent Treatment Plant
(CETP) and Conveyance System
Up-gradation for Korangi Tanneries**

**Engineering, Procurement and Construction
(EPC) of CETP Modification and Upgradation
– Combined Effluent Treatment Plant for
Korangi Tanneries, Karachi**

**“TENDER DOCUMENT”
(CETP Modification and Upgradation)**

Volume III

**FINANCIAL BID
Letter of Financial Bid
Appendices to Financial Bid (B, D, J & L)**

May, 2020

**PTA (S.Z)
Environmental Society**

**COMBINED EFFLUENT TREATMENT PLANT (CETP)
AND
CONVEYANCE SYSTEM
UP-GRADATION FOR KORANGI TANNERIES**

**ENGINEERING, PROCUREMENT AND CONSTRUCTION
(EPC) OF CETP MODIFICATION AND UPGRADATION –
COMBINED EFFLUENT TREATMENT PLANT FOR
KORANGI TANNERIES, KARACHI**

**“TENDER DOCUMENT”
(CETP Modification and Upgradation)**

Volume III

**FINANCIAL BID
Letter of Financial Bid
Appendices to Financial Bid (B, D, J & L)**

May, 2020

TABLE OF CONTENTS

Letter of Financial Bid	FB-1
Schedule of Items	FB-9
Operation Service for the Works (for specified Operation Service period)	FB-17
Integrity Pact	FB-19

LETTER OF FINANCIAL BID

Letter of Financial Bid

Bid Reference No. _____

(Name of Contract / Works):

To:

We, the undersigned, declare that:

- (a) We have examined and have no reservations to the Bidding Documents, including Addenda issued in accordance with Instructions to Bidders (IB)9;
- (b) The total price of our Bid, excluding any discounts offered in item (c) below is:

- (c) The discounts offered and the methodology for their application are:

- (d) Our Bid shall be valid for a period of days from the date fixed for the bid submission deadline in accordance with the Bidding Documents, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- (e) If our Bid is accepted, we commit to obtain a performance security in accordance with the Bidding Documents;
- (f) We understand that this bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal contract is prepared and executed and we do hereby declare that the Bid is made without any collusion, comparison of figures or arrangement with any other bidder for the Works.
- (g) We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive.
- (h) We agree to permit Employer or its representative to inspect our accounts and records and other documents relating to the bid submission and to have them audited by

auditors. This permission is extended for verification of any information provided in our Technical Bid which comprises all documents enclosed herewith in accordance with IB.11.1B of the Bidding Data Sheet.

- (i) If awarded the contract, the person named below shall act as Contractor's Representative.

Name:

In the capacity of:

Signed:

Duly authorized to sign the Bid for and on behalf of:

Date:

Address.....

APPENDICES TO FINANCIAL BID

(DELETED)

PREAMBLE TO SCHEDULE OF PRICES/BILL OF QUANTITIES

1. General

- 1.1 The Schedule of Prices shall be read in conjunction with the Conditions of Contract together with Employer's Requirement and Bidding Drawings.
- 1.2 The Bidder shall quote for all items of the Works executed on EPC/Turnkey basis and the prices shall be quoted for the complete scope of Work as described or implied from these Bidding Documents.

2. Description & Quantities

- 2.1 Price given in the Schedule of Prices against each item shall be for the scope covered by that item as detailed in the Employer's Requirement, Bidding Drawings or elsewhere in the Bidding Documents. The general directions and descriptions of work and materials are not necessarily repeated nor summarized in the Schedule of Prices and do not generally give a full description of the Plant and equipment to be supplied and the services to be performed under each item. References to the relevant sections of the Bidding Documents shall be made to ascertain the full scope of the requirements included in each item prior to filling in the rates and prices against each item in Schedule of Prices.

The Schedule of Prices only identifies major components of the structure and it does not restrict the responsibility of the Contractor to furnish all equipment, materials and services as deemed necessary by the Employer/Project Manager/Engineer for making the structure operationally complete and satisfactory as specified and/or implied in the Bidding Documents and subsequent revisions thereto.

- 2.2 The quantities as shown in the Schedule of Prices are estimated quantities and provisional only being given as an indication of the Scope of Work to enable the Bidder to bid for different items of the Works in accordance with his estimate of costs. The estimated quantities shall be used for comparing the Bids. It is, however, be noted that the basis of payment will be the actual quantities of work executed and measured by the Contractor and verified by the Project Manager/Engineer.
- 2.3 The sizes & dimensions mentioned and/or specified in the various technical descriptions and specifications including Bidding Drawings are tentative and not final as the responsibility for detailed design rests with the Contractor under the Contract. If, in the opinion of the Project Manager/Engineer, at the time of review of Contractor's drawings/designs for approval, certain sizes & dimensions of some items have to be increased for proper completion and/or operation of the Works, then revised sizes & dimensions shall be supplied by the Contractor at no extra cost to the Employer.

3. Units & Abbreviations

- 3.1 Units of measurement, symbols and abbreviations expressed in the Bidding Documents shall comply both with FPS & MKS System.

4. Rates and Prices

- 4.1 Except as otherwise expressly provided under the Conditions of Contract, the unit rates and lump sum amounts entered in the Schedule of Prices will be the rates at which the Contractor will be paid, and shall be deemed to include for the full scope and all costs incurred by the Contractor in the performance of the Works, the provision of services including his overheads, income tax, super tax, other indirect costs, customs & other duties, profits and costs of accepting the general risks, liabilities and obligations set forth or implied in the Contract, except for such costs which are specified as reimbursable under the Contract.

The unit rates shall be extended to show the total amount for each item. The total of the Schedule of Prices is the Total Bid Price and shall be entered in Paragraph 1 of the Form of Financial Bid. Where a discrepancy exists between the unit rate and the extended total amount, the unit rate shall be taken as correct and the total amount adjusted accordingly.

- 4.2 Unless otherwise stipulated in the Conditions of Contract, the rates and prices entered by the Bidder shall be fixed and firm and shall not be subject to adjustment during the performance of the Contract.
- 4.3 All duties, taxes and other levies payable by the Contractor under the Contract, or for any other cause, as on the date twenty eight (28) days prior to the deadline for submission of Bids shall be included in the rates and prices and the total Bid Price submitted by a Bidder.

Additional/reduced duties, taxes and levies due to subsequent additions or changes in legislation shall be reimbursed/deducted as per provisions of the Conditions of Contract.

- 4.4 The whole cost of complying with the provisions of the Contract shall be included in the items provided in the priced Schedule of Prices, and where no items are provided in the Schedule of Prices for any work required to be executed by the Contractor on EPC/Turnkey basis under single responsibility for the completion of the Works and to make the structure operationally complete, the cost of such item(s) shall be deemed to be distributed among the rates and prices entered for the related items of the Works and no separate payment will be made by the Employer for those items executed by the Contractor.

The rates, prices and amounts shall be entered against each item in the Schedule of Prices. Where a Bidder fails to quote a price of any item of the Schedule of Prices, the Employer will consider that the price of that item is included among other items and the Contractor will be obligated to furnish that item at no extra cost to the Employer, if awarded the Contract.

- 4.5 The Bidder shall be deemed to have obtained all information as to port clearance facilities and charges, loading and unloading facilities and charges, storage facilities and charges, transportation facilities and charges, congestion and/or other conditions to be expected at Karachi Port and or any other seaport of Pakistan and all requirements related thereto.

The Contractor shall be responsible to make complete arrangements for the transportation of the Plant to the Site. The Bidder shall be deemed to have included all clearing, forwarding and other incidental costs in this regard in his Bid. The Contractor will have the option to use either Karachi Port or any other seaport of Pakistan.

- 4.6 The Contractor shall provide all parts of the Works to be completed in every respect for commercial operation. Notwithstanding that any details, accessories, etc. required for the complete installation and satisfactory operation of the Plant, are not specifically mentioned in the Schedule of Prices, Specifications including Bidding Drawings, such details shall be considered as included in the Contract Price. All charges for the supply of goods, materials, accessories or work not specifically mentioned herein but necessary for the completion and operation of the Works shall be deemed to have been included in the quoted prices.
- 4.7 All costs in connection with inspection and witnessing of Factory Acceptance Tests within and outside Pakistan shall be borne by the Contractor and shall be deemed to have been included in the quoted prices.

All costs in connection with the holding of meetings shall be borne by the Contractor. The rates in the Schedule of Prices shall also include Contractor's cost for providing Performance Security and other Bank Guarantees required for performance of the Contract.

5. Provisional Sums

Provisional Sums included and so designated in the Schedule of Prices if any, shall be expended in whole or in part at the direction and discretion of the Employer/Project Manager/Engineer. The Contractor will only receive payment in respect of Provisional Sums if he has been instructed by the Employer/Project Manager/Engineer to utilize such sums.

Where in the Schedule of Items there is an item having the words "PROVISIONAL SUM", It shall be used for payment only when work is ordered to be done and valued in accordance with clause 13.5 of Conditions of Contract. For payments under Provisional Sums, an addition of 17% + Government of Sindh GST (if applicable) over produced vouchers, invoices, quotations and accounts is admissible for overhead charges, taxes, profit, etc. (this includes every seen and/or unseen charges).

6. Schedule of Payments

a. Plant & Equipment (E&M Works)

1.	Design & Drawings	5% of Lump Sum Cost
2.	Delivery of Plant and Equipment at Site	60% of Lump Sum Cost
3.	Installation	15% of Lump Sum Cost
4.	Testing	10% of Lump Sum Cost
5.	Commissioning	10% of Lump Sum Cost

b. Civil Works

1.	Design & Drawings	5% of Lump Sum Cost
2.	Excavation	10% of Lump Sum Cost
3.	Foundation and Sub Structure	25% of Lump Sum Cost
4.	Super Structure	25% of Lump Sum Cost
5.	Internal and External Finishes	20% of Lump Sum Cost
6.	On Installation of Plant & Equipment	10% of Lump Sum Cost
7.	Internal Water Supply, Sanitary and Drainage	5% of Lump Sum Cost

c. Miscellaneous Works

- Proportionally on the basis of area / stages of works completed.

Note: Percentage breakup of quoted cost in schedule of item is for evaluation purposes only, all payments under SOI-1 shall be made as per schedule of payments given above.

Engineering, Procurement & Construction (EPC) Contract for Combined Effluent Treatment Plant for Korangi Industrial Area, Karachi		
Schedule of Items		
SUMMARY		
Section	Component	Amount (Pak. Rupees)
SOI-1	Engineering Procure Construct (Design, Execution, Completion and Remedying and Defects therein) of the Works	
SOI-2	Operation Service for the Works (for specified Operation Service period)	
SOI-3	Repair Cost of Existing Equipment (Optional)	

Bidder Name _____

Authorized Signatures _____

Seal _____

Engineering, Procurement & Construction (EPC) Contract for Combined Effluent Treatment Plant for Korangi Industrial Area, Karachi

Schedule of Items

Section SOI-1

#	Item Description	Unit	Quantity	Unit Rate	Amount	Percentage Breakup of Quoted Cost				
				(Rupees)	(Rupees)	Designing	Providing/ Delivery at Site	Constructing	Installing	Testing / Commissioning
1	PROCESS-RELATED FACILITIES									
1.1	Designing, providing and constructing Wastewater Screening Chamber comprising all the civil works including, but may not be limited to, all the earthwork, PCC works, RCC works, block masonry, plastering, painting & polishing works, plinth protections, water proof & chemical resistant coatings, stairs, ladders, railings, gratings and sluice gates; hydraulic testing; and commissioning, complete in all respects, in accordance with the Contract (but excluding the mechanically-cleaned bar screens & their hoisting arrangements)	JOB	LS							
1.2	Designing, providing and constructing Grit Chamber comprising all the civil works including, but may not be limited to, all the earthwork, PCC works, RCC works, block masonry, plastering, painting & polishing works, plinth protections, water proof & chemical resistant coatings, stairs, ladders, railings, gratings and sluice gates; hydraulic testing; and commissioning, complete in all respects, in accordance with the Contract (but excluding the mechanical grit scrapers, mechanical grit raking mechanisms and organic return pumps)	JOB	LS							
1.3	Designing, providing and modifying existing UASB and/or Aerated Lagoon Tanks as per the design requirement to Aeration Tanks comprising all the civil works including, but may not be limited to, all the earthwork, PCC works, RCC works, block masonry, plastering, painting & polishing works, plinth protections, stairs, railings, gratings, sluice gates; hydraulic testing; and commissioning, complete in all respects, in accordance with the Contract (but excluding jet aeration system and piping works).	JOB	LS							
1.4	Designing, providing and rehabilitation of existing Sludge Drying Beds comprising all the civil works including, but may not be limited to, replacement of Filter Material, sludge piping works; hydraulic testing; and commissioning, complete in all respects, in accordance with the Contract.	JOB	LS							
1.5	Designing, providing, installing, testing and commissioning all the Process Piping Works for the gravity and forced transmission of wastewater, supernatants, filtrates, treated effluents and sludge, including, but may not be limited to, all the earthwork, piping, fittings, valves, specials, internal & external treatments for piping, pipe beddings, pipe encasements, backing blocks, clamps, supports & anchors for exposed piping, inspection chambers and manholes,	JOB	LS							

Engineering, Procurement & Construction (EPC) Contract for Combined Effluent Treatment Plant for Korangi Industrial Area, Karachi

Schedule of Items

Section SOI-1

#	Item Description	Unit	Quantity	Unit Rate	Amount	Percentage Breakup of Quoted Cost				
				(Rupees)	(Rupees)	Designing	Providing/ Delivery at Site	Constructing	Installing	Testing / Commissioning
	complete in all respects, in accordance with the Contract.									
1.6	Providing, and applying chemical resistant Coal tar epoxy coating, on all internal surfaces after repairing cracks, eroded concrete surfaces, protecting corroding steel, including preparing the surface by thoroughly cleaning oil, grease, dirt, jobsite contamination, previous coatings and other foreign matters. Scoured with wire brushes, fine steel wool, scrapers, sand paper, abrasive blasting, shot blasting, water jetting (6,000 to 10,000 psi), grinding or compressed air and in some instances, it may be acid etched. Defects should be repaired, fresh concrete should be adequately cured, structurally sound and dry, free from dirt and contaminants. all loose coatings must be removed, . Complete in all respects. Follow the manufacturer's recommendations, instructions, MSDS and other safety precautions, to the satisfaction and instructions and in accordance with the conditions of Contract.	JOB	LS							
2	BUILDINGS									
2.1	Designing, providing and constructing buildings comprising all the civil works including, but may not be limited to, all the earthwork, termite proofing treatment, PCC works, RCC works, block masonry, plastering, roofing, flooring, dado, skirting, stair finishes, painting & polishing works, windows, fixed glazed panels, doors, rolling shutters, cable trenches, stairs, railings, wooden partitions, plinth protection, overhead water tank; all the building electrification works including distribution boards, wiring, switch socket units, ceiling fans, exhaust fans, light fixtures, and earthing; all the telecommunication works; and conduits only for split air conditioners, complete in all respects, in accordance with the Contract:									
a)	Blower Room	JOB	LS							
b)	Standby Electric Generator Building (but excluding generator sets & their accessories and crane)	JOB	LS							
2.2	Designing, providing and rehabilitation of existing Control Panel Room and all pumping stations comprising all the civil works including, but may not be limited to, plastering, roofing, flooring, dado, skirting, stair finishes, painting & polishing works, windows, fixed glazed panels, doors, rolling shutters, cable trenches, stairs, railings, wooden partitions, plinth protection, all the building electrification works including distribution boards, wiring, switch socket units, ceiling fans, exhaust fans, light fixtures,	JOB	LS							

Engineering, Procurement & Construction (EPC) Contract for Combined Effluent Treatment Plant for Korangi Industrial Area, Karachi

Schedule of Items

Section SOI-1

#	Item Description	Unit	Quantity	Unit Rate	Amount	Percentage Breakup of Quoted Cost				
				(Rupees)	(Rupees)	Designing	Providing/ Delivery at Site	Constructing	Installing	Testing / Commissioning
	and earthing; all the telecommunication works; and conduits only for split air conditioners, complete in all respects, in accordance with the Contract.									
3	MISCELLANEOUS WORKS									
3.1	Designing, providing and constructing all the Boundary Walls including, but may not be limited to, all the earthwork, PCC works, RCC works, boundary columns & girders, block masonry, plastering, painting & polishing works and all the works required for protection against coastal waves; complete in all respects, in accordance with the Contract	JOB	LS							
3.2	Designing, providing, installing, testing and commissioning all the External Illumination Works for the Site, including, but may not be limited to, all the light poles, earthwork & foundations for light poles, mercury vapor lamps & holders, service terminal boxes and automatic switching devices, complete in all respects, in accordance with the Contract	JOB	LS							
3.3	Designing, providing, installing, testing and commissioning all the External and Plant (mechanical equipment) Electrification Works, including, but may not be limited to, all the earthwork, metering panel, LT switchgear panels, power factor improvement (PFI) plants, LT power and control cables, cable trays, earthing systems, electrical protection works, provisions for manual and/or automatic switching controls for different Plant (mechanical equipment) and provisions for connection to electricity generation facilities, complete in all respects, in accordance with the Contract (but excluding the electric supply connection charges and electricity generation facilities)	JOB	LS							
3.4	Supply, install, connect and test Programmable Logic Center (PLC) with control panel which shall include all I/O cards, connecting to computer and Ethernet with all needed Ethernet cards, required cabling and wiring works, connect the PLC with computer and programming the computer to operate all the plant successfully, programming the PLC for all proposed inputs and outputs to operate the plant as per the Employer's Requirements and give onsite training to the persons designated by the Employer.	JOB	LS							
3.5	Supply, install and connect 12" screen for monitoring and controlling, to be compatible with PLC and from the same type and install it on the front of the control panel, and connect it with PLC, with all needed interface cables and accessories, and program it to monitor all the operational activities, and control with all I/O, the program and all operations, the screen also consist of all	JOB	LS							

Engineering, Procurement & Construction (EPC) Contract for Combined Effluent Treatment Plant for Korangi Industrial Area, Karachi

Schedule of Items

Section SOI-1

#	Item Description	Unit	Quantity	Unit Rate	Amount	Percentage Breakup of Quoted Cost				
				(Rupees)	(Rupees)	Designing	Providing/ Delivery at Site	Constructing	Installing	Testing / Commissioning
	features for monitoring and controlling. The screen must simulation to preview all the process components and all measurement readings. The work also includes supplying the newest version of the open software, all as per the Employer's Requirements.									
4	PLANT (MECHANICAL EQUIPMENT)									
4.1	Designing, providing, installing, testing and commissioning all the Mechanically-Cleaned Screen in the Wastewater Screening Chambers, including, but may not be limited to, the screen panels, raking-mechanisms, motors, gear boxes, motor starters, controls, safety mechanisms and support base/frame; all jointing, fixing & installation accessories; all painting & coatings; and a complete set of special tools, test equipment & spare parts, complete in all respects, in accordance with the Contract	JOB	LS							
4.2	Designing, providing, installing, testing and commissioning all the Organic Return Pumps in the Grit Chambers, including, but may not be limited to, the pumps, motors, motor starters, switching control devices, support base/frames, all jointing, fixing & installation accessories, all painting & coatings and a complete set of special tools, test equipment & spare parts, complete in all respects, in accordance with the Contract	JOB	LS							
4.3	Designing, providing, installing, testing and commissioning all the Mechanical Grit Raking Mechanisms (Inclined-Reciprocating type) in the Grit Chambers, including, but may not be limited to, the raking-mechanisms, motors, gear boxes, motor starters, controls, safety mechanisms and grit collection system; all jointing, fixing & installation accessories; all painting & coatings; and a complete set of special tools, test equipment & spare parts, complete in all respects, in accordance with the Contract	JOB	LS							
4.4	Designing, providing, installing, testing and commissioning all the Mechanical Grit Scrapers in the Grit Chambers, including, but may not be limited to, the bridge structure with decking & safety handrails, scraper blades & their support structures, support/bearing units, motors, gear boxes, motor starters, drive controls, safety mechanisms, electric cables & conduits, all jointing, fixing & installation accessories, all painting & coatings and a complete set of special tools, test equipment & spare parts, complete in all respects, in accordance with the Contract	JOB	LS							
4.5	Designing, providing, installing, testing and commissioning all the Agitators in existing Equalization Tanks, including, but may not be limited to, the platform structure & safety									

Engineering, Procurement & Construction (EPC) Contract for Combined Effluent Treatment Plant for Korangi Industrial Area, Karachi

Schedule of Items

Section SOI-1

#	Item Description	Unit	Quantity	Unit Rate	Amount	Percentage Breakup of Quoted Cost				
				(Rupees)	(Rupees)	Designing	Providing/ Delivery at Site	Constructing	Installing	Testing / Commissioning
	handrails, safety mechanisms, electric cables & conduits, all jointing, fixing & installation accessories, all painting & coatings and a complete set of special tools, test equipment & spare parts, complete in all respects, in accordance with the Contract.									
a)	Air Blowers	JOB	LS							
b)	Coarse Bubble Air Diffusers	JOB	LS							
4.6	Designing, providing, installing, testing and commissioning all the Raw Wastewater Pumps (Dry mounted, solids-handling, centrifugal type) in existing wastewater pumping station, including, but may not be limited to, the pumps, motors, motor starters, shafts, automatic liquid level controlled switching devices, support base/frame, pressure gauges, all jointing, fixing & installation accessories, all painting & coatings and a complete set of special tools, test equipment & spare parts, complete in all respects, in accordance with the Contract	JOB	LS							
4.7	Designing, providing, installing, testing and commissioning all the Bilge Pumps (submersible, solids-handling, centrifugal type) in existing wastewater pumping station, including, but may not be limited to, the pumps, motors, motor starters, automatic liquid level-controlled switching devices, support base/frames, all jointing, fixing & installation accessories, all painting & coatings and a complete set of special tools, test equipment & spare parts, complete in all respects, in accordance with the Contract	JOB	LS							
4.8	Designing, providing, installing, testing and commissioning the Aeration System, including, but may not be limited to, the pumps, motors, motor starters, support base/frames, all jointing, fixing & installation accessories, all painting & coatings and a complete set of special tools, test equipment & spare parts, complete in all respects, in accordance with the Contract:									
a)	Air Blowers	JOB	LS							
b)	Fine Bubble Air Diffusers	JOB	LS							
4.9	Designing, providing, installing, testing and commissioning the sludge pumps (horizontal, solids-handling, centrifugal type), including, but may not be limited to, the pumps, motors, motor starters, support base/frames, all jointing, fixing & installation accessories, all painting & coatings and a complete set of special tools, test equipment & spare parts, complete in all respects, in accordance with the Contract:									

Engineering, Procurement & Construction (EPC) Contract for Combined Effluent Treatment Plant for Korangi Industrial Area, Karachi

Schedule of Items

Section SOI-1

#	Item Description	Unit	Quantity	Unit Rate	Amount	Percentage Breakup of Quoted Cost				
				(Rupees)	(Rupees)	Designing	Providing/ Delivery at Site	Constructing	Installing	Testing / Commissioning
a)	All the Primary Sludge Pumps	JOB	LS							
b)	All the Secondary Sludge Pumps	JOB	LS							
c)	All the Thickened Sludge Pumps	JOB	LS							
4.10	Designing, providing, installing, testing and commissioning the Mechanical Sludge Scrapers, including, but may not be limited to, the bridge structure with decking & safety handrails, scraper blades & their support structures, support/bearing units, motors, gear boxes, motor starters, drive controls, safety mechanisms, electric cables & conduits, inlet drums, scum skimmers, scum collection boxes, scum outflow pipes & valved outlets, all jointing, fixing & installation accessories, all painting & coatings and a complete set of special tools, test equipment & spare parts, complete in all respects, in accordance with the Contract:									
a)	In all the Primary Settling Tanks	JOB	LS							
b)	In all the Secondary Settling Tanks	JOB	LS							
4.11	Designing, providing, installing, testing and commissioning all the Mechanical Sludge Scrapers in the Sludge Thickeners, including, but may not be limited to, the bridge structure with decking & safety handrails, scraper blades & their support structures, mixing pickets, support/bearing units, motors, gear boxes, motor starters, drive controls, safety mechanisms, electric cables & conduits, inlet drums, all jointing, fixing & installation accessories, all painting & coatings and a complete set of special tools, test equipment & spare parts, complete in all respects, in accordance with the Contract.	JOB	LS							
4.12	Designing, providing, installing, testing and commissioning all the On-line Real-time Wastewater Flow Meters in the Dry Well (Electromagnetic type) including, but may not be limited to, the electronic displays, and telemetry cables; all jointing, fixing & installation accessories, all painting & coatings and a complete set of special tools, test equipment & spare parts, complete in all respects, in accordance with the Contract	JOB	LS							
4.13	Designing, providing, installing, testing and commissioning Electrically-operated, Top-Running, Overhead Bridge Cranes including, but may not be limited to, all its moving components, motors, gear boxes, motor starters, drive controls, safety mechanisms, cables, cables collapsing mechanisms, operation-control equipment, and side rails; all jointing, fixing & installation accessories, all painting & coatings and a complete set of									

Engineering, Procurement & Construction (EPC) Contract for Combined Effluent Treatment Plant for Korangi Industrial Area, Karachi

Schedule of Items

Section SOI-1

#	Item Description	Unit	Quantity	Unit Rate	Amount	Percentage Breakup of Quoted Cost				
				(Rupees)	(Rupees)	Designing	Providing/ Delivery at Site	Constructing	Installing	Testing / Commissioning
	special tools, test equipment & spare parts, complete in all respects, in accordance with the Contract:									
a)	In the Pumping Station	JOB	LS							
b)	In the Electric Generator Building	JOB	LS							
4.14	Dismantling of existing mechanical equipment and safe shifting to location as specified by the Client with all allied accessories, complete in all respect and to the satisfaction of the Engineer.	JOB	LS							
5.	COMMISSIONING & TRIAL OPERATION OF THE WORKS									
5.1	Commissioning & Trial Operation of the Works, complete in all respects, in accordance with the Contract	JOB	LS							
	Total for Section SOI-1									
	(Carried to the Summary)									
6	Sludge Belt Filter Press (Optional)									
6.1	Designing, providing, installing, testing and commissioning the Sludge Belt Press, including, but may not be limited to, air compressor, washing pump, motors, motor starters, support base/frames, all jointing, fixing & installation accessories, all painting & coatings and a complete set of special tools, test equipment & spare parts, with provision of sludge conditioning complete in all respects, in accordance with the Contract.	JOB	LS							

Engineering, Procurement & Construction (EPC) Contract for Combined Effluent Treatment Plant for Korangi Industrial Area, Karachi					
Operation Service for the Works (for specified Operation Service period)					
Section SOQ-2					
#	Item Description	Unit	Quantity	Unit Rate	Amount
				(Rupees)	(Rupees)
1.	Providing Operation Service for the Works, for specified Operation Service period of 03 years, complete in all respects, in accordance with the Contract (excluding charges for electricity to be borne directly by the Employer).	JOB	LS		
	Total for Section SOQ-2				
	(Carried to Summary)				

Engineering, Procurement & Construction (EPC) Contract for Combined Effluent Treatment Plant for Korangi Industrial Area, Karachi					
Existing Equipment Repair (Optional)					
Section SOQ-3					
#	Equipment Description	Unit	Quantity	Unit Rate	Amount
				(Rupees)	(Rupees)
1.					
2.					
3.					
4.					
5.					
	Total for Section SOQ-3				
	(Carried to Summary)				

Appendix– L to Financial Bid

Integrity Pact

[To be filled and signed by the Bidder]

**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 Bidder] 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 Bidder] 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 Bidder] 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 Bidder] 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 GoP in this regard, [name of Supplier] agrees to indemnify GoP for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to GoP 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 GoP.

Name of Employer:

Name of Bidder:

Signature:

Signature:

(Seal)

(Seal)