

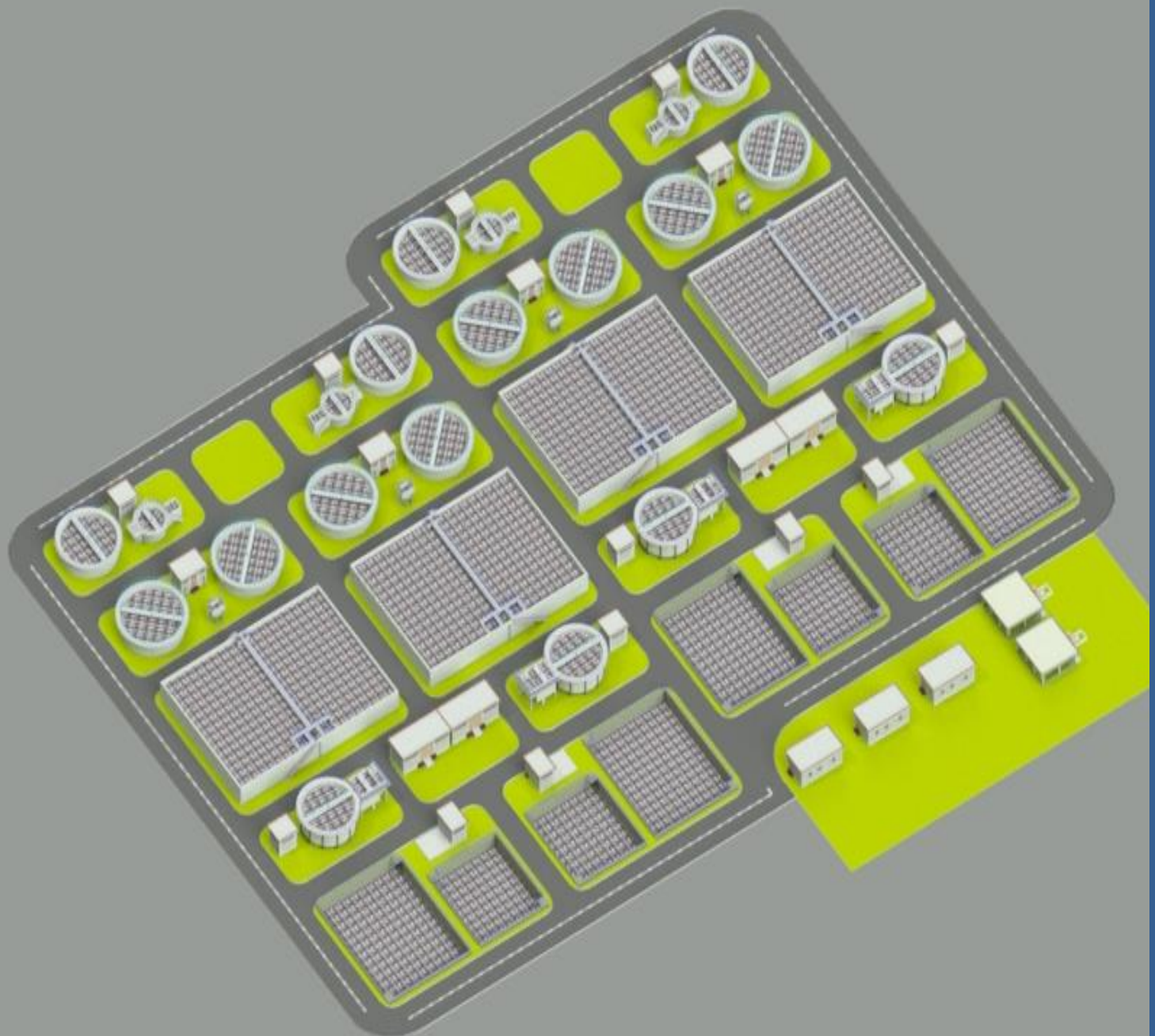


Project: “Mainstreaming Climate Change
Adaptation through Water Resource Management
in Leather Industrial Zone Development”
(GEF ID 5666; SAP ID 150052)

“Common Effluent Treatment Plant for
Sialkot Tannery Zone”

June 09, 2021

Electro-Mechanical Financial Bids Evaluation Report and Recommendation for award of Contract





Project:

**“Mainstreaming Climate Change Adaptation through Water
Resource Management in Leather Industrial Zone
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(GEF ID 5666; SAP ID 150052)**

Common Effluent Treatment Plant

**For
Sialkot Tannery Zone**

***Electro-Mechanical Financial Bids Evaluation Report and
Recommendation for award of Contract***

June 09, 2021

A project of:

**United Nations Industrial Development Organization
(UNIDO)**

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1. BIDDING DETAILS

The Bidding details are provided in **Table 1** below.

Table 1: Bidding Details

Name of Employer	Sialkot Tannery Association (Guarantee) Limited
Name of Contract	Common Effluent Treatment Plant for Sialkot Tannery Zone
Contract Description	Construction of Common Effluent Treatment Plant including Mechanical and Electrical Works
Method of Procurement	Single Stage One Envelope

2. BID SUBMISSION

Five (05) Bidders submitted the Bidding Documents before the deadline for submission of Bids. No amendment to Bidding Document is issued. The list of Bidders is provided in **Table 2** below.

Table 2: List of Bidders

S.No.	Name of Bidders
1	M/S 3W Systems (Pvt.) Ltd. and Solutions Engineering (Pvt.) Ltd.
2	M/S Orient Water Technologies and Zahir Khan Brothers
3	M/S KSB Pumps Limited
4	M/S ICC and AMV
5	M/S Water World International and Kaim Khani & Brothers

3. FINANCIAL BIDS OPENING

After Evaluation of Technical Bids, following three (03) Bidders qualifies the technical evaluation and their Financial Bids were opened in accordance with ITB Clause 23 in the presence of the bidders' representatives and others who chose to attend at STAGL Office on 10th March 2021.

The Speak out prices of the Bidders are presented in **Table 3** below;

Table 3: Speak out Price of Bidders

Bidders	Speak out Price	
	Imported Items in USD	Local Items in PKR
M/s KSB Pumps Company Limited	3,721,167.00	270,982,365.00
M/s ICC – AMV	4,735,228.00	124,933,004.00
M/s 3W Systems (Pvt.) Ltd. and Solutions Engineering (Pvt.) Ltd.	2,799,212.46	112,158,786.00

4. DETAILED EXAMINATION OF FINANCIAL BIDS

During the Evaluation of Bids, queries were raised by the Client for the clarifications as mentioned in the **Table 4** below;

Table 4: Queries Raised By the Client

Table 4a: M/s KSB Pumps Company Limited

KSB Pumps Company Limited						
#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
1	MECHANICAL COARSE SCREENS (BRUSH TYPE)					
	Providing, installing, testing & commissioning of Mechanical Coarse Screens (MCS01/01-02) brush type for Beam House effluent, including all accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	21.000%	17.000%			
	Providing, installing, testing & commissioning of Mechanical Coarse Screens (MCS02/01-02) brush type for Tan House effluent, including, all accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	21.000%	17.000%			
	Providing, installing, testing & commissioning of Screen Washer (SW01/01-04) for beam hosue and tan house screenings, including all accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	21.000%	17.000%			
	Providing, installing, testing & commissioning of FRP Container 1.1-1.5 m3 (FC03/01-04) for Tan House and Beam House screening, two each respectively, including, all accessories required for installation and operation, complete in all respects, in accordance with the contract documents.				17.000%	
	Comments	The applicable HS code on equipments used for purification of water is 8421.2100. As per the S.R.O 670(I)/2019	Sales Tax is 17% with additional 3% on commercial importers.	WHT not considered.	Sales Tax not considered for all components	WHT not considered.

KSB Pumps Company Limited						
#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
		custom duty on such equipments is 16%. Additional custom duty of 4% on imported goods is increased as per S.R.O 572(I)/2020. The Bidder shall increase custom duty to 20%.	Sales Tax on imported items shall not be less than 20%			
2	VORTEX GRIT CHAMBER					
	Providing, installing, testing & commissioning of Vortex Grit Chamber with Classifier (GC01/01-02) for Beam House effluent, including all piping and other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	21.000%	17.000%			
	Providing, installing, testing & commissioning of Vortex Grit Chamber with Classifier (GC02/01-02) for Tan House effluent, including, all piping and other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	21.000%	17.000%			
	Providing, installing, testing & commissioning of FRP Container 5-7 m3 (FC01/01-05) for Tan House and Beam House wastewater grit, including, all accessories required for installation and operation, complete in all respects, in accordance with the contract documents.				17.000%	
	Providing, testing & commissioning of Fork Lifter (FL01/01-02) for all type of lifting of containers either chemical or others, including, all accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	0.000%	18.700%			
	Comments	The applicable HS code on equipments used for purification of water is 8421.2100. As per the S.R.O 670(I)/2019 custom duty on such equipments is	Sales Tax is 17% with additional 3% on commercial importers. Sales Tax	WHT not considered.	Sales Tax not considered for all components	WHT not considered.

KSB Pumps Company Limited						
#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
		16%. Additional custom duty of 4% on imported goods is increased as per S.R.O 572(I)/2020. The Bidder shall consider custom duty to 20%. Except Fork Lift.	on imported items shall not be less than 20%			
3	WASTEWATER PUMPS					
	Providing, installing, testing & commissioning of Wastewater Pump (WPS) (WSP01/01-02) in Wastewater Pumping Station (WPS) for Beam House effluent with VFDs, including all piping and other accessories required inside pumping station for installation and operation, complete in all respects, in accordance with the contract documents.				17.000%	
	Providing, installing, testing & commissioning of Wastewater Pump (WSP) (WSP02/01-02) in Wastewater Pumping Station (WPS) for Tanning and Post tanning effluent with VFDs, including, all piping and other accessories required inside pumping station for installation and operation, complete in all respects, in accordance with the contract documents.				17.000%	
	Providing, installing, testing & commissioning of Submersible Sump Pumps (Bilge Pump SBP01/01-08)1+1 standby in each Wastewater Pumping Station (WPS) and 1+1 standby in each sludge pumping rooms, including pump-motor set, pump base, anchor bolts, painting/coatings and other accessories, complete in all respects, in accordance with the contract documents.	0.000%	17.008%		17.000%	
	Providing, installing, testing & commissioning of Gantry Crane (GC01/01) in each Wastewater Pumping Station (WPS) including all accessories, complete in all respects, in accordance with the contract documents.	0.000%	17.000%			

KSB Pumps Company Limited						
#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	Comments	The applicable HS code on equipments used for horizontal centrifugal pumps is 8413.7090. As per the S.R.O 670(I)/2019 custom duty on such equipments is 20%. Additional custom duty of 7% on imported goods is increased as per S.R.O 572(I)/2020. The Bidder shall increase custom duty to 27%. For Submersible Pumps HS code is 8413.7010. Custom duty including additional custom duty is 5%	Sales Tax is 17% with additional 3% on commercial importers. Sales Tax on imported items shall not be less than 20%	WHT not considered.		WHT not considered.
4	SELF ASPIRATING JET AERATORS FOR EQUALIZATION TANKS					
	Providing, installing, testing & commissioning of Jet Aerators Submersible Ejector shaft (Self Aspirating) type (JA01/01-02) in Equalization tank for Beam House effluent, including all accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	21.000%	17.001%			
	Providing, installing, testing & commissioning of Jet Aerators Submersible Ejector shaft (Self Aspirating) type (JA02/01-02) in Equalization tank for Tanning & Post Tanning effluent, including, all accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	21.000%	17.001%			
	Comments	The applicable HS code on equipments used for purification of water is 8421.2100. As per the S.R.O 670(I)/2019 custom duty on such equipments is 16%. Additional custom duty of 4% on imported goods is increased as per	Sales Tax is 17% with additional 3% on commercial importers. Sales Tax on imported items shall not be less	WHT not	Sales Tax not considered for all components	WHT not

KSB Pumps Company Limited						
#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
		S.R.O 572(I)/2020. The Bidder shall consider custom duty to 20%.	than 20%			
5	TURBINE AND PADDLE MIXERS					
	Providing, installing, testing & commissioning of Mixer (MRMT01/01) for Rapid Mixing Tank, including MS Walkway and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	21.001%	17.000%			
	Providing, installing, testing & commissioning of Mixer (MFT01/01) for Flocculation Tank, including MS Walkway and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	21.000%	17.000%			
	Providing, installing, testing & commissioning of Mixer (MPT01/01-02) for Pre-Selector Tank, including MS Walkway and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	21.000%	17.000%			
	Providing, installing, testing & commissioning of Mixer (MCOT01/01) for Chemical Oxidation Tank, including MS Walkway and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	21.000%	17.000%			
	Providing, installing, testing & commissioning of Mixer (MCDT01/01-04) for Chemical Dosing Tanks, including all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	21.001%	17.006%			

KSB Pumps Company Limited						
#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	Comments	The applicable HS code on mixers and agitators is 8479.8200. As per the S.R.O 670(I)/2019 custom duty on such equipments is 0%. Additional custom duty of 2% on imported goods is increased as per S.R.O 572(I)/2020. The Bidder shall reduce custom duty to 2%.	Sales Tax is 17% with additional 3% on commercial importers. Sales Tax on imported items shall not be less than 20%	WHT not considered.	Sales Tax not considered for all components	WHT not considered.
6	SLUDGE SCRAPERS					
	Providing, installing, testing & commissioning of primary sedimentation tank sludge Scraper (PSCR 01/01) (Centrally Driven, Diametral Type with scum removal mechanism), including MS Bridge and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	21.000%	17.000%			
	Providing, installing, testing & commissioning of secondary sedimentation tank sludge Scraper (SSCR 01/01-02) (Centrally Driven, Diametral Type with scum removal mechanism), including MS Bridge and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	21.000%	17.000%			
	Providing, installing, testing & commissioning of picket fence sludge Scraper (TSCR 01/01) (Centrally Driven Rotating Full- Bridge Type Picket Fence Sludge Scraper with scum removal mechanism), including MS Bridge and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	21.000%	17.000%			

KSB Pumps Company Limited						
#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	Comments		Sales Tax is 17% with additional 3% on commercial importers. Sales Tax on imported items shall not be less than 20%	WHT not considered.	Sales Tax not considered for all components	WHT not considered.
7	JET AERATION SYSTEM FOR AERATION TANKS					
	Providing, installing, testing & commissioning of Jet Aeration System comprising of jet aerators, air blowers and recirculation pumps for Aeration Tank, including piping and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.					
	Jet Aerators	21.000%	17.000%			
	Air Blowers with VFDs	21.000%	17.000%			
	<i>Recirculation Pumps with VFDs</i>				17.000%	
	Comments	The applicable HS code on equipments used for horizontal centrifugal pumps is 8413.7090. As per the S.R.O 670(I)/2019 custom duty on such equipments is 20%. Additional custom duty of 7% on imported goods is increased as per S.R.O 572(I)/2020. The Bidder shall increase custom duty to 27%. For Air Blowers HS code is 8414.5910. Custom duty including additional custom duty is 27%	Sales Tax is 17% with additional 3% on commercial importers. Sales Tax on imported items shall not be less than 20%	WHT not considered.		WHT not considered.
8	SLUDGE PUMPS					
	Providing, installing, testing & commissioning of Primary Sludge Pump (PSP01/01-02) in Primary Sludge				17.000%	

KSB Pumps Company Limited						
#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	Pumping Station (PSPS), including pump-motor set, pump base, anchor bolts, pulsation dampers with pressure gauges & pressure sensors (on suction & delivery sides), over pressure and dry run switches, including piping and all other accessories required inside pumping station for installation and operation, complete in all respects, in accordance with the contract documents.					
	Providing, installing, testing & commissioning of Secondary Sludge Pump (SSP01/01-04) in Secondary Sludge Pumping Station, including pump-motor set, pump base, anchor bolts, pulsation dampers with pressure gauges & pressure sensors (on suction & delivery sides), over pressure and dry run switches, including all piping and other accessories required inside pumping station for installation, complete in all respects, in accordance with the contract documents.				17.000%	
	Providing, installing, testing & commissioning of Thickened Sludge Pump (TSP01/01-02) in Thickened Sludge Pumping Station, including pump-motor set, pump base, anchor bolts, pulsation dampers with pressure gauges & pressure sensors (on suction & delivery sides), over pressure and dry run switches, including all piping and other accessories required inside pumping station for installation, complete in all respects, in accordance with the contract documents.				17.000%	
	Comments	The applicable HS code on equipments used for horizontal centrifugal pumps is 8413.7090. As per the S.R.O 670(I)/2019 custom duty on such	Sales Tax is 17% with additional 3% on commercial importers. Sales Tax	WHT not considered.		WHT not considered.

KSB Pumps Company Limited						
#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
		equipments is 20%. Additional custom duty of 7% on imported goods is increased as per S.R.O 572(I)/2020. The Bidder shall increase custom duty to 27%.	on imported items shall not be less than 20%			
9	SLUDGE BELT FILTER PRESS					
	Providing, installing, testing & commissioning of Sludge Filter Press (SFP01), including foundation, anchor bolts, painting/coatings and other accessories, with wash water pump, air compressor including anchor bolts, pulsation dampers and other accessories, including piping and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	0.000%	20.570%			
	Providing, installing, testing & commissioning of FRP Container 5 m3 (FC01/01-04) for dewatered sludge, including, all accessories required for installation and operation, complete in all respects, in accordance with the contract documents.				17.000%	
	Providing, installing, testing & commissioning of Ventilation System (VS01) for Sludge Belt Press Room, Wastewater Pumping Station, All Sludge Pumping Rooms and Chemical Storage Area, including, all accessories required for installation and operation, complete in all respects, in accordance with the contract documents.				17.000%	

KSB Pumps Company Limited						
#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	Providing, testing & commissioning of Hydrogen Sulphide Detection Equipment (HSD01/01-02) for Sludge Belt Press Room and Coarse Screen Area including, all accessories required for installation and operation, complete in all respects, in accordance with the contract documents.				17.000%	
	Comments	The applicable HS code on equipments used for purification of water is 8421.2100. As per the S.R.O 670(I)/2019 custom duty on such equipments is 16%. Additional custom duty of 4% on imported goods is increased as per S.R.O 572(I)/2020. The Bidder shall increase custom duty to 20%.	Sales Tax is 17% with additional 3% on commercial importers. Sales Tax on imported items shall not be less than 20%	WHT not considered.	Sales Tax not considered for all components	WHT not considered.
10	CHEMICAL DOSING PUMPS					
	Providing, installing, testing & commissioning of Chemical Dosing Pumps (DP01) for K-Polymer Dosing Tank, including piping and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	20.999%	17.000%			
	Providing, installing, testing & commissioning of Chemical Dosing Pumps (DP02) for A-Polymer Dosing Tank, including piping and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	21.001%	17.000%			
	Providing, installing, testing & commissioning of Chemical Dosing Pumps (DP03) for Alum Dosing Tank, including piping and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	21.001%	17.000%			

KSB Pumps Company Limited						
#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	Providing, installing, testing & commissioning of Chemical Dosing Pumps (DP04) for Hydrogen Peroxide Dosing Tank, including piping and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	21.001%	17.000%			
	Providing, installing, testing & commissioning of Chemical Dosing Pumps (DP05) for Ferric Chloride Dosing Tank, including piping and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	21.007%	17.000%			
	Providing, installing, testing & commissioning of Chemical Dosing Pumps (DP06) for Manganese Sulphate Dosing Tank, including piping and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	21.001%	17.000%			
	Providing, installing, testing & commissioning of Chemical Dosing Pumps (DP07) for Sodium Hydroxide Dosing Tank, including piping and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	21.001%	17.006%			
	Providing, installing, testing & commissioning of Chemical Dosing Pumps (DP08) for Hydrogen Chloride Dosing Tank (02 + 02 standby, one for pH control at Beam House equalization and other at Chemical Oxidation Tank), including piping and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	21.001%	17.006%			

KSB Pumps Company Limited						
#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	Comments	The applicable HS code on equipments used for horizontal centrifugal pumps is 8413.7090. As per the S.R.O 670(I)/2019 custom duty on such equipments is 20%. Additional custom duty of 7% on imported goods is increased as per S.R.O 572(I)/2020. The Bidder shall increase custom duty to 27%.	Sales Tax is 17% with additional 3% on commercial importers. Sales Tax on imported items shall not be less than 20%	WHT not considered.		WHT not considered.
11	DISSOLVED OXYGEN, FLOW METER, pH METER AND OTHER INSTRUMENTATION					
	Providing, installing, testing & commissioning of Dissolve Oxygen Meter (DO01) for Equalization tank for Beam House and Aeration Tank, including all accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	21.001%	17.006%			
	Providing, installing, testing & commissioning of pH Meter (pH01), including all accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	20.992%	16.960%			
	Providing, installing, testing & commissioning of Wastewater Flow Meters (WFM01/01-02), including all jointing and anchoring material complete in all respects in accordance with the contract documents	9.999%	16.990%			
	Providing, installing, testing & commissioning of Sludge Flow Meters (SFM01/01-04), including all jointing and anchoring material complete in all respects, in accordance with the contract documents	10.001%	17.006%			

KSB Pumps Company Limited						
#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	Providing, installing, testing & commissioning of Automatic Wastewater Sampler (AS01/01-02), including all jointing and anchoring material complete in all respects, in accordance with the contract documents	10.000%	16.998%			
	Providing, testing & commissioning of Portable TDS Meter, complete in all respects, in accordance with the contract documents	10.000%	16.998%			
	Providing, testing & commissioning of Portable Dissolved Oxygen Meter, complete in all respects, in accordance with the contract documents	9.999%	16.999%			
	Providing, testing & commissioning of Portable Portable Infrared Termometer (IT01), complete in all respects, in accordance with the contract documents	10.000%	16.998%			
	Providing, testing & commissioning of Toxic Gas Detector / Air Quality Meter & Monitor (TGD01), complete in all respects, in accordance with the contract documents				17.000%	
	Providing, testing & commissioning of Digital Measuring Scale (BMS01), complete in all respects, in accordance with the contract documents	10.003%	17.030%			
	Comments	The applicable HS code for micrometers is 9027.9000. As per the S.R.O 670(I)/2019 custom duty on such equipments is 3%. Additional custom duty of 2% on imported goods is increased as per S.R.O 572(I)/2020. The Bidder shall increase custom duty to 5%.	Sales Tax is 17% with additional 3% on commercial importers. Sales Tax on imported items shall not be less than 20%	WHT not considered.		WHT not considered.

KSB Pumps Company Limited						
#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
12	LABORATORY EQUIPMENT FOR WASTEWATER ANALYSIS					
	Supply, installation and commissioning of Analytical Balance (AB01/01), including all accessories required for installation and operation, complete in all respects, in accordance with the provided specifications.	9.998%	16.992%			
	Supply, installation and commissioning of Water Distillation Apparatus (Water Still) (WD01/01), including all accessories required for installation and operation, complete in all respects, in accordance with the provided specifications.	10.000%	17.000%		17.000%	
	Supply, installation and commissioning of Thermometer (TH01/02), including all accessories required for installation and operation, complete in all respects, in accordance with the provided specifications.	10.000%	17.000%			
	Supply, installation and commissioning of Vacuum Pump (VP01/01), including all accessories required for installation and operation, complete in all respects, in accordance with the provided specifications.	20.999%	17.000%			
	Supply, installation and commissioning of Hot Plate Stirrer (Magnetic) (HP01/02), including all accessories required for installation and operation, complete in all respects, in accordance with the provided specifications.	10.001%	17.030%		17.000%	
	Supply, installation and commissioning of Drying Oven (DO01/01), including all accessories required for installation and operation, complete in all respects, in accordance with the provided specifications.	20.997%	16.996%			

KSB Pumps Company Limited						
#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	Supply, installation and commissioning of pH Meter (Portable) (PH01/02), including all accessories required for installation and operation, complete in all respects, in accordance with the provided specifications.	9.996%	17.010%			
	Supply, installation and commissioning of COD Reactor (CD01/01), including all accessories required for installation and operation, complete in all respects, in accordance with the provided specifications.	9.999%	17.000%			
	Supply, installation and commissioning of BOD Reactor (BD01/01), including all accessories required for installation and operation, complete in all respects, in accordance with the provided specifications.	10.000%	17.000%			
	Supply, installation and commissioning of Incubator (IT01/01), including all accessories required for installation and operation, complete in all respects, in accordance with the provided specifications.	10.001%	17.000%			
	Supply, installation and commissioning of Spectrophotometer (Visible) (SPM01/01), including all accessories required for installation and operation, complete in all respects, in accordance with the provided specifications.	10.000%	17.000%			
	Comments	The applicable HS code for laboratory equipment is 8419.8990. As per the S.R.O 670(I)/2019 custom duty on such equipments is 20%. Additional custom duty of 7% on imported goods is increased as per S.R.O 572(I)/2020. The Bidder shall increase custom duty to 27%.	Sales Tax is 17% with additional 3% on commercial importers. Sales Tax on imported items shall not be less than 20%	WHT not considered.		WHT not considered.

KSB Pumps Company Limited						
#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
13	LABORATORY GLASSWARE AND MINOR ITEMS					
	Supply of Aluminium Weighing Dish, including all accessories required for operation, complete in all respects, in accordance with the following specifications.				16.771%	
	Size: 57mm					
	Make: Local					
	Supply of Beaker, including all accessories required for operation, complete in all respects, in accordance with the following specifications.				17.000%	
	Size: 250 ml, Plastic (Electrode Washing)					
	Make: AZLON					
	Supply of Beaker, including all accessories required for operation, complete in all respects, in accordance with the following specifications.				17.000%	
	Size: 250 ml					
	Make: PYREX					
	Supply of China Dish, including all accessories required for operation, complete in all respects, in accordance with the following specifications.				17.000%	
	Size: 100 cc					
	Make: China					
	Supply of China Dish, including all accessories required for operation, complete in all respects, in accordance with the following specifications.				17.000%	
	Size: 250 cc					
	Make: China					
	Supply of Container, including all accessories required for operation, complete in all respects, in accordance with the following specifications.				17.000%	
	Size: 100 ml, Plastic					
	Make: Local					

KSB Pumps Company Limited						
#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	Supply of Cylinder, including all accessories required for operation, complete in all respects, in accordance with the following specifications.				17.000%	
	Size: 25 ml					
	Make: PYREX					
	Supply of Cylinder, including all accessories required for operation, complete in all respects, in accordance with the following specifications.				17.000%	
	Size: 50 ml					
	Make: PYREX					
	Supply of Cylinder, including all accessories required for operation, complete in all respects, in accordance with the following specifications.				17.000%	
	Size: 100 ml					
	Make: PYREX					
	Supply of Dassicator (Vaccum), including all accessories required for operation, complete in all respects, in accordance with the following specifications.				17.000%	
	Size: 300 mm					
	Make: Germany					
	Supply of Filtration Apparatus with Receiving Flask, including all accessories required for operation, complete in all respects, in accordance with the following specifications.				17.000%	
	Size: 1 Liter					
	Make: SHORT DURAN					
	Supply of Flask (Volumetric), including all accessories required for operation, complete in all respects, in accordance with the following specifications.				17.000%	

KSB Pumps Company Limited						
#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	Size: 25 ml					
	Make: PYREX					
	Supply of Flask (Volumetric), including all accessories required for operation, complete in all respects, in accordance with the following specifications.				17.000%	
	Size: 50 ml					
	Make: PYREX					
	Supply of Flask (Volumetric), including all accessories required for operation, complete in all respects, in accordance with the following specifications.				17.000%	
	Size: 100 ml					
	Make: PYREX					
	Supply of Funnel, including all accessories required for operation, complete in all respects, in accordance with the following specifications.				17.000%	
	Size: 75 mm					
	Make: PYREX					
	Supply of IMHOFF Cone, including all accessories required for operation, complete in all respects, in accordance with the following specifications.				17.000%	
	Size: 1 Liter, Plastic					
	Make: SHORT DURAN					
	Supply of Magnetic Stirrer, including all accessories required for operation, complete in all respects, in accordance with the following specifications.				17.000%	
	Size: 40 mm, Teflon Coated					
	Make: Local					
	Supply of Mortar & Pestles (Ceramic), including all accessories				17.000%	

KSB Pumps Company Limited						
#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	required for operation, complete in all respects, in accordance with the following specifications.					
	Make: Local					
	Supply of Pipette, including all accessories required for operation, complete in all respects, in accordance with the following specifications.				17.000%	
	Size: 2 ml Graduated					
	Make: PYREX – A Class					
	Supply of Pipette, including all accessories required for operation, complete in all respects, in accordance with the following specifications.				17.000%	
	Size: 5 ml Graduated					
	Make: PYREX – A Class					
	Supply of Pipette, including all accessories required for operation, complete in all respects, in accordance with the following specifications.				17.000%	
	Size: 10 ml Graduated					
	Make: PYREX – A Class					
	Supply of Pipette Wide Bore (4 mm), including all accessories required for operation, complete in all respects, in accordance with the following specifications.				17.000%	
	Size: 10 ml Graduated					
	Make: PYREX – A Class					
	Supply of Pipette Sucker/Filler (Rubber), including all accessories required for operation, complete in all respects, in accordance with the following specifications.				17.000%	
	Make: France or Germany					
	Supply of Rack for Pipettes (Plastic), including all accessories				17.000%	

KSB Pumps Company Limited						
#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	required for operation, complete in all respects, in accordance with the following specifications.					
	Make: Local					
	Supply of Spatula, including all accessories required for operation, complete in all respects, in accordance with the following specifications.				17.000%	
	Make: Local					
	Supply of Specific Gravity Bottle, including all accessories required for operation, complete in all respects, in accordance with the following specifications.				17.000%	
	Size: 25 ml					
	Make: MBL, UK					
	Supply of Stand with Clamps (Iron), including all accessories required for operation, complete in all respects, in accordance with the following specifications.				17.000%	
	Make: Local					
	Supply of Tong and Forceps, including all accessories required for operation, complete in all respects, in accordance with the following specifications.				17.000%	
	Make: Local					
	Supply of Washing Bottle, including all accessories required for operation, complete in all respects, in accordance with the following specifications.				17.000%	
	Size: 500 ml, Plastic					
	Make: Germany					
	Supply of Watch Glass, including all accessories required for operation, complete in all respects, in accordance				17.000%	

KSB Pumps Company Limited						
#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	with the following specifications.					
	Make: Local					
	Comments					WHT not considered
14	LABORATORY CHMICALS (INITIAL INVANTORY)					
	Supply of Buffer Solution 4 for calibration of pH meter, complete in all respects, in accordance with the following specifications.				17.000%	
	Make: MERCK, RDH or SIGMA					
	Supply of Buffer Solution 7 for calibration of pH meter, complete in all respects, in accordance with the following specifications.				17.000%	
	Make: MERCK, RDH or SIGMA					
	Supply of Buffer Solution 10 for calibration of pH meter, complete in all respects, in accordance with the following specifications.				17.000%	
	Make: MERCK, RDH or SIGMA					
	Supply of COD Reagent Vials (Range 0 – 1500), complete in all respects, in accordance with the following specifications.				17.001%	
	Make: MERCK or HACH					
	Supply of Filter Dics, complete in all respects, in accordance with the following specifications.				17.000%	
	Size: 47 mm, Glass Fiber					
	Make: WHATMAN					
	Supply of Filter Paper Sheet, complete in all respects, in accordance with the following specifications.				17.000%	
	Make: Local					
	Supply of Hydrochloric Acid (Commercial Grade), complete in all				17.000%	

KSB Pumps Company Limited						
#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	respects, in accordance with the following specifications.					
	Make: Local					
	Supply of Silica Gel, complete in all respects, in accordance with the following specifications.				17.000%	
	Make: MERCK, RDH or SIGMA					
	Supply of Standard Solution with COD of 1000 mg/l, complete in all respects, in accordance with the following specifications.				17.000%	
	Make: MERCK or HACH					
	Comments					WHT not considered
15	PIPES AND FITTINGS					
	Supply, Installation, testing & commissioning of MS Pipe (Schedule 40) including butterfly valves, tees, elbows, flanged joints, reducers, rubber gaskets, nuts and bolts including fixing the pipe with suitable flat iron strip clamps/bracket, painting etc. complete as required for delivery/suction manifold relating to the pumps, including all accessories required for installation and operation, complete in all respects, in accordance with the contract documents and as directed by the Engineer.					
	DN150				17.000%	
	DN 200				17.000%	
	DN 300				17.000%	
	Comments					WHT not considered.
16	SLUICE GATES					
	Providing, fabricating and installing (SS 316L) hand operated mechanical sluice					

KSB Pumps Company Limited						
#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	gates, including SS 316L angle frame, shaft and wheel, fixing and anchoring materials complete in all respects, as per contract documents, Drawings and as directed by the Engineer.					
	600 mm (width) x 2000 mm (Height)	21.000%	17.000%			
	1100 mm (width) x 1500 mm (Height)	21.000%	17.000%			
	1100 mm (width) x 850 mm (Height)	21.000%	17.000%			
	Comments	The applicable HS code for pressure reducing valves is 8481.1000. As per the S.R.O 670(I)/2019 custom duty on such equipments is 11%. Additional custom duty of 2% on imported goods is increased as per S.R.O 572(I)/2020. The Bidder shall increase custom duty to 13%.	Sales Tax is 17% with additional 3% on commercial importers. Sales Tax on imported items shall not be less than 20%			WHT not considered.
17	ELECTRICAL WORKS					
	Following items of works (unless specifically stated otherwise) required for proper completion of each item as per specifications (Section-16 "General Provision for Electrical Works" shall be applicable to all BOQ items).					
	<u>DISTRIBUTION TRANSFORMER</u>					
	Following type of DRY type indoor distribution transformer.					
	a) 11/0.4 kV low losses, 3 phase, distribution transformer 1000 kVA,				17.000%	
	Spare parts for transformer as standard requirement					
	Comments					WHT not considered.
	<u>LOW VOLTAGE DIESEL GENERATOR (DG) SET</u>					
	Following are the Low Voltage Diesel generator Sets.					
	a) 600 kW				17.000%	

KSB Pumps Company Limited						
#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	Comments					WHT not considered.
	<u>L.T SWITCHBOARD</u>					
	Following are the L.V Switchboard.					
	a) SB-1 including 250 kVAR automatic cum manual PFI plant (6 stages).				17.000%	
	b) ESB-0				17.000%	
	Comments					WHT not considered.
	<u>MOTOR CONTROL CENTERS</u>					
	Following are the MCC-Panels.					
	a) MCC-Panel-1				17.000%	
	Comments					WHT not considered.
	<u>CONTROL PANELS</u>					
	Following are the equipment for SCADA Control Panel.					
	a) Power Supply					
	b) PLC					
	c) Backplane 1					
	d) Backplane Expander					
	e) Backplane Expander Cable (1 m)					
	f) Empty Module					
	g) Terminal Strip 40 Points					
	h) Communication Module					
	i) Discrete input Module					
	j) Analoge input Module					
	k) Discrete output Module					
	l) Analoge output Module					
	m) EGX-100 GATEWAY					
	n) Power Supply					
	o) Ethernet Switch(Ethernet Managed Switch 6TX/2FX Multi-mode)					
	p) Ethernet Switch(Ethernet Managed					

KSB Pumps Company Limited						
#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	Switch 2TX/2FX Multi-mode)					
	q) Patch Panel					
	r) Patch cord					
	s) Relays					
	t) PC Vue(single station) with SQL Server and Dream Repor					
	u) SQL Server					
	Battery backup Panels.					
	Comments					WHT not considered.
	<u>LIGHT FIXTURES</u>					
	Following type of Philips make or approved equivalent Light Fixtures.					
	a) Philips make BGP 762 LED 149-/740 I DM50 DGR 32-48 complete in all respects.				17.000%	
	b) Philips make Tempo LED Flood Light BVP163 LED220/CW 220W 220-240V SWB GM complete in all respects.				17.000%	
	Comments					WHT not considered.
	<u>LOW TENSION CABLES</u>					
	Laying and termination of following sizes LT Cables. Note: 1. sizes / length of cables are already provided at site, the successful bidder must try to maximum utilize these cables. 2. If, in case bidder's feels very essential to get some more / other cables then they can incorporate it in their electromechanical bid. 3. Client will not provide any cables other than mentioned above. It will be the responsibility of Electro-mechanical contractor to arrange any other cables					

KSB Pumps Company Limited						
#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	required. 4. The termination of all cables including conducts, cable trays, jointing, laying, accessories, etc, will be in scope of Electro-mechanical contractor.					
	a) 4 core 95 sq.mm Armoured PVC cable				17.000%	
	b) 4 core 16 sq.mm Armoured PVC cable				17.000%	
	c) 4 core 6 sq.mm Armoured PVC cable				17.000%	
	d) 4 core 4 sq.mm Armoured PVC cable				17.000%	
	e) 4 core 2.5 sq.mm Armoured PVC cable				17.000%	
	f) 4 core 1.5 sq.mm Armoured PVC cable				17.000%	
	g) 4 core 10 sq.mm Armoured PVC cable				17.000%	
	i) 12 core 1sq.mm Pvc Flexible cable				17.000%	
	j) 4 core 1sq.mm Pvc flexible cable				17.000%	
	k) 3core 0.75sq.mm PVC flexible cable				17.000%	
	l) 1-core 50sq.mm PVC as ECC.				17.000%	
	m) 1-core 25sq.mm PVC as ECC.				17.000%	
	n) 1-core 16sq.mm PVC as ECC.				17.000%	
	o) 1-core 10sq.mm PVC as ECC.				17.000%	
	p) 1-core 6sq.mm PVC as ECC.				17.000%	
	q) 1-core 4sq.mm PVC as ECC.				17.000%	
	Excavation & Backfilling including bedding in all kinds of soil upto any depth including disposal of surplus, excavated rejected material to designated place.					
	Comments					WHT not considered.
	<u>WIRING</u>					
	Following type of wiring of Road Light fixtures from all DB-EXT to 1st light pole					
	a) With 16sq.mm 4-C PVC/PVC cable in 32mm dia PVC conduit.				17.000%	
	b) With 10sq.mm 4-C PVC/PVC cable in 32mm dia PVC conduit.				17.000%	
	Following type of wiring of Road Light					

KSB Pumps Company Limited						
#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	fixtures from Light Pole to Light Pole					
	a) With 10sq.mm 4-C PVC/PVC cable in 32mm dia PVC conduit.				17.000%	
	b) With 10sq.mm 4-C PVC/PVC cable in 32mm dia PVC conduit.				17.000%	
	Comments					WHT not considered.
	<u>CONDUITS</u>					
	Following sizes of conduit					
	a) 32mm dia				17.000%	
	<u>MISCELLANEOUS ITEMS</u>					
	Following epoxy painted Imported tubular lighting columns					
	a) 9m high column having single arm				17.000%	
	Following size of RCC pipe.					
	a) 300mm dia				17.000%	
	RCC Handhole of internal dimensions 900 mm x 900 mm x 600 mm with heavy duty CI cover of 950 mm x 950 mm with frame.				17.000%	
	<u>L.T DISTRIBUTION BOARDS</u>					
	a) DB1- EXT				17.000%	
	b) DB2- EXT				17.000%	
	c) DB3- EXT				17.000%	
	Total					

Table 4b: M/s ICC - AMV

#	Description	ICC - AMV				
		Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
1	MECHANICAL COARSE SCREENS (BRUSH TYPE)					
	Providing, installing, testing & commissioning of Mechanical Coarse Screens (MCS01/01-02) brush type for Beam House effluent, including all accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	5.000%	20.000%	6.000%	15.000%	7.527%
	Providing, installing, testing & commissioning of Mechanical Coarse Screens (MCS02/01-02) brush type for Tan House effluent, including, all accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	5.000%	20.000%	6.000%	15.000%	7.527%
	Providing, installing, testing & commissioning of Screen Washer (SW01/01-04) for beam hosue and tan house screenings, including all accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	5.000%	20.000%	6.000%	15.000%	7.527%
	Providing, installing, testing & commissioning of FRP Container 1.1-1.5 m3 (FC03/01-04) for Tan House and Beam House screening, two each respectively, including, all accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	5.000%	20.000%	6.000%	15.008%	7.527%
	Comments	The applicable HS code on equipments used for purification of			Sales Tax on local items shall	WHT on Private Limited

ICC - AMV						
#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
		water is 8421.2100. As per the S.R.O 670(I)/2019 custom duty on such equipments is 16%. Additional custom duty of 4% on imported goods is increased as per S.R.O 572(I)/2020. The Bidder shall increase custom duty to 20%.			not be less than 17%	organizations is 5.5% and for proprietor is 6%
2	VORTEX GRIT CHAMBER					
	Providing, installing, testing & commissioning of Vortex Grit Chamber with Classifier (GC01/01-02) for Beam House effluent, including all piping and other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	20.000%	20.000%	6.000%	15.000%	7.527%
	Providing, installing, testing & commissioning of Vortex Grit Chamber with Classifier (GC02/01-02) for Tan House effluent, including, all piping and other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	20.000%	20.000%	6.000%	15.000%	7.527%
	Providing, installing, testing & commissioning of FRP Container 5-7 m3 (FC01/01-05) for Tan House and Beam House wastewater grit, including, all accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	20.000%	20.000%	6.000%	15.000%	7.528%

ICC - AMV						
#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	Providing, testing & commissioning of Fork Lifter (FL01/01-02) for all type of lifting of containers either chemical or others, including, all accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	2.000%	20.000%	6.000%	15.009%	7.527%
	Comments				Sales Tax on local items shall not be less than 17%	WHT on Private Limited organizations is 5.5% and for proprietor is 6%
3	WASTEWATER PUMPS					
	Providing, installing, testing & commissioning of Wastewater Pump (WPS) (WSP01/01-02) in Wastewater Pumping Station (WPS) for Beam House effluent with VFDs, including all piping and other accessories required inside pumping station for installation and operation, complete in all respects, in accordance with the contract documents.	27.000%	20.000%	6.000%	15.000%	7.527%
	Providing, installing, testing & commissioning of Wastewater Pump (WSP) (WSP02/01-02) in Wastewater Pumping Station (WPS) for Tanning and Post tanning effluent with VFDs, including, all piping and other accessories required inside pumping station for installation and operation, complete in all respects, in accordance with the contract documents.	27.000%	20.000%	6.000%	15.000%	7.527%
	Providing, installing, testing & commissioning of Submersible Sump	5.000%	20.000%	6.000%	15.000%	7.527%

ICC - AMV						
#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	Pumps (Bilge Pump SBP01/01-08)1+1 standby in each Wastewater Pumping Station (WPS) and 1+1 standby in each sludge pumping rooms, including pump-motor set, pump base, anchor bolts, painting/coatings and other accessories, complete in all respects, in accordance with the contract documents.					
	Providing, installing, testing & commissioning of Gantry Crane (GC01/01) in each Wastewater Pumping Station (WPS) including all accessories, complete in all respects, in accordance with the contract documents.	20.000%	20.000%	6.000%	15.000%	7.527%
	Comments				Sales Tax on local items shall not be less than 17%	WHT on Private Limited organizations is 5.5% and for proprietor is 6%
4	SELF ASPIRATING JET AERATORS FOR EQUALIZATION TANKS					
	Providing, installing, testing & commissioning of Jet Aerators Submersible Ejector shaft (Self Aspirating) type (JA01/01-02) in Equalization tank for Beam House effluent, including all accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	5.000%	20.000%	6.000%	15.000%	7.527%
	Providing, installing, testing & commissioning of Jet Aerators Submersible Ejector shaft (Self Aspirating) type (JA02/01-02)in	5.000%	20.000%	6.000%	15.000%	7.527%

ICC - AMV						
#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	Equalization tank for Tanning & Post Tanning effluent, including, all accessories required for installation and operation, complete in all respects, in accordance with the contract documents.					
	Comments	The applicable HS code on equipments used for purification of water is 8421.2100. As per the S.R.O 670(I)/2019 custom duty on such equipments is 16%. Additional custom duty of 4% on imported goods is increased as per S.R.O 572(I)/2020. The Bidder shall increase custom duty to 20%.			Sales Tax on local items shall not be less than 17%	WHT on Private Limited organizations is 5.5% and for proprietor is 6%
5	TURBINE AND PADDLE MIXERS					
	Providing, installing, testing & commissioning of Mixer (MRMT01/01) for Rapid Mixing Tank, including MS Walkway and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	31.000%	20.000%	6.000%	15.000%	7.528%
	Providing, installing, testing & commissioning of Mixer (MFT01/01) for Flocculation Tank, including MS Walkway and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	31.000%	20.000%	6.000%	15.001%	7.527%
	Providing, installing, testing & commissioning of Mixer (MPT01/01-02) for Pre-Selector Tank, including MS Walkway and all other accessories required for installation	31.000%	20.000%	6.000%	15.001%	7.527%

ICC - AMV						
#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	and operation, complete in all respects, in accordance with the contract documents.					
	Providing, installing, testing & commissioning of Mixer (MCOT01/01) for Chemical Oxidation Tank, including MS Walkway and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	31.000%	20.000%	6.000%	15.001%	7.527%
	Providing, installing, testing & commissioning of Mixer (MCDT01/01-04) for Chemical Dosing Tanks, including all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	31.000%	20.000%	6.000%	15.000%	7.528%
	Comments	The applicable HS code on mixers and agitators is 8479.8200. As per the S.R.O 670(I)/2019 custom duty on such equipments is 0%. Additional custom duty of 2% on imported goods is increased as per S.R.O 572(I)/2020. The Bidder shall reduce custom duty to 2%.			Sales Tax on local items shall not be less than 17%	WHT on Private Limited organizations is 5.5% and for proprietor is 6%
6	SLUDGE SCRAPERS					
	Providing, installing, testing & commissioning of primary sedimentation tank sludge Scraper (PSCR 01/01) (Centrally Driven, Diametral Type with scum removal mechanism), including MS Bridge and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	20.000%	20.000%	6.000%	15.000%	7.527%

ICC - AMV						
#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	Providing, installing, testing & commissioning of secondary sedimentation tank sludge Scraper (SSCR 01/01-02) (Centrally Driven, Diametral Type with scum removal mechanism), including MS Bridge and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	20.000%	20.000%	6.000%	15.000%	7.527%
	Providing, installing, testing & commissioning of picket fence sludge Scraper (TSCR 01/01) (Centrally Driven Rotating Full- Bridge Type Picket Fence Sludge Scraper with scum removal mechanism), including MS Bridge and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	20.000%	20.000%	6.000%	15.000%	7.527%
	Comments				Sales Tax on local items shall not be less than 17%	WHT on Private Limited organizations is 5.5% and for proprietor is 6%
7	JET AERATION SYSTEM FOR AERATION TANKS					
	Providing, installing, testing & commissioning of Jet Aeration System comprising of jet aerators, air blowers and recirculation pumps for Aeration Tank, including piping and all other accessories required for installation and operation, complete in all respects, in accordance with the					

ICC - AMV						
#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	contract documents.					
	Jet Aerators	27.000%	20.000%	6.000%	15.000%	7.527%
	Air Blowers with VFDs	27.000%	20.000%	6.000%	15.000%	7.527%
	Recirculation Pumps with VFDs	27.000%	20.000%	6.000%	15.000%	7.527%
	Comments				Sales Tax on local items shall not be less than 17%	WHT on Private Limited organizations is 5.5% and for proprietor is 6%
8	SLUDGE PUMPS					
	Providing, installing, testing & commissioning of Primary Sludge Pump (PSP01/01-02) in Primary Sludge Pumping Station (PSPS), including pump-motor set, pump base, anchor bolts, pulsation dampers with pressure gauges & pressure sensors (on suction & delivery sides), over pressure and dry run switches, including piping and all other accessories required inside pumping station for installation and operation, complete in all respects, in accordance with the contract documents.	27.000%	20.000%	6.000%	15.000%	7.527%
	Providing, installing, testing & commissioning of Secondary Sludge Pump (SSP01/01-04) in Secondary Sludge Pumping Station, including pump-motor set, pump base, anchor bolts, pulsation dampers with pressure gauges & pressure sensors (on suction & delivery sides), over pressure and dry run switches, including all piping and other accessories required inside pumping station for installation, complete in all respects, in accordance with the contract documents.	27.000%	20.000%	6.000%	15.000%	7.527%

ICC - AMV						
#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	Providing, installing, testing & commissioning of Thickened Sludge Pump (TSP01/01-02) in Thickened Sludge Pumping Station, including pump-motor set, pump base, anchor bolts, pulsation dampers with pressure gauges & pressure sensors (on suction & delivery sides), over pressure and dry run switches, including all piping and other accessories required inside pumping station for installation, complete in all respects, in accordance with the contract documents.	27.000%	20.000%	6.000%	15.000%	7.527%
	Comments				Sales Tax on local items shall not be less than 17%	WHT on Private Limited organizations is 5.5% and for proprietor is 6%
9	SLUDGE BELT FILTER PRESS					
	Providing, installing, testing & commissioning of Sludge Filter Press (SFP01), including foundation, anchor bolts, painting/coatings and other accessories, with wash water pump, air compressor including anchor bolts, pulsation dampers and other accessories, including piping and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	20.000%	20.000%	6.000%	15.000%	7.527%
	Providing, installing, testing & commissioning of FRP Container 5 m3 (FC01/01-04) for dewatered sludge, including, all accessories required for installation and operation, complete in all respects, in	20.000%	20.000%	6.000%	15.001%	7.527%

ICC - AMV						
#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	accordance with the contract documents.					
	Providing, installing, testing & commissioning of Ventilation System (VS01) for Sludge Belt Press Room, Wastewater Pumping Station, All Sludge Pumping Rooms and Chemical Storage Area, including, all accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	20.000%	20.000%	6.000%	15.000%	7.527%
	Providing, testing & commissioning of Hydrogen Sulphide Detection Equipment (HSD01/01-02) for Sludge Belt Press Room and Coarse Screen Area including, all accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	20.000%	20.000%	6.000%	15.009%	7.527%
	Comments				Sales Tax on local items shall not be less than 17%	WHT on Private Limited organizations is 5.5% and for proprietor is 6%
10	CHEMICAL DOSING PUMPS					
	Providing, installing, testing & commissioning of Chemical Dosing Pumps (DP01) for K-Polymer Dosing Tank, including piping and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	27.000%	20.000%	6.000%	15.000%	7.527%
	Providing, installing, testing & commissioning of Chemical Dosing	27.000%	20.000%	6.000%	15.000%	7.528%

ICC - AMV						
#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	Pumps (DP02) for A-Polymer Dosing Tank, including piping and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.					
	Providing, installing, testing & commissioning of Chemical Dosing Pumps (DP03) for Alum Dosing Tank, including piping and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	27.000%	20.000%	6.000%	15.000%	7.528%
	Providing, installing, testing & commissioning of Chemical Dosing Pumps (DP04) for Hydrogen Peroxide Dosing Tank, including piping and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	27.000%	20.000%	6.000%	15.000%	7.528%
	Providing, installing, testing & commissioning of Chemical Dosing Pumps (DP05) for Ferric Chloride Dosing Tank, including piping and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	27.000%	20.000%	6.000%	15.000%	7.528%
	Providing, installing, testing & commissioning of Chemical Dosing Pumps (DP06) for Manganese Sulphate Dosing Tank, including piping and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	27.000%	20.000%	6.000%	15.000%	7.528%

ICC - AMV						
#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	Providing, installing, testing & commissioning of Chemical Dosing Pumps (DP07) for Sodium Hydroxide Dosing Tank, including piping and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	27.000%	20.000%	6.000%	15.000%	7.528%
	Providing, installing, testing & commissioning of Chemical Dosing Pumps (DP08) for Hydrogen Chloride Dosing Tank (02 + 02 standby, one for pH control at Beam House equalization and other at Chemical Oxidation Tank), including piping and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	27.000%	20.000%	6.000%	15.000%	7.528%
	Comments				Sales Tax on local items shall not be less than 17%	WHT on Private Limited organizations is 5.5% and for proprietor is 6%
11	DISSOLVED OXYGEN, FLOW METER, pH METER AND OTHER INSTRUMENTATION					
	Providing, installing, testing & commissioning of Dissolve Oxygen Meter (DO01) for Equalization tank for Beam House and Aeration Tank, including all accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	5.000%	20.000%	6.000%	15.010%	7.527%

ICC - AMV						
#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	Providing, installing, testing & commissioning of pH Meter (pH01), including all accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	5.000%	20.000%	6.000%	15.008%	7.527%
	Providing, installing, testing & commissioning of Wastewater Flow Meters (WFM01/01-02), including all jointing and anchoring material complete in all respects in accordance with the contract documents	5.000%	20.000%	6.000%	15.001%	7.530%
	Providing, installing, testing & commissioning of Sludge Flow Meters (SFM01/01-04), including all jointing and anchoring material complete in all respects, in accordance with the contract documents	5.000%	20.000%	6.000%	15.002%	7.529%
	Providing, installing, testing & commissioning of Automatic Wastewater Sampler (AS01/01-02), including all jointing and anchoring material complete in all respects, in accordance with the contract documents	5.000%	20.000%	6.000%	15.002%	7.529%
	Providing, testing & commissioning of Portable TDS Meter, complete in all respects, in accordance with the contract documents	5.000%	20.000%	6.000%	15.044%	7.558%
	Providing, testing & commissioning of Portable Dissolved Oxygen Meter, complete in all respects, in accordance with the contract documents	5.000%	20.000%	6.000%	15.044%	7.558%
	Providing, testing & commissioning of Portable Portable Infrared Termometer (IT01), complete in all	5.000%	20.000%	6.000%	15.044%	7.558%

ICC - AMV						
#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	respects, in accordance with the contract documents					
	Providing, testing & commissioning of Toxic Gas Detector / Air Quality Meter & Monitor (TGD01), complete in all respects, in accordance with the contract documents	5.000%	20.000%	6.000%	15.005%	7.527%
	Providing, testing & commissioning of Digital Measuring Scale (BMS01), complete in all respects, in accordance with the contract documents	5.000%	20.000%	6.000%	15.044%	7.589%
	Comments				Sales Tax on local items shall not be less than 17%	WHT on Private Limited organizations is 5.5% and for proprietor is 6%
12	LABORATORY EQUIPMENT FOR WASTEWATER ANALYSIS					
	Supply, installation and commissioning of Analytical Balance (AB01/01), including all accessories required for installation and operation, complete in all respects, in accordance with the provided specifications.	27.000%	20.000%	6.000%	15.040%	7.589%
	Supply, installation and commissioning of Water Distillation Apparatus (Water Still) (WD01/01), including all accessories required for installation and operation, complete in all respects, in accordance with the provided specifications.	27.000%	20.000%	6.000%	15.040%	7.589%
	Supply, installation and commissioning of Thermometer (TH01/02), including all accessories required for installation and	27.000%	20.000%	6.000%	15.040%	7.589%

ICC - AMV						
#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	operation, complete in all respects, in accordance with the provided specifications.					
	Supply, installation and commissioning of Vacuum Pump (VP01/01), including all accessories required for installation and operation, complete in all respects, in accordance with the provided specifications.	27.000%	20.000%	6.000%	15.011%	7.527%
	Supply, installation and commissioning of Hot Plate Stirrer (Magnetic) (HP01/02), including all accessories required for installation and operation, complete in all respects, in accordance with the provided specifications.	27.000%	20.000%	6.000%	15.011%	7.527%
	Supply, installation and commissioning of Drying Oven (DO01/01), including all accessories required for installation and operation, complete in all respects, in accordance with the provided specifications.	27.000%	20.000%	6.000%	15.011%	7.527%
	Supply, installation and commissioning of pH Meter (Portable) (PH01/02), including all accessories required for installation and operation, complete in all respects, in accordance with the provided specifications.	27.000%	20.000%	6.000%	15.011%	7.527%
	Supply, installation and commissioning of COD Reactor (CD01/01), including all accessories required for installation and operation, complete in all respects, in accordance with the provided specifications.	27.000%	20.000%	6.000%	15.011%	7.527%

ICC - AMV						
#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	Supply, installation and commissioning of BOD Reactor (BD01/01), including all accessories required for installation and operation, complete in all respects, in accordance with the provided specifications.	27.000%	20.000%	6.000%	15.011%	7.527%
	Supply, installation and commissioning of Incubator (IT01/01), including all accessories required for installation and operation, complete in all respects, in accordance with the provided specifications.	27.000%	20.000%	6.000%	15.011%	7.527%
	Supply, installation and commissioning of Spectrophotometer (Visible) (SPM01/01), including all accessories required for installation and operation, complete in all respects, in accordance with the provided specifications.	27.000%	20.000%	6.000%	15.011%	7.527%
	Comments				Sales Tax on local items shall not be less than 17%	WHT on Private Limited organizations is 5.5% and for proprietor is 6%
13	LABORATORY GLASSWARE AND MINOR ITEMS					
	Supply of Aluminium Weighing Dish, including all accessories required for operation, complete in all respects, in accordance with the following specifications.	27.000%	20.000%	6.000%		
	Size: 57mm					
	Make: Local					
	Supply of Beaker, including all accessories required for operation,	27.000%	20.000%	6.000%		

ICC - AMV						
#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	complete in all respects, in accordance with the following specifications.					
	Size: 250 ml, Plastic (Electrode Washing)					
	Make: AZLON					
	Supply of Beaker, including all accessories required for operation, complete in all respects, in accordance with the following specifications.	27.000%	20.000%	6.000%		
	Size: 250 ml					
	Make: PYREX					
	Supply of China Dish, including all accessories required for operation, complete in all respects, in accordance with the following specifications.	27.070%	20.000%	6.000%		
	Size: 100 cc					
	Make: China					
	Supply of China Dish, including all accessories required for operation, complete in all respects, in accordance with the following specifications.	27.000%	20.000%	5.979%		
	Size: 250 cc					
	Make: China					
	Supply of Container, including all accessories required for operation, complete in all respects, in accordance with the following specifications.	27.000%	20.000%	6.000%		
	Size: 100 ml, Plastic					
	Make: Local					
	Supply of Cylinder, including all accessories required for operation, complete in all respects, in	27.000%	20.000%	6.000%		

ICC - AMV						
#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	accordance with the following specifications.					
	Size: 25 ml					
	Make: PYREX					
	Supply of Cylinder, including all accessories required for operation, complete in all respects, in accordance with the following specifications.	27.000%	20.000%	6.000%		
	Size: 50 ml					
	Make: PYREX					
	Supply of Cylinder, including all accessories required for operation, complete in all respects, in accordance with the following specifications.	27.000%	20.000%	6.000%		
	Size: 100 ml					
	Make: PYREX					
	Supply of Dassicator (Vaccum), including all accessories required for operation, complete in all respects, in accordance with the following specifications.	27.000%	20.000%	6.000%		
	Size: 300 mm					
	Make: Germany					
	Supply of Filtration Apparatus with Receiving Flask, including all accessories required for operation, complete in all respects, in accordance with the following specifications.	27.000%	20.000%	6.000%		
	Size: 1 Liter					
	Make: SHORT DURAN					
	Supply of Flask (Volumetric), including all accessories required for operation, complete in all respects, in accordance with the following	27.000%	20.000%	6.000%		

ICC - AMV						
#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	specifications.					
	Size: 25 ml					
	Make: PYREX					
	Supply of Flask (Volumetric), including all accessories required for operation, complete in all respects, in accordance with the following specifications.	27.000%	20.000%	6.000%		
	Size: 50 ml					
	Make: PYREX					
	Supply of Flask (Volumetric), including all accessories required for operation, complete in all respects, in accordance with the following specifications.	27.000%	20.000%	6.000%		
	Size: 100 ml					
	Make: PYREX					
	Supply of Funnel, including all accessories required for operation, complete in all respects, in accordance with the following specifications.	27.000%	20.000%	6.000%		
	Size: 75 mm					
	Make: PYREX					
	Supply of IMHOFF Cone, including all accessories required for operation, complete in all respects, in accordance with the following specifications.	27.000%	20.000%	6.000%		
	Size: 1 Liter, Plastic					
	Make: SHORT DURAN					
	Supply of Magnetic Stirrer, including all accessories required for operation, complete in all respects, in accordance with the following specifications.	27.000%	20.000%	6.000%		

ICC - AMV						
#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	Size: 40 mm, Teflon Coated					
	Make: Local					
	Supply of Mortar & Pestles (Ceramic), including all accessories required for operation, complete in all respects, in accordance with the following specifications.	27.000%	20.000%	6.000%		
	Make: Local					
	Supply of Pipette, including all accessories required for operation, complete in all respects, in accordance with the following specifications.	27.000%	20.000%	6.000%		
	Size: 2 ml Graduated					
	Make: PYREX – A Class					
	Supply of Pipette, including all accessories required for operation, complete in all respects, in accordance with the following specifications.	27.000%	20.000%	6.000%		
	Size: 5 ml Graduated					
	Make: PYREX – A Class					
	Supply of Pipette, including all accessories required for operation, complete in all respects, in accordance with the following specifications.	27.000%	20.000%	6.000%		
	Size: 10 ml Graduated					
	Make: PYREX – A Class					
	Supply of Pipette Wide Bore (4 mm), including all accessories required for operation, complete in all respects, in accordance with the following specifications.	27.000%	20.000%	6.000%		
	Size: 10 ml Graduated					
	Make: PYREX – A Class					

ICC - AMV						
#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	Supply of Pipette Sucker/Filler (Rubber), including all accessories required for operation, complete in all respects, in accordance with the following specifications.	27.000%	20.000%	6.000%		
	Make: France or Germany					
	Supply of Rack for Pipettes (Plastic), including all accessories required for operation, complete in all respects, in accordance with the following specifications.	27.000%	20.000%	6.000%		
	Make: Local					
	Supply of Spatula, including all accessories required for operation, complete in all respects, in accordance with the following specifications.	27.000%	20.000%	6.000%		
	Make: Local					
	Supply of Specific Gravity Bottle, including all accessories required for operation, complete in all respects, in accordance with the following specifications.	27.000%	20.000%	6.000%		
	Size: 25 ml					
	Make: MBL, UK					
	Supply of Stand with Clamps (Iron), including all accessories required for operation, complete in all respects, in accordance with the following specifications.	27.000%	20.000%	6.000%		
	Make: Local					
	Supply of Tong and Forceps, including all accessories required for operation, complete in all respects, in accordance with the following specifications.	27.000%	20.000%	6.000%		
	Make: Local					

ICC - AMV						
#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	Supply of Washing Bottle, including all accessories required for operation, complete in all respects, in accordance with the following specifications.	27.004%	20.000%	6.000%		
	Size: 500 ml, Plastic					
	Make: Germany					
	Supply of Watch Glass, including all accessories required for operation, complete in all respects, in accordance with the following specifications.	27.000%	20.000%	6.000%		
	Make: Local					
	Comments					
14	LABORATORY CHMICALS (INITIAL INVANTORY)					
	Supply of Buffer Solution 4 for calibration of pH meter, complete in all respects, in accordance with the following specifications.	27.000%	20.000%	6.000%		
	Make: MERCK, RDH or SIGMA					
	Supply of Buffer Solution 7 for calibration of pH meter, complete in all respects, in accordance with the following specifications.	27.000%	20.000%	6.000%		
	Make: MERCK, RDH or SIGMA					
	Supply of Buffer Solution 10 for calibration of pH meter, complete in all respects, in accordance with the following specifications.	27.000%	20.000%	6.000%		
	Make: MERCK, RDH or SIGMA					
	Supply of COD Reagent Vials (Range 0 – 1500), complete in all respects, in accordance with the following specifications.	26.970%	20.000%	6.000%		
	Make: MERCK or HACH					
	Supply of Filter Dics, complete in all	26.999%	20.089%	6.000%		

ICC - AMV						
#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	respects, in accordance with the following specifications.					
	Size: 47 mm, Glass Fiber					
	Make: WHATMAN					
	Supply of Filter Paper Sheet, complete in all respects, in accordance with the following specifications.	26.860%	20.000%	6.000%		
	Make: Local					
	Supply of Hydrochloric Acid (Commercial Grade), complete in all respects, in accordance with the following specifications.	27.000%	20.000%	6.000%		
	Make: Local					
	Supply of Silica Gel, complete in all respects, in accordance with the following specifications.	27.000%	20.000%	6.005%		
	Make: MERCK, RDH or SIGMA					
	Supply of Standard Solution with COD of 1000 mg/l, complete in all respects, in accordance with the following specifications.	27.000%	20.000%	6.000%		
	Make: MERCK or HACH					
	Comments					
15	PIPES AND FITTINGS					
	Supply, Installation, testing & commissioning of MS Pipe (Schedule 40) including butterfly valves, tees, elbows, flanged joints, reducers, rubber gaskets, nuts and bolts including fixing the pipe with suitable flat iron strip clamps/bracket, painting etc. complete as required for delivery/suction manifold relating to the pumps, including all accessories required for installation and operation, complete in all					

ICC - AMV						
#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	respects, in accordance with the contract documents and as directed by the Engineer.					
	DN150	5.000%	20.000%	6.000%	15.002%	7.528%
	DN 200	4.998%	20.000%	6.000%	15.002%	7.528%
	DN 300	5.000%	20.000%	6.000%	15.000%	7.528%
	Comments				Sales Tax on local items shall not be less than 17%	WHT on Private Limited organizations is 5.5% and for proprietor is 6%
16	SLUICE GATES					
	Providing, fabricating and installing (SS 316L) hand operated mechanical sluice gates, including SS 316L angle frame, shaft and wheel, fixing and anchoring materials complete in all respects, as per contract documents, Drawings and as directed by the Engineer.					
	<i>600 mm (width) x 2000 mm (Height)</i>	13.000%	20.000%	6.000%	15.001%	7.527%
	<i>1100 mm (width) x 1500 mm (Height)</i>	13.000%	20.000%	6.000%	15.001%	7.527%
	<i>1100 mm (width) x 850 mm (Height)</i>	13.000%	20.000%	6.000%	15.001%	7.527%
	Comments				Sales Tax on local items shall not be less than 17%	WHT on Private Limited organizations is 5.5% and for proprietor is 6%
17	ELECTRICAL WORKS					
	Following items of works (unless specifically stated otherwise) required for proper completion of each item as per specifications (Section-16 "General Provision for Electrical Works" shall be applicable to all BOQ items).					

ICC - AMV						
#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	<u>DISTRIBUTION TRANSFORMER</u>					
	Following type of DRY type indoor distribution transformer.					
	a) 11/0.4 kV low losses, 3 phase, distribution transformer 1000 kVA,	27.000%	20.000%	6.000%	15.000%	7.527%
	Spare parts for transformer as standard requirement	27.000%	20.000%	6.000%	0.000%	0.000%
	Comments				Sales Tax on local items shall not be less than 17%	WHT on Private Limited organizations is 5.5% and for proprietor is 6%
	<u>LOW VOLTAGE DIESEL GENERATOR (DG) SET</u>					
	Following are the Low Voltage Diesel generator Sets.					
	a) 600 kW				18.577%	7.527%
	Comments				Sales Tax on local items shall not be less than 17%	WHT on Private Limited organizations is 5.5% and for proprietor is 6%
	<u>L.T SWITCHBOARD</u>					
	Following are the L.V Switchboard.					
	a) SB-1 including 250 kVAR automatic cum manual PFI plant (6 stages).	13.000%	20.000%	6.000%	15.000%	7.527%
	b) ESB-0	13.000%	20.000%	6.000%	15.000%	7.527%
	Comments				Sales Tax on local items shall not be less than 17%	WHT on Private Limited organizations is 5.5% and for proprietor is 6%

ICC - AMV						
#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	<u>MOTOR CONTROL CENTERS</u>					
	Following are the MCC-Panels.					
	a) MCC-Panel-1	27.000%	20.000%	6.000%	15.000%	7.527%
	Comments				Sales Tax on local items shall not be less than 17%	WHT on Private Limited organizations is 5.5% and for proprietor is 6%
	<u>CONTROL PANELS</u>					
	Following are the equipment for SCADA Control Panel.					
	a) Power Supply	27.000%	20.000%	6.000%		
	b) PLC	27.000%	20.000%	6.000%	15.000%	7.527%
	c) Backplane 1	27.000%	20.000%	6.000%	15.000%	7.530%
	d) Backplane Expander	27.000%	20.000%	6.000%	15.010%	7.527%
	e) Backplane Expander Cable (1 m)	27.000%	20.000%	6.000%	15.000%	7.527%
	f) Empty Module	27.000%	20.000%	6.000%	15.007%	7.559%
	g) Terminal Strip 40 Points	27.000%	20.000%	6.000%	15.010%	7.559%
	h) Communication Module	27.000%	20.000%	6.000%	15.000%	7.527%
	i) Discrete input Module	27.000%	20.000%	6.000%	15.000%	7.561%
	j) Analoge input Module	27.000%	20.000%	6.000%	15.000%	7.563%
	k) Discrete output Module	27.000%	20.000%	6.000%	15.035%	7.534%
	l) Analoge output Module	27.000%	20.000%	6.000%	15.000%	7.567%
	m) EGX-100 GATEWAY	27.000%	20.000%	6.000%	15.000%	7.567%
	n) Power Supply	27.000%	20.000%	6.000%	15.001%	7.527%
	o) Ethernet Switch(Ethernet Managed Switch 6TX/2FX Multi-mode)	27.000%	20.000%	6.000%	15.001%	7.527%
	p) Ethernet Switch(Ethernet Managed Switch 2TX/2FX Multi-mode)	27.000%	20.000%	6.000%		
	q) Patch Panel	27.000%	20.000%	6.000%	15.001%	7.527%
	r) Patch cord	27.000%	20.000%	6.000%	15.000%	7.530%
	s) Relays	27.000%	20.000%	6.000%	15.002%	7.527%
	t) PC Vue(single station) with SQL	26.988%	20.000%	6.000%	15.010%	7.530%

ICC - AMV						
#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	Server ad Dream Repor					
	u) SQL Server	27.000%	20.000%	6.000%	15.000%	7.528%
	Battery backup Panels.	27.000%	20.000%	6.000%	15.000%	7.528%
	Comments				Sales Tax on local items shall not be less than 17%	WHT on Private Limited organizations is 5.5% and for proprietor is 6%
	<u>LIGHT FIXTURES</u>					
	Following type of Philips make or approved equivalent Light Fixtures.					
	a) Philips make BGP 762 LED 149- /740 I DM50 DGR 32-48 complete in all respects.				17.000%	7.527%
	b) Philips make Tempo LED Flood Light BVP163 LED220/CW 220W 220-240V SWB GM complete in all respects.				17.000%	7.527%
	Comments					WHT on Private Limited organizations is 5.5% and for proprietor is 6%
	<u>LOW TENSION CABLES</u>					
	Laying and termination of following sizes LT Cables. Note: 1. sizes / length of cables are already provided at site, the successful bidder must try to maximum utilize these cables. 2. If, in case bidder's feels very essential to get some more / other cables then they can incorporate it in their electromechanical bid. 3. Client will not provide any cables					

ICC - AMV						
#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	other than mentioned above. It will be the responsibility of Electro-mechanical contractor to arrange any other cables required. 4. The termination of all cables including conducts, cable trays, jointing, laying, accessories, etc, will be in scope of Electro-mechanical contractor.					
	a) 4 core 95 sq.mm Armoured PVC cable	23.000%	20.000%	6.000%	17.000%	8.000%
	b) 4 core 16 sq.mm Armoured PVC cable	23.000%	20.000%	6.000%	17.000%	8.000%
	c) 4 core 6 sq.mm Armoured PVC cable	23.000%	20.000%	6.000%	17.000%	8.000%
	d) 4 core 4 sq.mm Armoured PVC cable	23.000%	20.000%	6.000%	17.000%	8.000%
	e) 4 core 2.5 sq.mm Armoured PVC cable	23.000%	20.000%	6.000%	17.000%	8.000%
	f) 4 core 1.5 sq.mm Armoured PVC cable	23.000%	20.000%	6.000%	17.000%	8.000%
	g) 4 core 10 sq.mm Armoured PVC cable	23.000%	20.000%	6.000%	17.000%	8.000%
	i) 12 core 1sq.mm Pvc Flexible cable	23.000%	20.000%	6.000%	17.000%	8.000%
	j) 4 core 1sq.mm Pvc flexible cable	23.000%	20.000%	6.000%	17.000%	8.000%
	k) 3core 0.75sq.mm PVC flexible cable	23.000%	20.000%	6.000%	17.000%	8.000%
	l) 1-core 50sq.mm PVC as ECC.	23.000%	20.000%	6.000%	17.000%	8.000%
	m) 1-core 25sq.mm PVC as ECC.	23.000%	20.000%	6.000%	17.000%	8.000%
	n) 1-core 16sq.mm PVC as ECC.	23.000%	20.000%	6.000%	17.000%	8.000%
	o) 1-core 10sq.mm PVC as ECC.	23.000%	20.000%	6.000%	17.000%	8.000%
	p) 1-core 6sq.mm PVC as ECC.	23.000%	20.000%	6.000%	17.000%	8.000%
	q) 1-core 4sq.mm PVC as ECC.	23.000%	20.000%	6.000%	17.000%	8.000%
	Excavation & Backfilling including bedding in all kinds of soil upto any depth including disposal of surplus, excavated rejected material to designated place.	0.000%	20.000%	6.000%	17.000%	8.000%

ICC - AMV						
#	Description	Foreign Component (Price in US\$)		Local Component (Price in PKR)		
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	Comments					WHT on Private Limited organizations is 5.5% and for proprietor is 6%
	<u>WIRING</u>					
	Following type of wiring of Road Light fixtures from all DB-EXT to 1st light pole					
	a) With 16sq.mm 4-C PVC/PVC cable in 32mm dia PVC conduit.	9.000%	20.000%	6.000%	15.000%	7.540%
	b) With 10sq.mm 4-C PVC/PVC cable in 32mm dia PVC conduit.	9.000%	20.000%	6.000%	15.000%	7.540%
	Following type of wiring of Road Light fixtures from Light Pole to Light Pole					
	a) With 10sq.mm 4-C PVC/PVC cable in 32mm dia PVC conduit.	8.999%	20.000%	6.000%	15.011%	7.559%
	b) With 10sq.mm 4-C PVC/PVC cable in 32mm dia PVC conduit.	9.000%	20.000%	6.000%	15.011%	7.559%
	Comments				Sales Tax on local items shall not be less than 17%	WHT on Private Limited organizations is 5.5% and for proprietor is 6%
	<u>CONDUITS</u>					
	Following sizes of conduit					
	a) 32mm dia				17.600%	8.163%
	<u>MISCELLANEOUS ITEMS</u>					
	Following epoxy painted Imported tubular lighting columns					
	a) 9m high column having single arm				16.042%	7.527%
	Following size of RCC pipe.					
	a) 300mm dia				16.936%	7.540%
	RCC Handhole of internal dimensions 900 mm x 900 mm x 600 mm with	0.000%	19.990%	6.000%	15.002%	7.528%

ICC - AMV						
#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	heavy duty CI cover of 950 mm x 950 mm with frame.					
	<u>L.T DISTRIBUTION BOARDS</u>					
	a) DB1- EXT	27.000%	20.000%	6.000%	15.002%	7.528%
	b) DB2- EXT	27.000%	20.000%	6.000%	15.002%	7.528%
	c) DB3- EXT	27.000%	20.000%	6.000%	15.002%	7.528%
	Total					

Table 4c: M/s 3W Systems (Pvt.) Ltd. and Solutions Engineering (Pvt.) Ltd.

M/s 3W Systems (Pvt.) Ltd. and Solutions Engineering (Pvt.) Ltd.						
#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
1	MECHANICAL COARSE SCREENS (BRUSH TYPE)					
	Providing, installing, testing & commissioning of Mechanical Coarse Screens (MCS01/01-02) brush type for Beam House effluent, including all accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	20.000%	19.000%	6.000%	17.000%	8.000%
	Providing, installing, testing & commissioning of Mechanical Coarse Screens (MCS02/01-02) brush type for Tan House effluent, including, all accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	20.000%	19.000%	6.000%	17.000%	8.000%
	Providing, installing, testing & commissioning of Screen Washer (SW01/01-04) for beam house and tan house screenings, including all accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	20.000%	19.000%	6.000%	17.000%	8.000%
	Providing, installing, testing & commissioning of FRP Container 1.1-1.5 m3 (FC03/01-04) for Tan House and Beam House screening, two each respectively, including, all accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	20.000%	19.000%	6.000%	17.000%	8.000%
	Comments		Sales Tax is 17% with additional 3% on			WHT on Private Limited

M/s 3W Systems (Pvt.) Ltd. and Solutions Engineering (Pvt.) Ltd.

#	Description	Foreign Component (Price in US\$)		Local Component (Price in PKR)		
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
			commercial importers. Sales Tax on imported items shall not be less than 20%			organizations is 5.5% and for proprietor is 6%
2	VORTEX GRIT CHAMBER					
	Providing, installing, testing & commissioning of Vortex Grit Chamber with Classifier (GC01/01-02) for Beam House effluent, including all piping and other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	20.000%	19.000%	6.000%	17.000%	8.000%
	Providing, installing, testing & commissioning of Vortex Grit Chamber with Classifier (GC02/01-02) for Tan House effluent, including, all piping and other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	20.000%	19.000%	6.000%	17.000%	8.000%
	Providing, installing, testing & commissioning of FRP Container 5-7 m3 (FC01/01-05) for Tan House and Beam House wastewater grit, including, all accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	20.000%	19.000%	6.000%	17.000%	8.000%
	Providing, testing & commissioning of Fork Lifter (FL01/01-02) for all type of lifting of containers either chemical or others, including, all accessories required for installation and operation, complete in all respects, in accordance with the contract	20.000%	19.000%	6.000%	17.000%	8.000%

M/s 3W Systems (Pvt.) Ltd. and Solutions Engineering (Pvt.) Ltd.

#	Description	Foreign Component (Price in US\$)		Local Component (Price in PKR)		
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	documents.					
	Comments		Sales Tax is 17% with additional 3% on commercial importers. Sales Tax on imported items shall not be less than 20%			WHT on Private Limited organizations is 5.5% and for proprietor is 6%
3	WASTEWATER PUMPS					
	Providing, installing, testing & commissioning of Wastewater Pump (WPS) (WSP01/01-02) in Wastewater Pumping Station (WPS) for Beam House effluent with VFDs, including all piping and other accessories required inside pumping station for installation and operation, complete in all respects, in accordance with the contract documents.	20.000%	19.000%	6.000%	17.000%	8.000%
	Providing, installing, testing & commissioning of Wastewater Pump (WSP) (WSP02/01-02) in Wastewater Pumping Station (WPS) for Tanning and Post tanning effluent with VFDs, including, all piping and other accessories required inside pumping station for installation and operation, complete in all respects, in accordance with the contract documents.	20.000%	19.000%	6.000%	17.000%	8.000%
	Providing, installing, testing & commissioning of Submersible Sump Pumps (Bilge Pump SBP01/01-08)1+1 standby in each Wastewater Pumping Station (WPS) and 1+1 standby in each sludge pumping rooms, including pump-motor set, pump base, anchor bolts, painting/coatings and other accessories, complete in all respects,	20.000%	19.000%	6.000%	17.001%	8.000%

M/s 3W Systems (Pvt.) Ltd. and Solutions Engineering (Pvt.) Ltd.

#	Description	Foreign Component (Price in US\$)		Local Component (Price in PKR)		
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	in accordance with the contract documents.					
	Providing, installing, testing & commissioning of Gantry Crane (GC01/01) in each Wastewater Pumping Station (WPS) including all accessories, complete in all respects, in accordance with the contract documents.	20.000%	19.000%	6.000%	17.000%	8.000%
	Comments	The applicable HS code on equipments used for horizontal centrifugal pumps is 8413.7090. As per the S.R.O 670(I)/2019 custom duty on such equipments is 20%. Additional custom duty of 7% on imported goods is increased as per S.R.O 572(I)/2020. The Bidder shall increase custom duty to 27%. For Submersible Pumps HS code is 8413.7010. Custom duty including additional custom duty is 5%	Sales Tax is 17% with additional 3% on commercial importers. Sales Tax on imported items shall not be less than 20%			WHT on Private Limited organizations is 5.5% and for proprietor is 6%
4	SELF ASPIRATING JET AERATORS FOR EQUALIZATION TANKS					
	Providing, installing, testing & commissioning of Jet Aerators Submersible Ejector shaft (Self Aspirating) type (JA01/01-02) in Equalization tank for Beam House effluent, including all accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	20.000%	19.000%	6.000%	17.000%	8.000%
	Providing, installing, testing & commissioning of Jet Aerators Submersible Ejector shaft (Self Aspirating) type (JA02/01-02)in	20.000%	19.000%	6.000%	17.000%	8.000%

M/s 3W Systems (Pvt.) Ltd. and Solutions Engineering (Pvt.) Ltd.

#	Description	Foreign Component (Price in US\$)		Local Component (Price in PKR)		
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	Equalization tank for Tanning & Post Tanning effluent, including, all accessories required for installation and operation, complete in all respects, in accordance with the contract documents.					
	Comments		Sales Tax is 17% with additional 3% on commercial importers. Sales Tax on imported items shall not be less than 20%			WHT on Private Limited organizations is 5.5% and for proprietor is 6%
5	TURBINE AND PADDLE MIXERS					
	Providing, installing, testing & commissioning of Mixer (MRMT01/01) for Rapid Mixing Tank, including MS Walkway and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	20.000%	19.000%	6.000%	17.000%	8.000%
	Providing, installing, testing & commissioning of Mixer (MFT01/01) for Flocculation Tank, including MS Walkway and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	20.000%	19.000%	6.000%	17.000%	8.000%
	Providing, installing, testing & commissioning of Mixer (MPT01/01-02) for Pre-Selector Tank, including MS Walkway and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	20.000%	19.000%	6.000%	17.000%	8.000%

M/s 3W Systems (Pvt.) Ltd. and Solutions Engineering (Pvt.) Ltd.

#	Description	Foreign Component (Price in US\$)		Local Component (Price in PKR)		
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	Providing, installing, testing & commissioning of Mixer (MCOT01/01) for Chemical Oxidation Tank, including MS Walkway and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	20.000%	19.000%	6.000%	17.000%	8.000%
	Providing, installing, testing & commissioning of Mixer (MCDT01/01-04) for Chemical Dosing Tanks, including all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	20.000%	19.000%	6.000%	17.000%	8.000%
	Comments	The applicable HS code on mixers and agitators is 8479.8200. As per the S.R.O 670(I)/2019 custom duty on such equipments is 0%. Additional custom duty of 2% on imported goods is increased as per S.R.O 572(I)/2020. The Bidder shall reduce custom duty to 2%.	Sales Tax is 17% with additional 3% on commercial importers. Sales Tax on imported items shall not be less than 20%			WHT on Private Limited organizations is 5.5% and for proprietor is 6%
6	SLUDGE SCRAPERS					
	Providing, installing, testing & commissioning of primary sedimentation tank sludge Scraper (PSCR 01/01) (Centrally Driven, Diametral Type with scum removal mechanism), including MS Bridge and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	20.000%	19.000%	6.000%	17.000%	8.000%
	Providing, installing, testing & commissioning of secondary	20.000%	19.000%	6.000%	17.000%	8.000%

M/s 3W Systems (Pvt.) Ltd. and Solutions Engineering (Pvt.) Ltd.

#	Description	Foreign Component (Price in US\$)		Local Component (Price in PKR)		
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	sedimentation tank sludge Scraper (SSCR 01/01-02) (Centrally Driven, Diameteral Type with scum removal mechanism), including MS Bridge and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.					
	Providing, installing, testing & commissioning of picket fence sludge Scraper (TSCR 01/01) (Centrally Driven Rotating Full- Bridge Type Picket Fence Sludge Scraper with scum removal mechanism), including MS Bridge and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	20.000%	19.000%	6.000%	17.000%	8.000%
	Comments		Sales Tax is 17% with additional 3% on commercial importers. Sales Tax on imported items shall not be less than 20%			WHT on Private Limited organizations is 5.5% and for proprietor is 6%
7	JET AERATION SYSTEM FOR AERATION TANKS					
	Providing, installing, testing & commissioning of Jet Aeration System comprising of jet aerators, air blowers and recirculation pumps for Aeration Tank, including piping and all other accessories required for installation and operation, complete in all respects, in accordance with the					

M/s 3W Systems (Pvt.) Ltd. and Solutions Engineering (Pvt.) Ltd.

#	Description	Foreign Component (Price in US\$)		Local Component (Price in PKR)		
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	contract documents.					
	Jet Aerators	20.000%	19.000%	6.000%	17.000%	8.000%
	Air Blowers with VFDs	20.000%	19.000%	6.000%	17.000%	8.000%
	Recirculation Pumps with VFDs	20.000%	19.000%	6.000%	17.000%	8.000%
	Comments	The applicable HS code on equipments used for horizontal centrifugal pumps is 8413.7090. As per the S.R.O 670(I)/2019 custom duty on such equipments is 20%. Additional custom duty of 7% on imported goods is increased as per S.R.O 572(I)/2020. The Bidder shall increase custom duty to 27%. For Air Blowers HS code is 8414.5910. Custom duty including additional custom duty is 27%	Sales Tax is 17% with additional 3% on commercial importers. Sales Tax on imported items shall not be less than 20%			WHT on Private Limited organizations is 5.5% and for proprietor is 6%
8	SLUDGE PUMPS					
	Providing, installing, testing & commissioning of Primary Sludge Pump (PSP01/01-02) in Primary Sludge Pumping Station (PSPS), including pump-motor set, pump base, anchor bolts, pulsation dampers with pressure gauges & pressure sensors (on suction & delivery sides), over pressure and dry run switches, including piping and all other accessories required inside pumping station for installation and operation, complete in all respects, in accordance with the contract documents.	20.000%	19.000%	6.000%	17.000%	8.000%
	Providing, installing, testing & commissioning of Secondary Sludge Pump (SSP01/01-04) in Secondary Sludge Pumping Station, including pump-motor set, pump base, anchor	20.000%	19.000%	6.000%	17.000%	8.000%

M/s 3W Systems (Pvt.) Ltd. and Solutions Engineering (Pvt.) Ltd.

#	Description	Foreign Component (Price in US\$)		Local Component (Price in PKR)		
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	bolts, pulsation dampers with pressure gauges & pressure sensors (on suction & delivery sides), over pressure and dry run switches, including all piping and other accessories required inside pumping station for installation, complete in all respects, in accordance with the contract documents.					
	Providing, installing, testing & commissioning of Thickened Sludge Pump (TSP01/01-02) in Thickened Sludge Pumping Station, including pump-motor set, pump base, anchor bolts, pulsation dampers with pressure gauges & pressure sensors (on suction & delivery sides), over pressure and dry run switches, including all piping and other accessories required inside pumping station for installation, complete in all respects, in accordance with the contract documents.	20.000%	19.000%	6.000%	17.000%	8.000%
	Comments	The applicable HS code on equipments used for horizontal centrifugal pumps is 8413.7090. As per the S.R.O 670(I)/2019 custom duty on such equipments is 20%. Additional custom duty of 7% on imported goods is increased as per S.R.O 572(I)/2020. The Bidder shall increase custom duty to 27%.	Sales Tax is 17% with additional 3% on commercial importers. Sales Tax on imported items shall not be less than 20%			WHT on Private Limited organizations is 5.5% and for proprietor is 6%
9	SLUDGE BELT FILTER PRESS					
	Providing, installing, testing & commissioning of Sludge Filter Press (SFP01), including foundation, anchor bolts, painting/coatings and other accessories, with wash water pump,	20.000%	19.000%	6.000%	17.000%	8.000%

M/s 3W Systems (Pvt.) Ltd. and Solutions Engineering (Pvt.) Ltd.

#	Description	Foreign Component (Price in US\$)		Local Component (Price in PKR)		
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	air compressor including anchor bolts, pulsation dampers and other accessories, including piping and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.					
	Providing, installing, testing & commissioning of FRP Container 5 m3 (FC01/01-04) for dewatered sludge, including, all accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	20.000%	19.000%	6.000%	17.000%	8.000%
	Providing, installing, testing & commissioning of Ventilation System (VS01) for Sludge Belt Press Room, Wastewater Pumping Station, All Sludge Pumping Rooms and Chemical Storage Area, including, all accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	20.000%	19.000%	6.000%	17.000%	8.000%
	Providing, testing & commissioning of Hydrogen Sulphide Detection Equipment (HSD01/01-02) for Sludge Belt Press Room and Coarse Screen Area including, all accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	20.000%	19.000%	6.000%	17.000%	8.000%
	Comments		Sales Tax is 17% with additional 3% on commercial importers. Sales Tax on imported items shall not be less than 20%			WHT on Private Limited organizations is 5.5% and for proprietor is 6%

M/s 3W Systems (Pvt.) Ltd. and Solutions Engineering (Pvt.) Ltd.

#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
10	CHEMICAL DOSING PUMPS					
	Providing, installing, testing & commissioning of Chemical Dosing Pumps (DP01) for K-Polymer Dosing Tank, including piping and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	20.000%	19.000%	6.000%	17.000%	8.000%
	Providing, installing, testing & commissioning of Chemical Dosing Pumps (DP02) for A-Polymer Dosing Tank, including piping and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	20.000%	19.000%	6.000%	17.000%	8.000%
	Providing, installing, testing & commissioning of Chemical Dosing Pumps (DP03) for Alum Dosing Tank, including piping and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	20.000%	19.000%	6.000%	17.000%	8.000%
	Providing, installing, testing & commissioning of Chemical Dosing Pumps (DP04) for Hydrogen Peroxide Dosing Tank, including piping and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	20.000%	19.000%	6.000%	17.000%	8.000%
	Providing, installing, testing & commissioning of Chemical Dosing Pumps (DP05) for Ferric Chloride Dosing Tank, including piping and all other accessories required for	20.000%	19.000%	6.000%	17.000%	8.000%

M/s 3W Systems (Pvt.) Ltd. and Solutions Engineering (Pvt.) Ltd.						
#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	installation and operation, complete in all respects, in accordance with the contract documents.					
	Providing, installing, testing & commissioning of Chemical Dosing Pumps (DP06) for Manganese Sulphate Dosing Tank, including piping and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	20.000%	19.000%	6.000%	17.000%	8.000%
	Providing, installing, testing & commissioning of Chemical Dosing Pumps (DP07) for Sodium Hydroxide Dosing Tank, including piping and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	20.000%	19.000%	6.000%	17.000%	8.000%
	Providing, installing, testing & commissioning of Chemical Dosing Pumps (DP08) for Hydrogen Chloride Dosing Tank (02 + 02 standby, one for pH control at Beam House equalization and other at Chemical Oxidation Tank), including piping and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	20.000%	19.000%	6.000%	17.000%	8.000%
	Comments	The applicable HS code on equipments used for horizontal centrifugal pumps is 8413.7090. As per the S.R.O 670(I)/2019 custom duty on such equipments is 20%. Additional custom duty of 7% on	Sales Tax is 17% with additional 3% on commercial importers. Sales Tax on imported items shall not be less than 20%			WHT on Private Limited organizations is 5.5% and for proprietor is 6%

M/s 3W Systems (Pvt.) Ltd. and Solutions Engineering (Pvt.) Ltd.

#	Description	Foreign Component (Price in US\$)		Local Component (Price in PKR)		
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
		imported goods is increased as per S.R.O 572(I)/2020. The Bidder shall increase custom duty to 27%.				
11	DISSOLVED OXYGEN, FLOW METER, pH METER AND OTHER INSTRUMENTATION					
	Providing, installing, testing & commissioning of Dissolve Oxygen Meter (DO01) for Equalization tank for Beam House and Aeration Tank, including all accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	20.000%	19.000%	6.000%	17.000%	8.000%
	Providing, installing, testing & commissioning of pH Meter (pH01), including all accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	20.000%	19.000%	6.000%	17.000%	8.000%
	Providing, installing, testing & commissioning of Wastewater Flow Meters (WFM01/01-02), including all jointing and anchoring material complete in all respects in accordance with the contract documents	20.000%	19.000%	6.000%	17.000%	8.000%
	Providing, installing, testing & commissioning of Sludge Flow Meters (SFM01/01-04), including all jointing and anchoring material complete in all respects, in accordance with the contract documents	20.000%	19.000%	6.000%	17.000%	8.000%
	Providing, installing, testing & commissioning of Automatic Wastewater Sampler (AS01/01-02), including all jointing and anchoring material complete in all respects, in	20.000%	19.000%	6.000%	17.000%	8.000%

M/s 3W Systems (Pvt.) Ltd. and Solutions Engineering (Pvt.) Ltd.						
#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	accordance with the contract documents					
	Providing, testing & commissioning of Portable TDS Meter, complete in all respects, in accordance with the contract documents	20.000%	19.000%	6.000%	17.000%	8.000%
	Providing, testing & commissioning of Portable Dissolved Oxygen Meter, complete in all respects, in accordance with the contract documents	20.000%	19.000%	6.000%	17.000%	8.000%
	Providing, testing & commissioning of Portable Portable Infrared Thermometer (IT01), complete in all respects, in accordance with the contract documents	20.000%	19.000%	6.000%	17.000%	8.000%
	Providing, testing & commissioning of Toxic Gas Detector / Air Quality Meter & Monitor (TGD01), complete in all respects, in accordance with the contract documents	20.000%	19.000%	6.000%	17.000%	8.000%
	Providing, testing & commissioning of Digital Measuring Scale (BMS01), complete in all respects, in accordance with the contract documents	20.000%	19.000%	6.000%	17.000%	8.000%
	Comments	The applicable HS code for micrometers is 9027.9000. As per the S.R.O 670(I)/2019 custom duty on such equipments is 3%. Additional custom duty of 2% on imported goods is increased as per S.R.O 572(I)/2020. The Bidder shall increase custom duty to 5%.	Sales Tax is 17% with additional 3% on commercial importers. Sales Tax on imported items shall not be less than 20%			WHT on Private Limited organizations is 5.5% and for proprietor is 6%

M/s 3W Systems (Pvt.) Ltd. and Solutions Engineering (Pvt.) Ltd.

#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
12	LABORATORY EQUIPMENT FOR WASTEWATER ANALYSIS					
	Supply, installation and commissioning of Analytical Balance (AB01/01), including all accessories required for installation and operation, complete in all respects, in accordance with the provided specifications.				17.000%	8.000%
	Supply, installation and commissioning of Water Distillation Apparatus (Water Still) (WD01/01), including all accessories required for installation and operation, complete in all respects, in accordance with the provided specifications.				17.000%	8.000%
	Supply, installation and commissioning of Thermometer (TH01/02), including all accessories required for installation and operation, complete in all respects, in accordance with the provided specifications.				17.000%	8.000%
	Supply, installation and commissioning of Vacuum Pump (VP01/01), including all accessories required for installation and operation, complete in all respects, in accordance with the provided specifications.				17.000%	8.000%
	Supply, installation and commissioning of Hot Plate Stirrer (Magnetic) (HP01/02), including all accessories required for installation and operation, complete in all respects, in accordance with the provided specifications.				17.000%	8.000%

M/s 3W Systems (Pvt.) Ltd. and Solutions Engineering (Pvt.) Ltd.

#	Description	Foreign Component (Price in US\$)		Local Component (Price in PKR)		
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	Supply, installation and commissioning of Drying Oven (DO01/01), including all accessories required for installation and operation, complete in all respects, in accordance with the provided specifications.			17.000%	8.000%	17.000%
	Supply, installation and commissioning of pH Meter (Portable) (PH01/02), including all accessories required for installation and operation, complete in all respects, in accordance with the provided specifications.			17.000%	8.000%	17.000%
	Supply, installation and commissioning of COD Reactor (CD01/01), including all accessories required for installation and operation, complete in all respects, in accordance with the provided specifications.			17.000%	8.000%	17.000%
	Supply, installation and commissioning of BOD Reactor (BD01/01), including all accessories required for installation and operation, complete in all respects, in accordance with the provided specifications.			17.000%	8.000%	17.000%
	Supply, installation and commissioning of Incubator (IT01/01), including all accessories required for installation and operation, complete in all respects, in accordance with the provided specifications.			17.000%	8.000%	17.000%
	Supply, installation and commissioning of Spectrophotometer (Visible) (SPM01/01), including all			17.000%	8.000%	17.000%

M/s 3W Systems (Pvt.) Ltd. and Solutions Engineering (Pvt.) Ltd.

#	Description	Foreign Component (Price in US\$)		Local Component (Price in PKR)		
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	accessories required for installation and operation, complete in all respects, in accordance with the provided specifications.					
	Comments					WHT on Private Limited organizations is 5.5% and for proprietor is 6%
13	LABORATORY GLASSWARE AND MINOR ITEMS					
	Supply of Aluminium Weighing Dish, including all accessories required for operation, complete in all respects, in accordance with the following specifications.				17.000%	8.000%
	Size: 57mm					
	Make: Local					
	Supply of Beaker, including all accessories required for operation, complete in all respects, in accordance with the following specifications.				17.000%	8.000%
	Size: 250 ml, Plastic (Electrode Washing)					
	Make: AZLON					
	Supply of Beaker, including all accessories required for operation, complete in all respects, in accordance with the following specifications.				17.000%	8.000%
	Size: 250 ml					
	Make: PYREX					
	Supply of China Dish, including all accessories required for operation, complete in all respects, in accordance with the following specifications.				17.000%	8.000%
	Size: 100 cc					

M/s 3W Systems (Pvt.) Ltd. and Solutions Engineering (Pvt.) Ltd.

#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	Make: China					
	Supply of China Dish, including all accessories required for operation, complete in all respects, in accordance with the following specifications.				17.000%	8.000%
	Size: 250 cc					
	Make: China					
	Supply of Container, including all accessories required for operation, complete in all respects, in accordance with the following specifications.				17.000%	8.000%
	Size: 100 ml, Plastic					
	Make: Local					
	Supply of Cylinder, including all accessories required for operation, complete in all respects, in accordance with the following specifications.				17.000%	8.000%
	Size: 25 ml					
	Make: PYREX					
	Supply of Cylinder, including all accessories required for operation, complete in all respects, in accordance with the following specifications.				17.000%	8.000%
	Size: 50 ml					
	Make: PYREX					
	Supply of Cylinder, including all accessories required for operation, complete in all respects, in accordance with the following specifications.				17.000%	8.000%
	Size: 100 ml					
	Make: PYREX					
	Supply of Dassicator (Vaccum), including all accessories required for operation, complete in all respects, in accordance with the following				17.000%	8.000%

M/s 3W Systems (Pvt.) Ltd. and Solutions Engineering (Pvt.) Ltd.

#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	specifications.					
	Size: 300 mm					
	Make: Germany					
	Supply of Filtration Apparatus with Receiving Flask, including all accessories required for operation, complete in all respects, in accordance with the following specifications.				17.000%	8.000%
	Size: 1 Liter					
	Make: SHORT DURAN					
	Supply of Flask (Volumetric), including all accessories required for operation, complete in all respects, in accordance with the following specifications.				17.000%	8.000%
	Size: 25 ml					
	Make: PYREX					
	Supply of Flask (Volumetric), including all accessories required for operation, complete in all respects, in accordance with the following specifications.				17.000%	8.000%
	Size: 50 ml					
	Make: PYREX					
	Supply of Flask (Volumetric), including all accessories required for operation, complete in all respects, in accordance with the following specifications.				17.000%	8.000%
	Size: 100 ml					
	Make: PYREX					
	Supply of Funnel, including all accessories required for operation, complete in all respects, in accordance with the following specifications.				17.000%	8.000%

M/s 3W Systems (Pvt.) Ltd. and Solutions Engineering (Pvt.) Ltd.

#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	Size: 75 mm					
	Make: PYREX					
	Supply of IMHOFF Cone, including all accessories required for operation, complete in all respects, in accordance with the following specifications.				17.000%	8.000%
	Size: 1 Liter, Plastic					
	Make: SHORT DURAN					
	Supply of Magnetic Stirrer, including all accessories required for operation, complete in all respects, in accordance with the following specifications.				17.000%	8.000%
	Size: 40 mm, Teflon Coated					
	Make: Local					
	Supply of Mortar & Pestles (Ceramic), including all accessories required for operation, complete in all respects, in accordance with the following specifications.				17.000%	8.000%
	Make: Local					
	Supply of Pipette, including all accessories required for operation, complete in all respects, in accordance with the following specifications.				17.000%	8.000%
	Size: 2 ml Graduated					
	Make: PYREX – A Class					
	Supply of Pipette, including all accessories required for operation, complete in all respects, in accordance with the following specifications.				17.000%	8.000%
	Size: 5 ml Graduated					
	Make: PYREX – A Class					

M/s 3W Systems (Pvt.) Ltd. and Solutions Engineering (Pvt.) Ltd.

#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	Supply of Pipette, including all accessories required for operation, complete in all respects, in accordance with the following specifications.				17.000%	8.000%
	Size: 10 ml Graduated					
	Make: PYREX – A Class					
	Supply of Pipette Wide Bore (4 mm), including all accessories required for operation, complete in all respects, in accordance with the following specifications.				17.000%	8.000%
	Size: 10 ml Graduated					
	Make: PYREX – A Class					
	Supply of Pipette Sucker/Filler (Rubber), including all accessories required for operation, complete in all respects, in accordance with the following specifications.				17.000%	8.000%
	Make: France or Germany					
	Supply of Rack for Pipettes (Plastic), including all accessories required for operation, complete in all respects, in accordance with the following specifications.				17.000%	8.000%
	Make: Local					
	Supply of Spatula, including all accessories required for operation, complete in all respects, in accordance with the following specifications.				17.000%	8.000%
	Make: Local					
	Supply of Specific Gravity Bottle, including all accessories required for operation, complete in all respects, in accordance with the following specifications.				17.000%	8.000%
	Size: 25 ml					

M/s 3W Systems (Pvt.) Ltd. and Solutions Engineering (Pvt.) Ltd.

#	Description	Foreign Component (Price in US\$)		Local Component (Price in PKR)		
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	Make: MBL, UK					
	Supply of Stand with Clamps (Iron), including all accessories required for operation, complete in all respects, in accordance with the following specifications.				17.000%	8.000%
	Make: Local					
	Supply of Tong and Forceps, including all accessories required for operation, complete in all respects, in accordance with the following specifications.				17.000%	8.000%
	Make: Local					
	Supply of Washing Bottle, including all accessories required for operation, complete in all respects, in accordance with the following specifications.				17.000%	8.000%
	Size: 500 ml, Plastic					
	Make: Germany					
	Supply of Watch Glass, including all accessories required for operation, complete in all respects, in accordance with the following specifications.				17.000%	8.000%
	Make: Local					
	Comments					WHT on Private Limited organizations is 5.5% and for proprietor is 6%
14	LABORATORY CHMICALS (INITIAL INVANTORY)					
	Supply of Buffer Solution 4 for calibration of pH meter, complete in all respects, in accordance with the following specifications.				17.000%	8.000%
	Make: MERCK, RDH or SIGMA					

M/s 3W Systems (Pvt.) Ltd. and Solutions Engineering (Pvt.) Ltd.

#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	Supply of Buffer Solution 7 for calibration of pH meter, complete in all respects, in accordance with the following specifications.				17.000%	8.000%
	Make: MERCK, RDH or SIGMA					
	Supply of Buffer Solution 10 for calibration of pH meter, complete in all respects, in accordance with the following specifications.				17.000%	8.000%
	Make: MERCK, RDH or SIGMA					
	Supply of COD Reagent Vials (Range 0 – 1500), complete in all respects, in accordance with the following specifications.				17.000%	8.000%
	Make: MERCK or HACH					
	Supply of Filter Dics, complete in all respects, in accordance with the following specifications.				17.000%	8.000%
	Size: 47 mm, Glass Fiber					
	Make: WHATMAN					
	Supply of Filter Paper Sheet, complete in all respects, in accordance with the following specifications.				17.000%	8.000%
	Make: Local					
	Supply of Hydrochloric Acid (Commercial Grade), complete in all respects, in accordance with the following specifications.				17.000%	8.000%
	Make: Local					
	Supply of Silica Gel, complete in all respects, in accordance with the following specifications.				17.000%	8.000%
	Make: MERCK, RDH or SIGMA					
	Supply of Standard Solution with COD of 1000 mg/l, complete in all respects, in accordance with the following				17.000%	8.000%

M/s 3W Systems (Pvt.) Ltd. and Solutions Engineering (Pvt.) Ltd.

#	Description	Foreign Component (Price in US\$)		Local Component (Price in PKR)		
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	specifications.					
	Make: MERCK or HACH					WHT on Private Limited organizations is 5.5% and for proprietor is 6%
	Comments					
15	PIPES AND FITTINGS					
	Supply, Installation, testing & commissioning of MS Pipe (Schedule 40) including butterfly valves, tees, elbows, flanged joints, reducers, rubber gaskets, nuts and bolts including fixing the pipe with suitable flat iron strip clamps/bracket, painting etc. complete as required for delivery/suction manifold relating to the pumps, including all accessories required for installation and operation, complete in all respects, in accordance with the contract documents and as directed by the Engineer.					
	DN150				17.000%	8.008%
	DN 200				16.979%	8.006%
	DN 300				17.000%	8.005%
	Comments					WHT on Private Limited organizations is 5.5% and for proprietor is 6%
16	SLUICE GATES					
	Providing, fabricating and installing (SS 316L) hand operated mechanical sluice gates, including SS 316L angle frame, shaft and wheel, fixing and anchoring materials complete in all respects, as per contract					

M/s 3W Systems (Pvt.) Ltd. and Solutions Engineering (Pvt.) Ltd.

#	Description	Foreign Component (Price in US\$)		Local Component (Price in PKR)		
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	documents, Drawings and as directed by the Engineer.					
	600 mm (width) x 2000 mm (Height)	20.000%	19.000%	6.000%	17.000%	8.000%
	1100 mm (width) x 1500 mm (Height)	20.000%	19.000%	6.000%	17.000%	8.000%
	1100 mm (width) x 850 mm (Height)	20.000%	19.000%	6.000%	17.000%	8.000%
	Comments	The applicable HS code for pressure reducing valves is 8481.1000. As per the S.R.O 670(I)/2019 custom duty on such equipments is 11%. Additional custom duty of 2% on imported goods is increased as per S.R.O 572(I)/2020. The Bidder shall increase custom duty to 13%.	Sales Tax is 17% with additional 3% on commercial importers. Sales Tax on imported items shall not be less than 20%			WHT on Private Limited organizations is 5.5% and for proprietor is 6%
17	ELECTRICAL WORKS					
	Following items of works (unless specifically stated otherwise) required for proper completion of each item as per specifications (Section-16 "General Provision for Electrical Works" shall be applicable to all BOQ items).					
	<u>DISTRIBUTION TRANSFORMER</u>					
	Following type of DRY type indoor distribution transformer.					
	a) 11/0.4 kV low losses, 3 phase, distribution transformer 1000 kVA,				17.000%	8.000%
	Spare parts for transformer as standard requirement				17.000%	8.000%
	Comments					WHT on Private Limited organizations is 5.5% and for proprietor is 6%

M/s 3W Systems (Pvt.) Ltd. and Solutions Engineering (Pvt.) Ltd.

#	Description	Foreign Component (Price in US\$)		Local Component (Price in PKR)		
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	<u>LOW VOLTAGE DIESEL GENERATOR (DG) SET</u>					
	Following are the Low Voltage Diesel generator Sets.					
	a) 600 kW	20.000%	19.000%	6.000%	17.000%	8.000%
	Comments		Sales Tax is 17% with additional 3% on commercial importers. Sales Tax on imported items shall not be less than 20%			WHT on Private Limited organizations is 5.5% and for proprietor is 6%
	<u>L.T SWITCHBOARD</u>					
	Following are the L.V Switchboard.					
	a) SB-1 including 250 kVAR automatic cum manual PFI plant (6 stages).				17.000%	8.000%
	b) ESB-0				17.000%	8.000%
	Comments					WHT on Private Limited organizations is 5.5% and for proprietor is 6%
	<u>MOTOR CONTROL CENTERS</u>					
	Following are the MCC-Panels.					
	a) MCC-Panel-1				1.253%	0.590%
	Comments				Sales Tax on local items shall not be less than 17%	WHT on Private Limited organizations is 5.5% and for proprietor is 6%
	<u>CONTROL PANELS</u>					
	Following are the equipment for SCADA Control Panel.					
	a) Power Supply	20.000%	19.000%	6.000%	17.000%	8.000%
	b) PLC					
	c) Backplane 1					

M/s 3W Systems (Pvt.) Ltd. and Solutions Engineering (Pvt.) Ltd.

#	Description	Foreign Component (Price in US\$)		Local Component (Price in PKR)		
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	d) Backplane Expander					
	e) Backplane Expander Cable (1 m)					
	f) Empty Module					
	g) Terminal Strip 40 Points					
	h) Communication Module					
	i) Discrete input Module					
	j) Analoge input Module					
	k) Discrete output Module					
	l) Analoge output Module					
	m) EGX-100 GATEWAY					
	n) Power Supply					
	o) Ethernet Switch(Ethernet Managed Switch 6TX/2FX Multi-mode)					
	p) Ethernet Switch(Ethernet Managed Switch 2TX/2FX Multi-mode)					
	q) Patch Panel					
	r) Patch cord					
	s) Relays					
	t) PC Vue(single station) with SQL Server ad Dream Repor					
	u) SQL Server					
	Battery backup Panels.					
	Comments	The applicable HS code for electric boards and panels is 8537.2000. As per the S.R.O 670(I)/2019 custom duty on such equipments is 20%. Additional custom duty of 7% on imported goods is increased as per S.R.O 572(I)/2020. The Bidder shall increase custom duty to 27%.	Sales Tax is 17% with additional 3% on commercial importers. Sales Tax on imported items shall not be less than 20%			WHT on Private Limited organizations is 5.5% and for proprietor is 6%
	<u>LIGHT FIXTURES</u>					
	Following type of Philips make or approved equivalent Light Fixtures.					

M/s 3W Systems (Pvt.) Ltd. and Solutions Engineering (Pvt.) Ltd.

#	Description	Foreign Component (Price in US\$)		Local Component (Price in PKR)		
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	a) Philips make BGP 762 LED 149-740 I DM50 DGR 32-48 complete in all respects.				16.996%	8.000%
	b) Philips make Tempo LED Flood Light BVP163 LED220/CW 220W 220-240V SWB GM complete in all respects.				17.000%	8.000%
	Comments					WHT on Private Limited organizations is 5.5% and for proprietor is 6%
	LOW TENSION CABLES					
	Laying and termination of following sizes LT Cables. Note: 1. sizes / length of cables are already provided at site, the successful bidder must try to maximum utilize these cables. 2. If, in case bidder's feels very essential to get some more / other cables then they can incorporate it in their electromechanical bid. 3. Client will not provide any cables other than mentioned above. It will be the responsibility of Electro-mechanical contractor to arrange any other cables required. 4. The termination of all cables including conducts, cable trays, jointing, laying, accessories, etc, will be in scope of Electro-mechanical contractor.					
	a) 4 core 95 sq.mm Armoured PVC cable				17.000%	8.000%
	b) 4 core 16 sq.mm Armoured PVC cable				17.000%	8.000%

M/s 3W Systems (Pvt.) Ltd. and Solutions Engineering (Pvt.) Ltd.

#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	c) 4 core 6 sq.mm Armoured PVC cable				17.000%	8.000%
	d) 4 core 4 sq.mm Armoured PVC cable				17.000%	8.000%
	e) 4 core 2.5 sq.mm Armoured PVC cable				17.000%	8.000%
	f) 4 core 1.5 sq.mm Armoured PVC cable				17.000%	8.000%
	g) 4 core 10 sq.mm Armoured PVC cable				17.000%	8.000%
	i) 12 core 1sq.mm Pvc Flexible cable				17.000%	8.000%
	j) 4 core 1sq.mm Pvc flexible cable				17.000%	8.000%
	k) 3core 0.75sq.mm PVC flexible cable				17.000%	8.000%
	l) 1-core 50sq.mm PVC as ECC.				17.000%	8.000%
	m) 1-core 25sq.mm PVC as ECC.				17.000%	8.000%
	n) 1-core 16sq.mm PVC as ECC.				17.000%	8.000%
	o) 1-core 10sq.mm PVC as ECC.				17.000%	8.000%
	p) 1-core 6sq.mm PVC as ECC.				17.000%	8.000%
	q) 1-core 4sq.mm PVC as ECC.				17.000%	8.000%
	Excavation & Backfilling including bedding in all kinds of soil upto any depth including disposal of surplus, excavated rejected material to designated place.				17.000%	8.000%
	Comments					WHT on Private Limited organizations is 5.5% and for proprietor is 6%
	WIRING					
	Following type of wiring of Road Light fixtures from all DB-EXT to 1st light pole					
	a) With 16sq.mm 4-C PVC/PVC cable in 32mm dia PVC conduit.				17.000%	8.000%

M/s 3W Systems (Pvt.) Ltd. and Solutions Engineering (Pvt.) Ltd.

#	Description	Foreign Component (Price in US\$)			Local Component (Price in PKR)	
		Duties, Levies & Custom Clearance (%)	Sales Tax (%)	WHT %	Sales Tax (%)	WHT %
	b) With 10sq.mm 4-C PVC/PVC cable in 32mm dia PVC conduit.				17.000%	8.000%
	Following type of wiring of Road Light fixtures from Light Pole to Light Pole					
	a) With 10sq.mm 4-C PVC/PVC cable in 32mm dia PVC conduit.				17.000%	8.023%
	b) With 10sq.mm 4-C PVC/PVC cable in 32mm dia PVC conduit.				17.000%	8.023%
	Comments					WHT on Private Limited organizations is 5.5% and for proprietor is 6%
	CONDUITS					
	Following sizes of conduit					
	a) 32mm dia				17.000%	8.000%
	MISCELLANEOUS ITEMS					
	Following epoxy painted Imported tubular lighting columns					
	a) 9m high column having single arm				17.000%	8.000%
	Following size of RCC pipe.					
	a) 300mm dia					
	RCC Handhole of internal dimensions 900 mm x 900 mm x 600 mm with heavy duty CI cover of 950 mm x 950 mm with frame.					
	L.T DISTRIBUTION BOARDS					
	a) DB1- EXT				17.000%	8.000%
	b) DB2- EXT				17.000%	8.000%
	c) DB3- EXT				17.000%	8.000%
	Total					

In response to the above mentioned queries, Bidders revised their prices. **Annexure 1** presents the response submitted by the Bidders.

5. FINANCIAL BID EVALUATED SUMMARY

Table 5 & 6 below presents the revised prices submitted by the Bidders.

Table 5: Final Evaluated Bid Price with all applicable duties and Taxes on Imported & Local Component

Bidders	Final Evaluated Price		Total Price in USD (Conversion rate 1 USD = 156 PKR)
	Imported Items in USD with Duties & Taxes	Local Items in PKR with all taxes	
M/s KSB Pumps Company Limited	3,662,481.00	270,982,365.00	5,399,547.44
M/s ICC – AMV	4,720,473.00	124,978,196.00	5,521,615.28
M/s 3W Systems (Pvt.) Ltd. and Solutions Engineering (Pvt.) Ltd.	2,909,114.93	118,686,770.00	3,669,927.56

Table 6: Final Evaluated Bid Price without Duties and Sales Taxes on Imported & Local Component only

Bidders	Final Evaluated Price		Total Price in USD (Conversion rate 1 USD = 156 PKR)
	Imported Items in USD without Duties & Sales Taxes	Local Items in PKR with all taxes	
M/s KSB Pumps Company Limited	2,659,169.00	270,982,365.00	4,396,235.44
M/s ICC – AMV	3,308,707.00	124,978,196.00	4,109,849.28
M/s 3W Systems (Pvt.) Ltd. and Solutions Engineering (Pvt.) Ltd.	2,034,114.02	118,686,770.00	2,794,926.65

6. RECOMMENDATIONS

M/s 3W Systems (Pvt.) Ltd. and Solutions Engineering (Pvt.) Ltd is the lowest Bidder and shall be considered for Award of Contract.

ANNEXURE 1: RESPONSE OF BIDDERS

2. (a) SCHEDULE OF PRICES – SUMMARY OF BID PRICES
(as Revised on May 19, 2021)
ICC – AMV

Item No.	Description	TOTAL PRICE	
		US\$	PKR
2(a)	Equipment (at Site), and Erection, Testing & Commissioning.		
1	Mechanical Coarse Screens (Brush Type)	447,615	2,657,403
2	Vortex Grit Chamber	405,127	4,182,217
3	Wastewater Pumps	99,940	4,927,000
4	Self Aspirating Jet Aerators For Equalization Tanks	43,248	1,203,100
5	Turbine And Paddle Mixers	135,776	1,777,005
6	Sludge Scrapers	521,677	21,417,715
7	Jet Aeration System for Aeration Tanks	883,294	4,793,265
8	Sludge Pumps	271,108	4,337,210
9	Sludge Belt Filter Press	605,830	12,518,673
10	Chemical Dosing Pumps	144,133	2,621,520
11	Dissolved Oxygen, Flow Meter, Ph Meter and other Instrumentation	154,828	458,961
12	Laboratory Equipment for Wastewater Analysis	57,015	57,803
13	LABORATORY GLASSWARE AND MINOR ITEMS	17,782	-
14	LABORATORY CHEMICALS (INITIAL INVENTORY)	2,212	-
15	Pipes and Fittings	264,373	20,641,926
16	Sluice Gates	87,589	1,631,833
17	Electrical Works	578,926	41,618,381
2(b)	Day Work	0	134,186
Total Bid Price (The amount to be entered in Paragraph 1 of the Form of Bid) (In Words)		4,720,473	124,978,196
Total Bid Price: US Dollars Four Million Seven Twenty Thousand Four Hundred Seventy Three and Pak Rupees One Twenty Four Million Nine Seventy Eight Thousand One Hundred Ninety Six only.			

2. (b) SCHEDULE OF PRICES – EQUIPMENT, ERECTION, TESTING & COMMISSIONING (Revised on May 19, 2021)
ICC – AMV

Item No.	Ref. Spec.	Description	Unit	Qty.	Foreign Component (Price in US\$)										Local Component (Price in PKR)								
					Unit Cost CIF Sialkot Dryport (A)	Duties, Levies & Custom Clearance (B)	%	Sales Tax (C)	%	WHT (D)	%	Delivery at Site (E)	Unit Cost (A+B+C+D+E)	Total Cost	Unit Cost (including delivery at site) (A)	Unit Cost (including installation, commissioning and testing) (B)	Sales Tax, %	Sales Tax (C)	Unit Cost incl. Sales Tax	Total Unit Cost incl. WHT of 7% on Services & 4% on Local Supplies	WHT (D)	Average WHT as % of Total Unit Cost	Total Cost
1	20.3, 20A, 20B	MECHANICAL COARSE SCREENS (BRUSH TYPE)				20%		20%			6%												
		Providing, installing, testing & commissioning of Mechanical Coarse Screens (MCS01/01-02) brush type for Beam House effluent, including all accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	No	2	55,412.80	11,082.56	20%	13,299.07	20%	4,787.67	6%	472.00	85,054.10	170,108.20		378,680	16%	60,589	439,269	472,332	33,063.24	7.00 %	944,664
		Providing, installing, testing & commissioning of Mechanical Coarse Screens (MCS02/01-02) brush type for Tan House effluent, including, all accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	No	2	55,412.80	11,082.56	20%	13,299.07	20%	4,787.67	6%	472.00	85,054.10	170,108.20		378,680	16%	60,589	439,269	472,332	33,063.24	7.00 %	944,664
		Providing, installing, testing & commissioning of Screen Washer (SW01/01-04) for beam house and tan house screenings, including all accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	No	4	16,788.20	3,357.64	20%	4,029.17	20%	1,450.50	6%	143.00	25,768.51	103,074.03		140,318	16%	22,451	162,769	175,020	12,251.42	7.00 %	700,081
		Providing, installing, testing & commissioning of FRP Container 1.1-1.5 m3 (FC03/01-04) for Tan House and Beam House screening, two each respectively, including, all accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	No	4	704.40	140.88	20%	169.06	20%	60.86	6%	6.00	1,081.20	4,324.78		13,628	16%	2,180	15,808	16,998	1,189.89	7.00 %	67,993
		Total												447,615.21					-	-	-		2,657,403
2	20A, 20B	VORTEX GRIT CHAMBER																	-	-	-		-
		Providing, installing, testing & commissioning of Vortex Grit Chamber with Classifier (GC01/01-02) for Beam House effluent, including all piping and other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	No	2	48,251.40	9,650.28	20%	11,580.34	20%	4,168.92	6%	411.00	74,061.94	148,123.87		780,327	16%	124,852	905,179	973,311	68,131.78	7.00 %	1,946,622

Item No.	Ref. Spec.	Description	Unit	Qty.	Foreign Component (Price in US\$)										Local Component (Price in PKR)									
					Unit Cost CIF Sialkot Dryport (A)	Duties, Levies & Custom Clearance (B)	%	Sales Tax (C)	%	WHT (D)	%	Delivery at Site (E)	Unit Cost (A+B+C+D +E)	Total Cost	Unit Cost (including delivery at site) (A)	Unit Cost (including installation, commissioning and testing) (B)	Sales Tax, %	Sales Tax (C)	Unit Cost incl. Sales Tax	Total Unit Cost incl. WHT of 7% on Services & 4% on Local Supplies	WHT (D)	Average WHT as % of Total Unit Cost	Total Cost	
		Providing, installing, testing & commissioning of Vortex Grit Chamber with Classifier (GC02/01-02) for Tan House effluent, including, all piping and other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	No	2	48,251.40	9,650.28	20%	11,580.34	20%	4,168.92	6%	411.00	74,061.94	148,123.87		780,327	16%	124,852	905,179	973,311	68,131.78	7.00 %	1,946,622	
		Providing, installing, testing & commissioning of FRP Container 5-7 m3 (FC01/01-05) for Tan House and Beam House wastewatergrit, including, allaccessories required for installation and operation, complete in all respects, in accordance with the contract documents.	No	5	1,761.00	352.20	20%	422.64	20%	152.15	6%	15.00	2,702.99	13,514.95		40,884	16%	6,541	47,425	50,995	3,569.66	7.00 %	254,975	
		Providing, testing & commissioning of Fork Lifter (FL01/01-02) for all type of lifting of containers either chemical or others, including, allaccessories required for installation and operation, complete in all respects, in accordance with the contract documents.	No	2	36,511.40	730.23	2%	7,448.33	20%	2,681.40	6%	311.00	47,682.35	95,364.70		13,628	16%	2,180	15,808	16,998	1,189.89	7.00 %	33,997	
		Total												405,127.40					-	-	-		4,182,217	
3	20.2, 20.4, 20A, 20B	WASTEWATER PUMPS																	-	-	-		-	
		Providing, installing, testing & commissioning of Wastewater Pump (WPS) (WSP01/01-02) in Wastewater Pumping Station (WPS) for Beam House effluent with VFDs, including all piping and other accessoriesrequired inside pumping stationfor installation and operation, complete in all respects, in accordance with the contract documents.	No	2	4,696.00	1,267.92	27%	1,192.78	20%	429.40	6%	40.00	7,626.11	15,252.21		352,308	16%	56,369	408,677	439,438	30,760.66	7.00 %	878,876	
		Providing, installing, testing & commissioning of Wastewater Pump (WSP) (WSP02/01-02) in Wastewater Pumping Station (WPS) for Tanning and Post tanning effluent with VFDs, including, all piping and other accessories required inside pumping station for installation and operation, complete in all respects, in accordance with the contract documents.	No	2	5,283.00	1,426.41	27%	1,341.88	20%	483.08	6%	45.00	8,579.37	17,158.74		377,545	16%	60,407	437,952	470,916	32,964.14	7.00 %	941,833	

Item No.	Ref. Spec.	Description	Unit	Qty.	Foreign Component (Price in US\$)										Local Component (Price in PKR)									
					Unit Cost CIF Sialkot Dryport (A)	Duties, Levies & Custom Clearanc e (B)	%	Sales Tax (C)	%	WHT (D)	%	Delivery at Site (E)	Unit Cost (A+B+C+D +E)	Total Cost	Unit Cost (includi ng delivery at site) (A)	Unit Cost (includin g installatio n, commissi oning and testing) (B)	Sales Tax, %	Sales Tax (C)	Unit Cost incl. Sales Tax	Total Unit Cost incl. WHT of 7% on Services & 4% on Local Supplies	WHT (D)	Aver age WHT as % of Total Unit Cost	Total Cost	
		Providing, installing, testing & commissioning of Submersible Sump Pumps (Bilge Pump SBP01/01-08)1+1 standby in each Wastewater Pumping Station (WPS) and 1+1 standby in each sludge pumping rooms,including pump-motor set, pump base, anchor bolts, painting/coatings and other accessories, complete in all respects, in accordance with the contract documents.	No	8	2,113.20	105.66	5%	443.77	20%	159.76	6%	18.00	2,840.39	22,723.12		254,894	16%	40,783	295,677	317,932	22,255.26	7.00 %	2,543,458	
		Providing, installing, testing & commissioning of Gantry Crane (GC01/01) in each Wastewater Pumping Station (WPS) including all accessories, complete in all respects, in accordance with the contract documents.	No	1	29,191.35	5,838.27	20%	7,005.92	20%	2,522.13	6%	248.65	44,806.33	44,806.33		451,237	16%	72,198	523,435	562,833	39,398.33	7.00 %	562,833	
		Total												99,940.40					-	-	-		4,927,000	
4	20A, 20B	SELF ASPIRATING JET AERATORS FOR EQUALIZATION TANKS																	-	-	-		-	
		Providing, installing, testing & commissioning of Jet Aerators Submersible Ejector shaft (Self Aspirating) type (JA01/01-02) in Equalization tank for Beam House effluent, including all accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	No	2	4,696.00	939.20	20%	1,127.04	20%	405.73	6%	40.00	7,207.97	14,415.95		160,759	16%	25,721	186,480	200,517	14,036.16	7.00 %	401,033	
		Providing, installing, testing & commissioning of Jet Aerators Submersible Ejector shaft (Self Aspirating) type (JA02/01-02)in Equalization tank for Tanning & Post Tanning effluent, including, all accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	No	4	4,696.00	939.20	20%	1,127.04	20%	405.73	6%	40.00	7,207.97	28,831.90		160,759	16%	25,721	186,480	200,517	14,036.16	7.00 %	802,066	
		Total												43,247.85					-	-	-		1,203,100	
5	20.9, 20A, 20B	TURBINE AND PADDLE MIXERS											-						-	-	-		-	
		Providing, installing, testing & commissioning of Mixer (MRMT01/01) for Rapid Mixing Tank, including MS Walkway and all other accessories required for installation and operation,	No	1	10,918.20	218.36	2%	2,227.31	20%	801.83	6%	93.00	14,258.71	14,258.71		136,404	16%	21,825	158,229	170,138	11,909.68	7.00 %	170,138	

Item No.	Ref. Spec.	Description	Unit	Qty.	Foreign Component (Price in US\$)										Local Component (Price in PKR)									
					Unit Cost CIF Sialkot Dryport (A)	Duties, Levies & Custom Clearance (B)	%	Sales Tax (C)	%	WHT (D)	%	Delivery at Site (E)	Unit Cost (A+B+C+D+E)	Total Cost	Unit Cost (including delivery at site) (A)	Unit Cost (including installation, commissioning and testing) (B)	Sales Tax, %	Sales Tax (C)	Unit Cost incl. Sales Tax	Total Unit Cost incl. WHT of 7% on Services & 4% on Local Supplies	WHT (D)	Average WHT as % of Total Unit Cost	Total Cost	
		complete in all respects, in accordance with the contract documents.																						
		Providing, installing, testing & commissioning of Mixer (MFT01/01) for Flocculation Tank, including MS Walkway and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	No	1	14,440.20	288.80	2%	2,945.80	20%	1,060.49	6%	123.00	18,858.29	18,858.29		195,067	16%	31,211	226,278	243,309	17,031.66	7.00 %	243,309	
		Providing, installing, testing & commissioning of Mixer (MPT01/01-02) for Pre-Selector Tank, including MS Walkway and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	No	2	11,691.43	233.83	2%	2,385.05	20%	858.62	6%	99.59	15,268.52	30,537.04		179,410	16%	28,706	208,116	223,780	15,664.62	7.00 %	447,560	
		Providing, installing, testing & commissioning of Mixer (MCOT01/01) for Chemical Oxidation Tank, including MS Walkway and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	No	1	16,436.00	328.72	2%	3,352.94	20%	1,207.06	6%	140.00	21,464.72	21,464.72		162,001	16%	25,920	187,921	202,066	14,144.60	7.00 %	202,066	
		Providing, installing, testing & commissioning of Mixer (MCDT01/01-04) for Chemical Dosing Tanks, including all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	No	14	2,770.64	55.41	2%	565.21	20%	203.48	6%	23.60	3,618.34	50,656.75		40,884	16%	6,541	47,425	50,995	3,569.66	7.00 %	713,931	
		Total												135,775.51					-	-	-		1,777,005	
6	20.14, 20A, 20B	SLUDGE SCRAPERS																	-	-	-		-	
		Providing, installing, testing & commissioning of primary sedimentation tank sludge Scraper (PSCR 01/01) (Centrally Driven, Diametral Type with scum removal mechanism), including MS Bridge and all other accessories required for installation and operation, complete in all respects, in accordance with the contract	No	1	84,058.40	16,811.68	20%	20,174.02	20%	7,262.65	6%	716.00	129,022.74	129,022.74		3,620,993	16%	579,359	4,200,352	4,516,507	316,155.52	7.00 %	4,516,507	

Item No.	Ref. Spec.	Description	Unit	Qty.	Foreign Component (Price in US\$)									Local Component (Price in PKR)									
					Unit Cost CIF Sialkot Dryport (A)	Duties, Levies & Custom Clearance (B)	%	Sales Tax (C)	%	WHT (D)	%	Delivery at Site (E)	Unit Cost (A+B+C+D+E)	Total Cost	Unit Cost (including delivery at site) (A)	Unit Cost (including installation, commissioning and testing) (B)	Sales Tax, %	Sales Tax (C)	Unit Cost incl. Sales Tax	Total Unit Cost incl. WHT of 7% on Services & 4% on Local Supplies	WHT (D)	Average WHT as % of Total Unit Cost	Total Cost
		documents.																					
		Providing, installing, testing & commissioning of secondary sedimentation tank sludge Scraper (SSCR 01/01-02) (Centrally Driven, Diametral Type with scum removal mechanism), including MS Bridge and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	No	2	98,381.20	19,676.24	20%	23,611.49	20%	8,500.14	6%	838.00	151,007.06	302,014.13		4,589,839	16%	734,374	5,324,213	5,724,960	400,747.23	7.00 %	11,449,921
		Providing, installing, testing & commissioning of picket fence sludge Scraper (TSCR 01/01) (Centrally Driven Rotating Full-Bridge Type Picket Fence Sludge Scraperwith scum removal mechanism), including MS Bridge and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	No	1	59,052.20	11,810.44	20%	14,172.53	20%	5,102.11	6%	503.00	90,640.28	90,640.28		4,370,428	16%	699,268	5,069,696	5,451,287	381,590.06	7.00 %	5,451,287
		Total												521,677.15					-	-	-		21,417,715
7	20.10, 20A, 20B	JET AERATION SYSTEM FOR AERATION TANKS																	-	-	-		-
		Providing, installing, testing & commissioning of Jet Aeration System comprising of jet aerators, air blowers and recirculation pumps for Aeration Tank, including piping and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.																	-	-	-		-
		Jet Aerators	No	2	82,767.00	22,347.09	27%	21,022.82	20%	7,568.21	6%	705.00	134,410.12	268,820.24		160,759	16%	25,721	186,480	200,517	14,036.16	7.00 %	401,033
		Air Blowers with VFDs	No	3	103,899.00	28,052.73	27%	26,390.35	20%	9,500.52	6%	885.00	168,727.60	506,182.80		971,924	16%	155,508	1,127,432	1,212,292	84,860.46	7.00 %	3,636,877
		Recirculation Pumps with VFDs	No	2	33,341.60	9,002.23	27%	8,468.77	20%	3,048.76	6%	284.00	54,145.35	108,290.71		302,793	16%	48,447	351,240	377,677	26,437.41	7.00 %	755,355
		Total												883,293.76					-	-	-		4,793,265

Item No.	Ref. Spec.	Description	Unit	Qty.	Foreign Component (Price in US\$)										Local Component (Price in PKR)									
					Unit Cost CIF Sialkot Dryport (A)	Duties, Levies & Custom Clearance (B)	%	Sales Tax (C)	%	WHT (D)	%	Delivery at Site (E)	Unit Cost (A+B+C+D +E)	Total Cost	Unit Cost (including delivery at site) (A)	Unit Cost (including installation, commissioning and testing) (B)	Sales Tax, %	Sales Tax (C)	Unit Cost incl. Sales Tax	Total Unit Cost incl. WHT of 7% on Services & 4% on Local Supplies	WHT (D)	Average WHT as % of Total Unit Cost	Total Cost	
8	20.8, 20A, 20B	SLUDGE PUMPS																	-	-	-		-	
		Providing, installing, testing & commissioning of Primary Sludge Pump (PSP01/01-02) in Primary Sludge Pumping Station (PSPS), including pump-motor set, pump base, anchor bolts, pulsation dampers with pressure gauges & pressure sensors (on suction & delivery sides), over pressure and dry run switches, including piping and all other accessories required inside pumping station for installation and operation, complete in all respects, in accordance with the contract documents.	No	2	18,549.20	5,008.28	27%	4,711.50	20%	1,696.14	6%	158.00	30,123.12	60,246.24		439,073	16%	70,252	509,325	547,661	38,336.27	7.00 %	1,095,322	
		Providing, installing, testing & commissioning of Secondary Sludge Pump (SSP01/01-04) in Secondary Sludge Pumping Station, including pump-motor set, pump base, anchor bolts, pulsation dampers with pressure gauges & pressure sensors (on suction & delivery sides), over pressure and dry run switches, including all piping and other accessories required inside pumping station for installation, complete in all respects, in accordance with the contract documents.	No	4	24,888.80	6,719.98	27%	6,321.76	20%	2,275.83	6%	212.00	40,418.36	161,673.45		464,309	16%	74,289	538,598	579,138	40,539.67	7.00 %	2,316,552	
		Providing, installing, testing & commissioning of Thickened Sludge Pump (TSP01/01-02) in Thickened Sludge Pumping Station, including pump-motor set, pump base, anchor bolts, pulsation dampers with pressure gauges & pressure sensors (on suction & delivery sides), over pressure and dry run switches, including all piping and other accessories required inside pumping station for installation, complete in all respects, in accordance with the contract documents.	No	2	15,144.60	4,089.04	27%	3,846.73	20%	1,384.82	6%	129.00	24,594.19	49,188.39		370,932	16%	59,349	430,281	462,668	32,386.75	7.00 %	925,336	
		Total											271,108.08					-	-	-		4,337,210		
9	20.15, 20A, 20B	SLUDGE BELT FILTER PRESS																-	-	-		-		

Item No.	Ref. Spec.	Description	Unit	Qty.	Foreign Component (Price in US\$)									Local Component (Price in PKR)									
					Unit Cost CIF Sialkot Dryport (A)	Duties, Levies & Custom Clearance (B)	%	Sales Tax (C)	%	WHT (D)	%	Delivery at Site (E)	Unit Cost (A+B+C+D+E)	Total Cost	Unit Cost (including delivery at site) (A)	Unit Cost (including installation, commissioning and testing) (B)	Sales Tax, %	Sales Tax (C)	Unit Cost incl. Sales Tax	Total Unit Cost incl. WHT of 7% on Services & 4% on Local Supplies	WHT (D)	Average WHT as % of Total Unit Cost	Total Cost
		Providing, installing, testing & commissioning of Sludge Filter Press (SFP01), including foundation, anchor bolts, painting/coatings and other accessories, with wash water pump, air compressor including anchor bolts, pulsation dampers and other accessories, including piping and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	No	2	160,955.40	32,191.08	20%	38,629.30	20%	13,906.55	6%	1,371.00	247,053.32	494,106.65		2,584,614	16%	413,538	2,998,152	3,223,820	225,667.37	7.00%	6,447,639
		Providing, installing, testing & commissioning of FRP Container 5 m³ (FC01/01-04) for dewatered sludge, including, all accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	No	4	1,761.00	352.20	20%	422.64	20%	152.15	6%	15.00	2,702.99	10,811.96		40,884	16%	6,541	47,425	50,995	3,569.66	7.00%	203,980
		Providing, installing, testing & commissioning of Ventilation System (VS01) for Sludge Belt Press Room, Wastewater Pumping Station, All Sludge Pumping Rooms and Chemical Storage Area, including, all accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	No	6	10,683.40	2,136.68	20%	2,564.02	20%	923.05	6%	91.00	16,398.146	98,388.88		781,688	16%	125,070	906,758	975,009	68,250.61	7.00%	5,850,052
		Providing, testing & commissioning of Hydrogen Sulphide Detection Equipment (HSD01/01-02) for Sludge Belt Press Room and Coarse Screen Area including, all accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	No	2	821.80	164.36	20%	197.23	20%	71.00	6%	7.00	1,261.40	2,522.79		6,815	16%	1,090	7,905	8,500	595.03	7.00%	17,001
		Total												605,830.27					-	-	-		12,518,673
10	20.13, 20A, 20B	CHEMICAL DOSING PUMPS																	-	-	-		-
		Providing, installing, testing & commissioning of Chemical Dosing Pumps (DP01) for K-Polymer Dosing Tank, including piping and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	No	2	7,513.60	2,028.67	27%	1,908.45	20%	687.04	6%	64.00	12,201.77	24,403.54		178,678	16%	28,588	207,266	222,867	15,600.70	7.00%	445,734

Item No.	Ref. Spec.	Description	Unit	Qty.	Foreign Component (Price in US\$)										Local Component (Price in PKR)									
					Unit Cost CIF Sialkot Dryport (A)	Duties, Levies & Custom Clearance (B)	%	Sales Tax (C)	%	WHT (D)	%	Delivery at Site (E)	Unit Cost (A+B+C+D+E)	Total Cost	Unit Cost (including delivery at site) (A)	Unit Cost (including installation, commissioning and testing) (B)	Sales Tax, %	Sales Tax (C)	Unit Cost incl. Sales Tax	Total Unit Cost incl. WHT of 7% on Services & 4% on Local Supplies	WHT (D)	Average WHT as % of Total Unit Cost	Total Cost	
		Providing, installing, testing & commissioning of Chemical Dosing Pumps (DP02) for A-Polymer Dosing Tank, including piping and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	No	2	3,756.80	1,014.34	27%	954.23	20%	343.52	6%	32.00	6,100.88	12,201.77		96,910	16%	15,506	112,416	120,877	8,461.39	7.00 %	241,754	
		Providing, installing, testing & commissioning of Chemical Dosing Pumps (DP03) for Alum Dosing Tank, including piping and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	No	2	4,226.40	1,141.13	27%	1,073.51	20%	386.46	6%	36.00	6,863.50	13,726.99		96,910	16%	15,506	112,416	120,877	8,461.39	7.00 %	241,754	
		Providing, installing, testing & commissioning of Chemical Dosing Pumps (DP04) for Hydrogen Peroxide Dosing Tank, including piping and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	No	2	4,226.40	1,141.13	27%	1,073.51	20%	386.46	6%	36.00	6,863.50	13,726.99		96,910	16%	15,506	112,416	120,877	8,461.39	7.00 %	241,754	
		Providing, installing, testing & commissioning of Chemical Dosing Pumps (DP05) for Ferric Chloride Dosing Tank, including piping and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	No	2	3,991.60	1,077.73	27%	1,013.87	20%	364.99	6%	34.00	6,482.19	12,964.38		96,910	16%	15,506	112,416	120,877	8,461.39	7.00 %	241,754	
		Providing, installing, testing & commissioning of Chemical Dosing Pumps (DP06) for Manganese Sluphate Dosing Tank, including piping and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	No	2	3,756.80	1,014.34	27.0000%	954.23	20%	343.52	6%	32.00	6,100.88	12,201.77		96,910	16%	15,506	112,416	120,877	8,461.39	7.00 %	241,754	
		Providing, installing, testing & commissioning of Chemical Dosing Pumps (DP07) for Sodium Hydroxide Dosing Tank, including piping and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	No	4	4,226.40	1,141.13	27%	1,073.51	20%	386.46	6%	36.00	6,863.50	27,454		96,910	16%	15,506	112,416	120,877	8,461.39	7.00 %	483,508	

Item No.	Ref. Spec.	Description	Unit	Qty.	Foreign Component (Price in US\$)										Local Component (Price in PKR)									
					Unit Cost CIF Sialkot Dryport (A)	Duties, Levies & Custom Clearance (B)	%	Sales Tax (C)	%	WHT (D)	%	Delivery at Site (E)	Unit Cost (A+B+C+D +E)	Total Cost	Unit Cost (including delivery at site) (A)	Unit Cost (including installation, commissioning and testing) (B)	Sales Tax, %	Sales Tax (C)	Unit Cost incl. Sales Tax	Total Unit Cost incl. WHT of 7% on Services & 4% on Local Supplies	WHT (D)	Average WHT as % of Total Unit Cost	Total Cost	
		Providing, installing, testing & commissioning of Chemical Dosing Pumps (DP08) for Hydrogen Chloride Dosing Tank (02 + 02 standby, one for pH control at Beam House equalization and other at Chemical Oxidation Tank), including piping and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	No	4	4,226.40	1,141.13	27%	1,073.51	20%	386.46	6%	36.00	6,863.50	27,454		96,910	16%	15,506	112,416	120,877	8,461.39	7.00 %	483,508	
		Total												144,133.41					-	-	-		2,621,520	
11	20A, 20B	DISSOLVED OXYGEN, FLOW METER, pH METER AND OTHER INSTRUMENTATION																	-	-	-		-	
		Providing, installing, testing & commissioning of Dissolve Oxygen Meter (DO01) for Equalization tank for Beam House and Aeration Tank, including all accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	No	3	6,303.21	315.16	5%	1,323.67	20%	476.52	6%	53.69	8,472.26	25,416.77		6,815	16%	1,090	7,905	8,500	595.03	7.00 %	25,501	
		Providing, installing, testing & commissioning of pH Meter (pH01), including all accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	No	8	2,493.58	124.68	5%	523.65	20%	188.51	6%	21.24	3,351.67	26,813.32		13,628	16%	2,180	15,808	16,998	1,189.89	7.00 %	135,987	
		Providing, installing, testing & commissioning of Wastewater Flow Meters (WFM01/01-02), including all jointing and anchoring material complete in all respects, inaccordancewiththe contract documents	No	2	6,233.94	311.70	5%	1,309.13	20%	471.29	6%	53.10	8,379.15	16,758.30		27,256	16%	4,361	31,617	33,997	2,379.77	7.00 %	67,993	
		Providing, installing, testing & commissioning of Sludge Flow Meters (SFM01/01-04), including all jointing and anchoring material complete in all respects, in accordance with the contract documents	No	4	6,926.60	346.33	5%	1,454.59	20%	523.65	6%	59.00	9,310.17	37,240.67		27,256	16%	4,361	31,617	33,997	2,379.77	7.00 %	135,987	
		Providing, installing, testing & commissioning of Automatic Wastewater Sampler (AS01/01-02), including all jointing and anchoring material complete in all respects, in accordancewiththe contract	No	2	8,311.92	415.60	5%	1,745.50	20%	628.38	6%	70.80	11,172.20	22,344.40		27,256	16%	4,361	31,617	33,997	2,379.77	7.00 %	67,993	

Item No.	Ref. Spec.	Description	Unit	Qty.	Foreign Component (Price in US\$)									Local Component (Price in PKR)									
					Unit Cost CIF Sialkot Dryport (A)	Duties, Levies & Custom Clearance (B)	%	Sales Tax (C)	%	WHT (D)	%	Delivery at Site (E)	Unit Cost (A+B+C+D +E)	Total Cost	Unit Cost (including delivery at site) (A)	Unit Cost (including installation, commissioning and testing) (B)	Sales Tax, %	Sales Tax (C)	Unit Cost incl. Sales Tax	Total Unit Cost incl. WHT of 7% on Services & 4% on Local Supplies	WHT (D)	Average WHT as % of Total Unit Cost	Total Cost
		documents																					
		Providing, testing & commissioning of Portable TDS Meter, complete in all respects, in accordancewiththe contract documents	No	1	2,632.11	131.61	5%	552.74	20%	198.99	6%	22.42	3,537.87	3,537.87		1,363	16%	218	1,581	1,700	119.01	7.00 %	1,700
		Providing, testing & commissioning of Portable Dissolved Oxygen Meter, complete in all respects, in accordancewiththe contract documents	No	1	6,303.21	315.16	5%	1,323.67	20%	476.52	6%	53.69	8,472.26	8,472.26		1,363	16%	218	1,581	1,700	119.01	7.00 %	1,700
		Providing, testing & commissioning of Portable Infrared Termometer (IT01), complete in all respects, in accordancewiththe contract documents	No	1	1,038.99	51.95	5%	218.19	20%	78.55	6%	8.85	1,396.53	1,396.53		1,363	16%	218	1,581	1,700	119.01	7.00 %	1,700
		Providing, testing & commissioning of Toxic Gas Detector / Air Quality Meter & Monitor (TGD01), complete in all respects, in accordancewiththe contract documents	No	1	1,246.79	62.34	5%	261.83	20%	94.26	6%	10.62	1,675.83	1,675.83		13,628	16%	2,180	15,808	16,998	1,189.89	7.00 %	16,998
		Providing, testing & commissioning of Digital Measuring Scale (BMS01), complete in all respects, in accordancewiththe contract documents	No	2	4,155.96	207.80	5%	872.75	20%	314.19	6%	35.40	5,586.10	11,172.20		1,363	16%	218	1,581	1,700	119.01	7.00 %	3,400
		Total												154,828.15					-	-	-		458,961
12	20A, 20B	LABORATORY EQUIPMENT FOR WASTEWATER ANALYSIS																	-	-	-		-
		Supply, installation and commisioning of Analytical Balance (AB01/01), including all accessories required for installation and operation, complete in all respects, in accordance with the provided specifications.	No	2	892.24	240.90	27%	226.63	20%	81.59	6%	7.60	1,448.96	2,897.92		1,363	16%	218	1,581	1,700	119.01	7.00 %	3,400
		Supply, installation and commisioning of Water Distillation Apparatus (Water Still) (WD01/01), including all accessories required for installation and operation, complete in all respects, in accordance with the provided specifications.	No	1	1,056.60	285.28	27%	268.38	20%	96.62	6%	9.00	1,715.87	1,715.87		1,363	16%	218	1,581	1,700	119.01	7.00 %	1,700

Item No.	Ref. Spec.	Description	Unit	Qty.	Foreign Component (Price in US\$)										Local Component (Price in PKR)									
					Unit Cost CIF Sialkot Dryport (A)	Duties, Levies & Custom Clearance (B)	%	Sales Tax (C)	%	WHT (D)	%	Delivery at Site (E)	Unit Cost (A+B+C+D+E)	Total Cost	Unit Cost (including delivery at site) (A)	Unit Cost (including installation, commissioning and testing) (B)	Sales Tax, %	Sales Tax (C)	Unit Cost incl. Sales Tax	Total Unit Cost incl. WHT of 7% on Services & 4% on Local Supplies	WHT (D)	Average WHT as % of Total Unit Cost	Total Cost	
		Supply, installation and commissioning of Thermometer (TH01/02), including all accessories required for installation and operation, complete in all respects, in accordance with the provided specifications.	No	2	117.40	31.70	27%	29.82	20%	10.74	6%	1.00	190.65	381.31		1,363	16%	218	1,581	1,700	119.01	7.00 %	3,400	
		Supply, installation and commissioning of Vacuum Pump (VP01/01), including all accessories required for installation and operation, complete in all respects, in accordance with the provided specifications.	No	1	1,643.60	443.77	27%	417.47	20%	150.29	6%	14.00	2,669.14	2,669.14		6,815	16%	1,090	7,905	8,500	595.03	7.00 %	8,500	
		Supply, installation and commissioning of Hot Plate Stirrer (Magnetic) (HP01/02), including all accessories required for installation and operation, complete in all respects, in accordance with the provided specifications.	No	2	1,614.25	435.85	27%	410.02	20%	147.61	6%	13.75	2,621.47	5,242.95		2,726	16%	436	3,162	3,400	238.01	7.00 %	6,800	
		Supply, installation and commissioning of Drying Oven (DO01/01), including all accessories required for installation and operation, complete in all respects, in accordance with the provided specifications.	No	1	9,392.00	2,535.84	27%	2,385.57	20%	858.80	6%	80.00	15,252.21	15,252.21		2,726	16%	436	3,162	3,400	238.01	7.00 %	3,400	
		Supply, installation and commissioning of pH Meter (Portable) (PH01/02), including all accessories required for installation and operation, complete in all respects, in accordance with the provided specifications.	No	2	739.62	199.70	27%	187.86	20%	67.63	6%	6.30	1,201.11	2,402.22		2,726	16%	436	3,162	3,400	238.01	7.00 %	6,800	
		Supply, installation and commissioning of COD Reactor (CD01/01), including all accessories required for installation and operation, complete in all respects, in accordance with the provided specifications.	No	1	1,614.25	435.85	27%	410.02	20%	147.61	6%	13.75	2,621.47	2,621.47		2,726	16%	436	3,162	3,400	238.01	7.00 %	3,400	
		Supply, installation and commissioning of BOD Reactor (BD01/01), including all accessories required for installation and operation, complete in all respects, in accordance with the provided specifications.	No	1	2,935.00	792.45	27%	745.49	20%	268.38	6%	25.00	4,766.32	4,766.32		2,726	16%	436	3,162	3,400	238.01	7.00 %	3,400	
		Supply, installation and commissioning of Incubator (IT01/01), including all accessories required for installation and operation,	No	1	4,402.50	1,188.68	27%	1,118.24	20%	402.56	6%	37.50	7,149.47	7,149.47		6,815	16%	1,090	7,905	8,500	595.03	7.00 %	8,500	

Item No.	Ref. Spec.	Description	Unit	Qty.	Foreign Component (Price in US\$)										Local Component (Price in PKR)									
					Unit Cost CIF Sialkot Dryport (A)	Duties, Levies & Custom Clearance (B)	%	Sales Tax (C)	%	WHT (D)	%	Delivery at Site (E)	Unit Cost (A+B+C+D +E)	Total Cost	Unit Cost (including delivery at site) (A)	Unit Cost (including installation, commissioning and testing) (B)	Sales Tax, %	Sales Tax (C)	Unit Cost incl. Sales Tax	Total Unit Cost incl. WHT of 7% on Services & 4% on Local Supplies	WHT (D)	Average WHT as % of Total Unit Cost	Total Cost	
		complete in all respects, in accordance with the provided specifications.																						
		Supply, installation and commissioning of Spectrophotometer (Visible) (SPM01/01), including all accessories required for installation and operation, complete in all respects, in accordance with the provided specifications.	No	1	7,337.50	1,981.13	27%	1,863.73	20%	670.94	6%	62.50	11,915.79	11,915.79		6,815	16%	1,090	7,905	8,500	595.03	7.00 %	8,500	
		Total												57,014.68					-	-	-		57,803	
13		LABORATORY GLASSWARE AND MINOR ITEMS																	-	-	-		-	
		Supply of Aluminium Weighing Dish, including all accessories required for operation, complete in all respects, in accordance with the following specifications.	No	100	70.44	19.02	27%	17.89	20.00 %	6.44	6%	0.60	114.39	11,439					-	-	-		-	
		Size: 57mm																		-	-	-		-
		Make: Local																		-	-	-		-
		Supply of Beaker, including all accessories required for operation, complete in all respects, in accordance with the following specifications.	No	1	23.48	6.34	27%	5.96	20%	2.15	6%	0.20	38.13	38.13					-	-	-		-	
		Size: 250 ml, Plastic (Electrode Washing)																		-	-	-		-
		Make: AZLON																		-	-	-		-
		Supply of Beaker, including all accessories required for operation, complete in all respects, in accordance with the following specifications.	No	2	52.83	14.26	27%	13.42	20%	4.83	6%	0.45	85.79	171.59					-	-	-		-	
		Size: 250 ml																		-	-	-		-
		Make: PYREX																		-	-	-		-
		Supply of China Dish, including all accessories required for operation, complete in all respects, in accordance with the following specifications.	No	6	8.81	2.38	27%	2.24	20%	0.81	6%	0.08	14.32	85.92					-	-	-		-	
		Size: 100 cc																		-	-	-		-
		Make: China																		-	-	-		-
		Supply of China Dish, including all accessories required for operation, complete in all respects, in accordance with the following specifications.	No	0	11.74	3.17	27%	2.98	20%	1.07	6%	0.10	19.06	-					-	-	-		-	

Item No.	Ref. Spec.	Description	Unit	Qty.	Foreign Component (Price in US\$)								Local Component (Price in PKR)											
					Unit Cost CIF Sialkot Dryport (A)	Duties, Levies & Custom Clearance (B)	%	Sales Tax (C)	%	WHT (D)	%	Delivery at Site (E)	Unit Cost (A+B+C+D+E)	Total Cost	Unit Cost (including delivery at site) (A)	Unit Cost (including installation, commissioning and testing) (B)	Sales Tax, %	Sales Tax (C)	Unit Cost incl. Sales Tax	Total Unit Cost incl. WHT of 7% on Services & 4% on Local Supplies	WHT (D)	Average WHT as % of Total Unit Cost	Total Cost	
		Size: 250 cc																	-	-	-		-	
		Make: China																		-	-	-		-
		Supply of Container, including all accessories required for operation, complete in all respects, in accordance with the following specifications.			No	3	5.87	1.58	27%	1.49	20%	0.54	6%	0.05	9.53	28.60					-	-	-	
		Size: 100 ml, Plastic																		-	-	-		-
		Make: Local																		-	-	-		-
		Supply of Cylinder, including all accessories required for operation, complete in all respects, in accordance with the following specifications.	No	1	2.35	0.63	27%	0.60	20%	0.21	6%	0.02	3.82	3.82					-	-	-		-	
		Size: 25 ml																		-	-	-		-
		Make: PYREX																		-	-	-		-
		Supply of Cylinder, including all accessories required for operation, complete in all respects, in accordance with the following specifications.	No	1	2.35	0.63	27%	0.60	20%	0.21	6%	0.02	3.82	3.82					-	-	-		-	
		Size: 50 ml																		-	-	-		-
		Make: PYREX																		-	-	-		-
		Supply of Cylinder, including all accessories required for operation, complete in all respects, in accordance with the following specifications.	No	1	2.35	0.63	27%	0.60	20%	0.21	6%	0.02	3.82	3.82					-	-	-		-	
		Size: 100 ml																		-	-	-		-
		Make: PYREX																		-	-	-		-
		Supply of Dassicator (Vaccum), including all accessories required for operation, complete in all respects, in accordance with the following specifications.	No	1	234.80	63.40	27%	59.64	20%	21.47	6%	2.00	381.31	381.31					-	-	-		-	
		Size: 300 mm																		-	-	-		-
		Make: Germany																		-	-	-		-
		Supply of Filtration Apparatus with Receiving Flask, including all accessories required for operation, complete in all respects, in accordance with the following specifications.	No	1	587.00	158.49	27%	149.10	20%	53.68	6%	5.00	953.26	953.26					-	-	-		-	
		Size: 1 Liter																		-	-	-		-
		Make: SHORT DURAN																		-	-	-		-
		Supply of Flask (Volumetric), including all accessories required for operation, complete in all respects, in accordance with the following	No	1	58.70	15.85	27%	14.91	20%	5.37	6%	0.50	95.33	95.33					-	-	-		-	

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					Unit Cost CIF Sialkot Dryport (A)	Duties, Levies & Custom Clearance (B)	%	Sales Tax (C)	%	WHT (D)	%	Delivery at Site (E)	Unit Cost (A+B+C+D +E)	Total Cost	Unit Cost (including delivery at site) (A)	Unit Cost (including installation, commissioning and testing) (B)	Sales Tax, %	Sales Tax (C)	Unit Cost incl. Sales Tax	Total Unit Cost incl. WHT of 7% on Services & 4% on Local Supplies	WHT (D)	Average WHT as % of Total Unit Cost	Total Cost
		specifications.																					
		Size: 25 ml																	-	-	-		-
		Make: PYREX																	-	-	-		-
		Supply of Flask (Volumetric), including all accessories required for operation, complete in all respects, in accordance with the following specifications.	No	1	88.05	23.77	27%	22.36	20%	8.05	6%	0.75	142.99	142.99					-	-	-		-
		Size: 50 ml																	-	-	-		-
		Make: PYREX																	-	-	-		-
		Supply of Flask (Volumetric), including all accessories required for operation, complete in all respects, in accordance with the following specifications.	No	1	117.40	31.70	27%	29.82	20%	10.74	6%	1.00	190.65	190.65					-	-	-		-
		Size: 100 ml																	-	-	-		-
		Make: PYREX																	-	-	-		-
		Supply of Funnel, including all accessories required for operation, complete in all respects, in accordance with the following specifications.	No	2	46.96	12.68	27%	11.93	20%	4.29	6%	0.40	76.26	152.52					-	-	-		-
		Size: 75 mm																	-	-	-		-
		Make: PYREX																	-	-	-		-
		Supply of IMHOFF Cone, including all accessories required for operation, complete in all respects, in accordance with the following specifications.	No	2	223.06	60.23	27%	56.66	20%	20.40	6%	1.90	362.24	724.48					-	-	-		-
		Size: 1 Liter, Plastic																	-	-	-		-
		Make: SHORT DURAN																	-	-	-		-
		Supply of Magnetic Stirrer, including all accessories required for operation, complete in all respects, in accordance with the following specifications.	No	2	352.20	95.09	27%	89.46	20%	32.21	6%	3.00	571.96	1,143.92					-	-	-		-
		Size: 40 mm, Teflon Coated																	-	-	-		-
		Make: Local																	-	-	-		-
		Supply of Mortar & Pestles (Ceramic), including all accessories required for operation, complete in all respects, in accordance with the following specifications.	No	1	41.09	11.09	27%	10.44	20%	3.76	6%	0.35	66.73	66.73					-	-	-		-
		Make: Local																	-	-	-		-

Item No.	Ref. Spec.	Description	Unit	Qty.	Foreign Component (Price in US\$)									Local Component (Price in PKR)										
					Unit Cost CIF Sialkot Dryport (A)	Duties, Levies & Custom Clearance (B)	%	Sales Tax (C)	%	WHT (D)	%	Delivery at Site (E)	Unit Cost (A+B+C+D +E)	Total Cost	Unit Cost (including delivery at site) (A)	Unit Cost (including installation, commissioning and testing) (B)	Sales Tax, %	Sales Tax (C)	Unit Cost incl. Sales Tax	Total Unit Cost incl. WHT of 7% on Services & 4% on Local Supplies	WHT (D)	Average WHT as % of Total Unit Cost	Total Cost	
		Supply of Pipette, including all accessories required for operation, complete in all respects, in accordance with the following specifications.	No	2	15.26	4.120	27%	3.88	20%	1.40	6%	0.13	24.78	49.56					-	-	-		-	
		Size: 2 ml Graduated																		-	-	-		-
		Make: PYREX – A Class																		-	-	-		-
		Supply of Pipette, including all accessories required for operation, complete in all respects, in accordance with the following specifications.	No	2	23.48	6.34	27%	5.96	20%	2.15	6%	0.20	38.13	76.26					-	-	-		-	
		Size: 5 ml Graduated																		-	-	-		-
		Make: PYREX – A Class																		-	-	-		-
		Supply of Pipette, including all accessories required for operation, complete in all respects, in accordance with the following specifications.	No	2	35.22	9.51	27%	8.95	20%	3.22	6%	0.30	57.20	114.39					-	-	-		-	
		Size: 10 ml Graduated																		-	-	-		-
		Make: PYREX – A Class																		-	-	-		-
		Supply of Pipette Wide Bore (4 mm), including all accessories required for operation, complete in all respects, in accordance with the following specifications.	No	2	29.35	7.92	27%	7.45	20%	2.68	6%	0.25	47.66	95.33					-	-	-		-	
		Size: 10 ml Graduated																		-	-	-		-
		Make: PYREX – A Class																		-	-	-		-
		Supply of Pipette Sucker/Filler (Rubber), including all accessories required for operation, complete in all respects, in accordance with the following specifications.	No	3	46.96	12.68	27%	11.93	20%	4.29	6%	0.40	76.26	228.78					-	-	-		-	
		Make: France or Germany																		-	-	-		-
		Supply of Rack for Pipettes (Plastic), including all accessories required for operation, complete in all respects, in accordance with the following specifications.	No	1	41.09	11.09	27%	10.44	20%	3.76	6%	0.35	66.73	66.73					-	-	-		-	
		Make: Local																		-	-	-		-
		Supply of Spatula, including all accessories required for operation, complete in all respects, in accordance with the following specifications.	No	2	5.87	1.58	27%	1.49	20%	0.54	6%	0.05	9.53	19.07					-	-	-		-	
		Make: Local																		-	-	-		-
		Supply of Specific Gravity Bottle, including all accessories required for operation, complete in all respects, in accordance with	No	1	117.40	31.70	27%	29.82	20%	10.74	6%	1.00	190.65	190.65					-	-	-		-	

Item No.	Ref. Spec.	Description	Unit	Qty.	Foreign Component (Price in US\$)									Local Component (Price in PKR)										
					Unit Cost CIF Sialkot Dryport (A)	Duties, Levies & Custom Clearance (B)	%	Sales Tax (C)	%	WHT (D)	%	Delivery at Site (E)	Unit Cost (A+B+C+D +E)	Total Cost	Unit Cost (including delivery at site) (A)	Unit Cost (including installation, commissioning and testing) (B)	Sales Tax, %	Sales Tax (C)	Unit Cost incl. Sales Tax	Total Unit Cost incl. WHT of 7% on Services & 4% on Local Supplies	WHT (D)	Average WHT as % of Total Unit Cost	Total Cost	
		the following specifications.																						
		Size: 25 ml																		-	-	-		-
		Make: MBL, UK																		-	-	-		-
		Supply of Stand with Clamps (Iron), including all accessories required for operation, complete in all respects, in accordance with the following specifications.	No	2	29.35	7.92	27%	7.45	20%	2.68	6%	0.25	47.66	95.33					-	-	-		-	
		Make: Local																-	-	-		-		
		Supply of Tong and Forceps, including all accessories required for operation, complete in all respects, in accordance with the following specifications.	No	2	35.22	9.51	27%	8.95	20%	3.22	6%	0.30	57.20	114.39					-	-	-		-	
		Make: Local																-	-	-		-		
		Supply of Washing Bottle, including all accessories required for operation, complete in all respects, in accordance with the following specifications.	No	4	152.62	41.21	27%	38.77	20%	13.96	6%	1.30	247.86	991.42					-	-	-		-	
		Size: 500 ml, Plastic																-	-	-		-		
		Make: Germany																-	-	-		-		
		Supply of Watch Glass, including all accessories required for operation, complete in all respects, in accordance with the following specifications.	No	4	17.61	4.75	27%	4.47	20%	1.61	6%	0.15	28.60	114.39					-	-	-		-	
		Make: Local																-	-	-		-		
		Total												17,782.33				-	-	-		-		
14		LABORATORY CHMICALS (INITIAL INVANTORY)																-	-	-		-		
		Supply of Buffer Solution 4 for calibration of pH meter, complete in all respects, in accordance with the following specifications.	Lit	0.5	211.32	57.06	27%	53.68	20%	19.32	6%	1.80	343.17	171.59					-	-	-		-	
		Make: MERCK, RDH or SIGMA																-	-	-		-		
		Supply of Buffer Solution 7 for calibration of pH meter, complete in all respects, in accordance with the following specifications.	Lit	0.5	211.32	57.06	27%	53.68	20%	19.32	6%	1.80	343.17	171.59					-	-	-		-	
		Make: MERCK, RDH or SIGMA																-	-	-		-		
		Supply of Buffer Solution 10 for calibration of pH meter, complete in all respects, in accordance with the following	Lit	0.5	211.32	57.06	27%	53.68	20%	19.32	6%	1.80	343.17	171.59					-	-	-		-	

Item No.	Ref. Spec.	Description	Unit	Qty.	Foreign Component (Price in US\$)									Local Component (Price in PKR)									
					Unit Cost CIF Sialkot Dryport (A)	Duties, Levies & Custom Clearance (B)	%	Sales Tax (C)	%	WHT (D)	%	Delivery at Site (E)	Unit Cost (A+B+C+D +E)	Total Cost	Unit Cost (including delivery at site) (A)	Unit Cost (including installation, commissioning and testing) (B)	Sales Tax, %	Sales Tax (C)	Unit Cost incl. Sales Tax	Total Unit Cost incl. WHT of 7% on Services & 4% on Local Supplies	WHT (D)	Average WHT as % of Total Unit Cost	Total Cost
		specifications.																					
		Make: MERCK, RDH or SIGMA																	-	-	-		-
		Supply of COD Reagent Vials (Range 0 – 1500), complete in all respects, in accordance with the following specifications.	No	25	7.04	1.90	27%	1.79	20%	0.64	6%	0.06	11.43	285.75					-	-	-		-
		Make: MERCK or HACH																	-	-	-		-
		Supply of Filter Discs, complete in all respects, in accordance with the following specifications.	No	100	1.76	0.48	27%	0.45	20%	0.16	6%	0.02	2.87	287					-	-	-		-
		Size: 47 mm, Glass Fiber																	-	-	-		-
		Make: WHATMAN																	-	-	-		-
		Supply of Filter Paper Sheet, complete in all respects, in accordance with the following specifications.	No	25	3.52	0.95	27%	0.89	20%	0.32	6%	0.03	5.71	142.75					-	-	-		-
		Make: Local																	-	-	-		-
		Supply of Hydrochloric Acid (Commercial Grade), complete in all respects, in accordance with the following specifications.	Lit	2.5	176.10	47.55	27%	44.73	20%	16.10	6%	1.50	285.98	714.95					-	-	-		-
		Make: Local																	-	-	-		-
		Supply of Silica Gel, complete in all respects, in accordance with the following specifications.	kg	1	117.40	31.70	27%	29.82	20%	10.74	6%	1.00	190.66	190.66					-	-	-		-
		Make: MERCK, RDH or SIGMA																	-	-	-		-
		Supply of Standard Solution with COD of 1000 mg/l, complete in all respects, in accordance with the following specifications.	Lit	0.2	234.80	63.40	27%	59.64	20%	21.47	6%	2.00	381.31	76.26					-	-	-		-
		Make: MERCK or HACH																	-	-	-		-
		Total												2,211.66					-	-	-		-
15	19.1, 19.2, 20A, 20B	PIPES AND FITTINGS																	-	-	-		-
		Supply, Installation, testing & commissioning of MS Pipe (Schedule 40) including butterfly valves, tees, elbows, flanged joints, reducers, rubber gaskets, nuts and bolts including fixing the pipe with suitable flat iron strip clamps/bracket, painting etc. complete as required for	Job																-	-	-		-

Item No.	Ref. Spec.	Description	Unit	Qty.	Foreign Component (Price in US\$)										Local Component (Price in PKR)									
					Unit Cost CIF Sialkot Dryport (A)	Duties, Levies & Custom Clearance (B)	%	Sales Tax (C)	%	WHT (D)	%	Delivery at Site (E)	Unit Cost (A+B+C+D +E)	Total Cost	Unit Cost (including delivery at site) (A)	Unit Cost (including installation, commissioning and testing) (B)	Sales Tax, %	Sales Tax (C)	Unit Cost incl. Sales Tax	Total Unit Cost incl. WHT of 7% on Services & 4% on Local Supplies	WHT (D)	Average WHT as % of Total Unit Cost	Total Cost	
		delivery/suction manifold relating to the pumps, including all accessories required for installation and operation, complete in all respects, in accordance with the contract documents and as directed by the Engineer.																	-	-	-		-	
		DN150	RM	100	900.10	45.01	5%	189.02	20%	68.05	6.0 %	7.67	1,209.85	120,985		27,773	16%	4,444	32,217	34,642	2,424.91	7.00 %	3,464,159	
		DN 200	RM	150	47.59	2.38	5%	9.99	20%	3.60	6.0 %	0.41	63.97	9,595.50		53,721	16%	8,595	62,316	67,007	4,690.48	7.00 %	10,051,026	
		DN 300	RM	70	1,421.99	71.10	5%	298.62	20%	107.50	6.0 %	12.11	1,911.32	133,792.39		81,624	16%	13,060	94,684	101,811	7,126.74	7.00 %	7,126,741	
		Total											264,372.63						-	-	-		20,641,926	
16	20.20, 20A, 20B	SLUICE GATES																	-	-	-		-	
		Providing, fabricating and installing (SS 316L) hand operated mechanical sluice gates, including SS 316L angle frame, shaft and wheel, fixing and anchoring materials complete in all respects, as per contract documents, Drawings and as directed by the Engineer.																	-	-	-		-	
		600 mm (width) x 2000 mm (Height)	No	4	7,865.80	1,022.55	13%	1,777.67	20%	639.96	6%	67.00	11,372.99	45,491.95		163,535	16%	26,166	189,701	203,979	14,278.54	7.00 %	815,917	
		1100 mm (width) x 1500 mm (Height)	No	2	7,631.00	992.03	13%	1,724.61	20%	620.86	6%	65.00	11,033.49	22,066.99		163,535	16%	26,166	189,701	203,979	14,278.54	7.00 %	407,958	
		1100 mm (width) x 850 mm (Height)	No	2	6,926.60	900.46	13%	1,565.41	20%	563.55	6%	59.00	10,015.02	20,030.04		163,535	16%	26,166	189,701	203,979	14,278.54	7.00 %	407,958	
		Total											87,588.97						-	-	-		1,631,833	
17	16	ELECTRICAL WORKS																	-	-	-		-	
		Following items of works (unless specifically stated otherwise) required for proper completion of each item as per specifications (Section-16 "General Provision for Electrical Works" shall be applicable to all BOQ items).																	-	-	-		-	
17.1	16.2, 16.13	DISTRIBUTION TRANSFORMER																	-	-	-		-	
		Following type of DRY type indoor distribution tranformer.																	-	-	-		-	
		a) 11/0.4 kV low losses, 3 phase, distribution transformer 1000 kVA,	No.	1	49,871.52	13,465.31	27%	12,667.37	20%	4,560.25	6%	424.80	80,989.25	80,989.25		251,775	16%	40,284	292,059	314,042	21,982.94	7.00 %	314,042	
		Spare parts for tranformer as standard requirment	Lot	1	4,987.15	1,346.53	27%	1,266.74	20%	456.02	6%	42.48	8,098.92	8,098.92		0		0	-	-	-		-	
17.2	16.1, 16.13, 16A	LOW VOLTAGE DIESEL GENERATOR (DG) SET																	-	-	-		-	
		Following are the Low Voltage Diesel generator Sets.																	-	-	-		-	

Item No.	Ref. Spec.	Description	Unit	Qty.	Foreign Component (Price in US\$)										Local Component (Price in PKR)									
					Unit Cost CIF Sialkot Dryport (A)	Duties, Levies & Custom Clearance (B)	%	Sales Tax (C)	%	WHT (D)	%	Delivery at Site (E)	Unit Cost (A+B+C+D +E)	Total Cost	Unit Cost (including delivery at site) (A)	Unit Cost (including installation, commissioning and testing) (B)	Sales Tax, %	Sales Tax (C)	Unit Cost incl. Sales Tax	Total Unit Cost incl. WHT of 7% on Services & 4% on Local Supplies	WHT (D)	Average WHT as % of Total Unit Cost	Total Cost	
		a) 600 kW	No.	1											6,385,500	671,400	17% & 16%	1,192,959	8,249,859	8,619,773	369,914.29	4.29%	8,619,773	
17.3	16.4,16.9,16.13, 16A	<u>L.T SWITCHBOARD</u>																	-		-		-	
		Following are the L.V Switchboard.																	-		-		-	
		a) SB-1 including 250 kVAR automatic cum manual PFI plant (6 stages).	Job	1	4,848.62	630.32	13%	1,095.79	20%	394.48	6%	41.30	7,010.51	7,010.51		503,550	16%	80,568	584,118	628,084	43,965.87	7.00%	628,084	
		b) ESB-0	Job	1	3,463.30	450.23	13%	782.71	20%	281.77	6%	29.50	5,007.51	5,007.51		503,550	16%	80,568	584,118	628,084	43,965.87	7.00%	628,084	
17.4	16.6, 16.13, 16A	<u>MOTOR CONTROL CENTERS</u>																	-	-	-		-	
		Following are the MCC-Panels.																	-	-	-		-	
		a) MCC-Panel-1	Job	1	101,485.77	27,401.16	27%	25,777.39	20%	9,279.86	6%	864.44	164,808.61	164,808.61		923,175	16%	147,708	1,070,883	1,151,487	80,604.10	7.00%	1,151,487	
		<u>CONTROL PANELS</u>																	-	-	-		-	
		Following are the equipment for SCADA Control Panel.																	-	-	-		-	
		a) Power Supply	No.	2	789.63	213.20	27%	200.57	20%	72.20	6%	6.73	1,282.33	2,564.66					-	-	-		-	
		b) PLC	No.	1	5,343.18	1,442.66	27%	1,357.17	20%	488.58	6%	45.51	8,677.10	8,677.10		67,140	16%	10,742	77,882	83,745	5,862.12	7.00%	83,745	
		c) Backplane 1	No.	2	561.05	151.48	27%	142.51	20%	51.30	6%	4.78	911.12	1,822.25		25,178	16%	4,028	29,206	31,405	2,198.34	7.00%	62,810	
		d) Backplane Expander	No.	2	561.05	151.48	27%	142.51	20%	51.30	6%	4.78	911.12	1,822.25		5,036	16%	806	5,842	6,281	439.70	7.00%	12,563	
		e) Backplane Expander Cable (1 m)	No.	1	96.97	26.18	27%	24.63	20%	8.87	6%	0.83	157.48	157.48		2,518	16%	403	2,921	3,141	219.85	7.00%	3,141	
		f) Empty Module	No.	5	789.63	213.20	27%	200.57	20%	72.20	6%	6.73	1,282.33	6,411.65		1,679	16%	269	1,948	2,094	146.60	7.00%	10,471	
		g) Terminal Strip 40 Points	No.	22	47.10	12.72	27%	11.96	20%	4.31	6%	0.40	76.49	1,682.72		1,679	16%	269	1,948	2,094	146.60	7.00%	46,073	
		h) Communication Module	No.	1	380.96	102.86	27%	96.76	20%	34.83	6%	3.25	618.67	618.67		840	16%	134	974	1,048	73.34	7.00%	1,048	
		i) Discrete input Module	No.	11	354.64	95.75	27%	90.08	20%	32.43	6%	3.02	575.92	6,335.12		840	16%	134	974	1,048	73.34	7.00%	11,525	
		j) Analoge input Module	No.	4	854.74	230.78	27%	217.10	20%	78.16	6%	7.28	1,388.06	5,552.24		1,679	16%	269	1,948	2,094	146.60	7.00%	8,377	
		k) Discrete output Module	No.	6	263.21	71.07	27%	66.86	20%	24.07	6%	2.24	427.44	2,564.64		1,679	16%	269	1,948	2,094	146.60	7.00%	12,565	
		l) Analoge output Module	No.	1	598.46	161.58	27%	152.01	20%	54.72	6%	5.10	971.88	971.88		1,679	16%	269	1,948	2,094	146.60	7.00%	2,094	
		m) EGX-100 GATEWAY	No.	4	1,122.11	302.97	27%	285.02	20%	102.61	6%	9.56	1,822.26	7,289.05		1,679	16%	269	1,948	2,094	146.60	7.00%	8,377	
		n) Power Supply	No.	4	831.19	224.42	27%	211.12	20%	76.00	6%	7.08	1,349.82	5,399.27		16785	16%	2,686	19,471	20,936	1,465.53	7.00%	83,745	
		o) Ethernet Switch(Ethernet Managed Switch 6TX/2FX Multi-mode)	No.	1	1,385.32	374.04	27%	351.87	20%	126.67	6%	11.80	2,249.70	2,249.70		33,570	16%	5,371	38,941	41,872	2,931.06	7.00%	41,872	
		p) Ethernet Switch(Ethernet Managed Switch 2TX/2FX Multi-mode)	No.	1	1,246.79	336.63	27%	316.68	20%	114.01	6%	10.62	2,024.73	2,024.73		33,570	16%	5,371	38,941	41,872	2,931.06	7.00%	41,872	
		q) Patch Panel	No.	2	110.83	29.92	27%	28.15	20%	10.13	6%	0.94	179.98	359.96		25,178	16%	4,028	29,206	31,405	2,198.34	7.00%	62,810	
		r) Patch cord	No.	8	23.55	6.36	27%	5.98	20%	2.15	6%	0.20	38.24	305.95		16,785	16%	2,686	19,471	20,936	1,465.53	7.00%	167,489	

Item No.	Ref. Spec.	Description	Unit	Qty.	Foreign Component (Price in US\$)										Local Component (Price in PKR)									
					Unit Cost CIF Sialkot Dryport (A)	Duties, Levies & Custom Clearance (B)	%	Sales Tax (C)	%	WHT (D)	%	Delivery at Site (E)	Unit Cost (A+B+C+D +E)	Total Cost	Unit Cost (including delivery at site) (A)	Unit Cost (including installation, commissioning and testing) (B)	Sales Tax, %	Sales Tax (C)	Unit Cost incl. Sales Tax	Total Unit Cost incl. WHT of 7% on Services & 4% on Local Supplies	WHT (D)	Average WHT as % of Total Unit Cost	Total Cost	
		s) Relays	No.	192	23.55	6.36	27%	5.98	20%	2.15	6%	0.20	38.24	7,342.08		5,036	16%	806	5,842	6,281	439.70	7.00 %	1,206,041	
		t) PC Vue(single station) with SQL Server ad Dream Repor	No.	1	2,355.04	635.86	27%	598.18	20%	215.34	6%	20.06	3,824.49	3,824.49		83,925	16%	13,428	97,353	104,681	7,327.65	7.00 %	104,681	
		u) SQL Server	No.	1	13,853.20	3,740.36	27%	3,518.71	20%	1,266.74	6%	118.00	22,497.01	22,497.01		33,570	16%	5,371	38,941	41,872	2,931.06	7.00 %	41,872	
		Battery backup Panels.	Job	1	5,541.28	1,496.15	27%	1,407.49	20%	506.69	6%	47.20	8,998.81	8,998.81		0		0	-	-	-		-	
17.5	16.7, 16.9, 16, 13	LIGHT FIXTURES																	-	-	-		-	
		Following type of Philips make or approved equivalent Light Fixtures.																	-	-	-		-	
		a) Philips make BGP 762 LED 149-/740 I DM50 DGR 32-48 complete in all respects.	No.	91	-	-	-	-	-	-	-	-	-	-	53,496	8,393	17% & 16%	10,437	72,326	75,667	3,340.74	4.42 %	6,885,691	
		b) Philips make Tempo LED Flood Light BVP163 LED220/CW 220W 220-240V SWB GM complete in all respects.	No.	6	-	-	-	-	-	-	-	-	-	-	140,932	8,393	17%&16%	25,301	174,626	182,230	7,603.24	4.17 %	1,093,377	
17.6	16.9	LOW TENSION CABLES																	-	-	-		-	
		Laying and termination of following sizes LT Cables. Note: 1. sizes / length of cables are already provided at site, the successful bidder must try to maximum utilize these cables. 2. If, in case bidder's feels very essential to get some more / other cables then they can incorporate it in their electromechanical bid. 3. Client will not provide any cables other than mentioned above. It will be the responsibility of Electro-mechanical contractor to arrange any other cables required. 4. The termination of all cables including conducts, cable trays, jointing, laying, accessories, etc, will be in scope of Electro-mechanical contractor.																	-	-	-		-	
		a) 4 core 95 sq.mm Armoured PVC cable	Mtr.	3825		-		-		-						54	16%	8.64	63	67	4.71	7.00 %	257,632	
		b) 4 core 16 sq.mm Armoured PVC cable	Mtr.	4120		-		-		-						42	16%	6.72	49	52	3.67	7.00 %	215,835	
		c) 4 core 6 sq.mm Armoured PVC cable	Mtr.	6900		-		-		-						31	16%	4.96	36	39	2.71	7.00 %	266,800	
		d) 4 core 4 sq.mm Armoured PVC cable	Mtr.	9500		-		-		-						31	16%	4.96	36	39	2.71	7.00 %	367,333	
		e) 4 core 2.5 sq.mm Armoured PVC cable	Mtr.	16830		-		-		-						27	16%	4.32	31	34	2.36	7.00 %	566,791	
		f) 4 core 1.5 sq.mm Armoured PVC cable	Mtr.	12000		-		-		-						27	16%	4.32	31	34	2.36	7.00 %	404,129	

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					Unit Cost CIF Sialkot Dryport (A)	Duties, Levies & Custom Clearance (B)	%	Sales Tax (C)	%	WHT (D)	%	Delivery at Site (E)	Unit Cost (A+B+C+D +E)	Total Cost	Unit Cost (including delivery at site) (A)	Unit Cost (including installation, commissioning and testing) (B)	Sales Tax, %	Sales Tax (C)	Unit Cost incl. Sales Tax	Total Unit Cost incl. WHT of 7% on Services & 4% on Local Supplies	WHT (D)	Average WHT as % of Total Unit Cost	Total Cost	
		g) 4 core 10 sq.mm Armoured PVC cable	Mtr.	8020		-		-		-						37	16%	5.92	43	46	3.23	7.00 %	370,127	
		i) 12 core 1sq.mm Pvc Flexible cable	Mtr.	9600		-		-		-						51	16%	8.16	59	64	4.45	7.00 %	610,684	
		j) 4 core 1sq.mm Pvc flexible cable	Mtr.	7400		-		-		-						27	16%	4.32	31	34	2.36	7.00 %	249,213	
		k) 3core 0.75sq.mm PVC flexible cable	Mtr.	9,500		-		-		-						27	16%	4.32	31	34	2.36	7.00 %	319,935	
		l) 1-core 50sq.mm PVC as ECC.	Mtr.	80		-		-		-						42	16%	6.72	49	52	3.67	7.00 %	4,191	
		m) 1-core 25sq.mm PVC as ECC.	Mtr.	70		-		-		-						42	16%	6.72	49	52	3.67	7.00 %	3,667	
		n) 1-core 16sq.mm PVC as ECC.	Mtr.	1,410		-		-		-						31	16%	4.96	36	39	2.71	7.00 %	54,520	
		o) 1-core 10sq.mm PVC as ECC.	Mtr.	100		-		-		-						31	16%	4.96	36	39	2.71	7.00 %	3,867	
		p) 1-core 6sq.mm PVC as ECC.	Mtr.	80		-		-		-						24	16%	3.84	28	30	2.10	7.00 %	2,395	
		q) 1-core 4sq.mm PVC as ECC.	Mtr.	110		-		-		-						24	16%	3.84	28	30	2.10	7.00 %	3,293	
17.7		Excavation & Backfilling including bedding in all kinds of soil upto any depth including disposal of surplus, excavated rejected material to designated place.	M³	1,134		-		-		-						1771	16%	283.36	2,054	2,209	154.63	7.00 %	2,504,994	
																	-	-	-		-			
17.8	16.9,16.10,16.12,16.13,16.14	<u>WIRING</u>																		-	-	-		-
		Following type of wiring of Road Light fixtures from all DB-EXT to 1st light pole																		-	-	-		-
		a) With 16sq.mm 4-C PVC/PVC cable in 32mm dia PVC conduit.	No.	4	2,391.06	215.20	9%	521.25	20%	187.65	6%	20.37	3,335.53	13,342.12		2,518	16%	403	2,921	3,141	219.85	7.00 %	12,563	
		b) With 10sq.mm 4-C PVC/PVC cable in 32mm dia PVC conduit.	No.	1	13,569.21	1,221.23	9%	2,958.09	20%	1,064.91	6%	115.58	18,929.02	18,929.02		2,518	16%	403	2,921	3,141	219.85	7.00 %	3,141	
		Following type of wiring of Road Light fixtures from Light Pole to Light Pole																-	-	-	-		-	
		a) With 10sq.mm 4-C PVC/PVC cable in 32mm dia PVC conduit.	No.	87	904.61	81.41	9%	197.20	20%	70.99	6%	7.71	1,261.92	109,787.04		1,679	16%	269	1,948	2,094	146.60	7.00 %	182,199	
		b) With 10sq.mm 4-C PVC/PVC cable in 32mm dia PVC conduit.	No.	5	7,854.76	706.93	9%	1,712.34	20%	616.44	6%	66.91	10,957.38	54,786.89		1,679	16%	269	1,948	2,094	146.60	7.00 %	10,471	
17.9	16.12	<u>CONDUITS</u>																	-	-	-		-	
		Following sizes of conduit																	-	-	-		-	
		a) 32mm dia	Mtr.	2000											91	34	17% & 16%	20.91	146	153	7.40	4.83 %	306,630	
17.10	16.14	<u>MISCELLANEOUS ITEMS</u>																	-	-	-		-	
		Following epoxy painted Imported tubular lighting columns																	-	-	-		-	
		a) 9m high column having single arm	No.	91											36,383	33,570	17%&16%	11,556	81,509	86,214	4,704.73	5.46 %	7,845,478	

Item No.	Ref. Spec.	Description	Unit	Qty.	Foreign Component (Price in US\$)										Local Component (Price in PKR)									
					Unit Cost CIF Sialkot Dryport (A)	Duties, Levies & Custom Clearance (B)	%	Sales Tax (C)	%	WHT (D)	%	Delivery at Site (E)	Unit Cost (A+B+C+D +E)	Total Cost	Unit Cost (including delivery at site) (A)	Unit Cost (including installation, commissioning and testing) (B)	Sales Tax, %	Sales Tax (C)	Unit Cost incl. Sales Tax	Total Unit Cost incl. WHT of 7% on Services & 4% on Local Supplies	WHT (D)	Average WHT as % of Total Unit Cost	Total Cost	
		Following size of RCC pipe.															-	-	-	-		-		
		a) 300mm dia	Mtr.	550											4,811	202	17% & 16%	850	5,863	6,115	252.17	4.12 %	3,363,450	
		RCC Handhole of internal dimensions 900 mm x 900 mm x 600 mm with heavy duty CI cover of 950 mm x 950 mm with frame.	Job	30	83.12	-	0%	16.62	20%	5.98	6%	0.71	106.43	3,192.90		58,748	16%	9,400	68,148	73,277	5,129.40	7.00 %	2,198,312	
17.11	16.5, 16.13	<u>L.T DISTRIBUTION BOARDS</u>															-	-	-	-		-		
		a) DB1- EXT	Job	1	2,770.64	748.07	27%	703.74	20%	253.35	6%	23.60	4,499.40	4,499.40		41,963	16%	6,714	48,677	52,341	3,663.87	7.00 %	52,341	
		b) DB2- EXT	Job	1	2,770.64	748.07	27%	703.74	20%	253.35	6%	24.60	4,500.40	4,500.40		41,963	16%	6,714	48,677	52,341	3,663.87	7.00 %	52,341	
		c) DB3- EXT	Job	1	2,770.64	748.07	27%	703.74	20%	253.35	6%	25.60	4,501.40	4,501.40		41,963	16%	6,714	48,677	52,341	3,663.87	7.00 %	52,341	
		Total												578,925.66									41,618,381	

2. (c) SCHEDULE OF PRICES (DAYWORK)
ICC – AMV

Item No.	Description	Nominal Quantity		UNIT RATE		TOTAL AMOUNT	
				US\$	PKR	US\$	PKR
1	Daywork-Labour						
1.1	Pipe Fitter	15	hrs		277		4,155
1.2	Crane Operator	15	hrs		431		6,465
1.3	Welder	10	hrs		339		3,390
1.4	Lifter Operator	5	hrs		308		1,540
1.5	Electrical Fitter	10	hrs		324		3,240
1.6	Control Panel Assembler	10	hrs		354		3,540
1.7	Electrical Wireman	15	hrs		324		4,860
1.8	Erection Supervisor	15	hrs		401		6,015
1.9	Skilled Labour	20	hrs		293		5,860
1.1	Unskilled Labour	30			193		5,790
2	Daywork - Contractor's Equipment						-
2.1	Crane	10	hrs		4,616		46,160
2.2	Lifter	10	hrs		2,308		23,080
2.3	Welding Machine	15	hrs		616		9,240
2.4	Grinding Machine	15	hrs		108		1,620
3	Daywork – Materials						-
3.1	Welding Rods (Mild Steel)	1	(pack 5 kg)		3,077		3,077
3.2	Grinding Dics	1	(pack 10 kg)		6,154		6,154
Total (to be carried to Summary of Bid Price)							134,186

Ref. No. 5202/1786

Dated: May 19, 2021

**Project Director,
Sialkot Tannery Zone (STZ),
Kuluwal Road, Khambranwala Chowk,
District Sialkot, Tehsil Sambrial.
Ph: 0300-6135131, 0309-8604687**

**Subject: Bid for Common Effluent Treatment Plant (CETP) for
Sialkot Tannery Zone – Electromechanical Works
Clarification regarding Quoted Prices**

Dear Sir,

Please refer to your Letter No. STAGL/05/2021/758 dated 4th May, 2021 regarding above subject. We clarify as under:

A) TAXES & DUTIES ON SUPPLY OF IMPORTED ITEMS

1. PCT codes on many of the items are not clear in the Customs Tariff. Each clearing agent therefore, puts such items under different codes; hence gives different opinion regarding duty structure. Final verdict is given by Custom officers at the time of clearance. So, it is very difficult to give a final figure at this stage.
2. Effluent Treatment Plants fall in THE FIFTH SCHEDULE of Custom Tariff. Please see at Sr. No. 19 of this schedule. Here Custom Duty of 0, 3 and 5 % has been mentioned. We had taken advantage of this concession where applicable.
3. In the Minutes of Pre-bid Meeting held on 29th July 2020, it has been mentioned at Sr. No. 2 that for financial comparison of bids, client will evaluate bid prices without duties and levies on imported components; and the custom clearance will be in the scope of Client. Therefore, the duty structure mentioned by the bidders becomes insignificant. The client will pay the duties and taxes directly to the Custom Authorities on actual.
4. Putting aside the above explanations, we have changed the custom duties and taxes as per your instructions. However, the percentage and value of actual taxes may be different in some cases from those considered at this stage. We understand that the payment will be made to us as per actual amounts paid by us to the Government.

**B) PROVINCIAL SALES TAX AND WITH-HOLDING TAX ON LOCAL ERECTION /
INSTALLATION WORK**

1. Figure of Provincial Sales Tax (PST) on services in Punjab taken by us as 15% was incorrect. It should have been 16%. So we have now revised it to 16%. Copy of relevant document (Second Schedule) issued by Punjab Revenue Authority is enclosed herewith. Figures of Sales Tax of 17 % and above are for supplies and not for services such as erection and installation work. Moreover Sales Tax on supplies is collected by the FBR while Sales tax on services is collected by provinces. Both have different rates and areas of application. So these (GST & PST) may not be confused with each other. In our case, most of the supplies are imported. So, sales tax on these will be paid by client at import stage; and the same has been mentioned in USD portion. However, a few items which will be supplied locally by ICC, we have taken Sales Tax figure of 17% as suggested by you.
2. Now, we discuss WHT. Withholding Tax on Services such as Erection/ Installation or Construction is 7%. Copy of relevant document issued by FBR is enclosed herewith. WHT at the same rate of 7% is being deducted by our clients such as NTDC. The same has been taken here by us. It is not 7.527% as stated by you. It is 7 % of total value (i.e. Invoice Value including WHT). For example, take the very first item. Total unit cost is Rs. 472,332/- while WHT is mentioned as Rs. 33,063.24. It is 7% of total unit cost.
3. WHT on Local Supplies is 4 %. There are a few items which will be supplied locally and then installed by us. If client agrees to allow the Contractor to issue separate invoices for supply portion and services portion (i.e. erection, etc.), then WHT on Invoices pertaining to supply only, will be 4 % and that on Services portion will be 7%. With the understanding that you will allow us to issue separate invoices for local supply and services, we have taken WHT of 4% on supplies and 7 % on services. If you don't agree to this arrangement, then you will deduct 7% WHT from all invoice amounts; and we shall have to revise the total unit cost and total cost for those items accordingly.

C) ARITHMATIC ERRORS IN QUOTED PRICES

1. There is no arithmetic error. Difference of one or two dollars or rupees at some places is due to rounding after the decimal point. This difference is negligible.
2. One major difference of USD 115 is in the price of Item No. 13, i.e. Laboratory Glassware and Minor items. In the BOQ given in the Tender Document, the quantity of China Dish of 250 CC was not mentioned. We had discussed this point on phone with Mr. Mohammad Atif, Project Director, who had advised us to consider the quantity of

this item as 6 Nos. So, we had mentioned this quantity and gave its price. Now, we have taken the quantity of this item as ZERO; and deleted the cost of this item from our price list.

3. Prices for supply of Low Tension Cables were given by us in the BOQ due to an overlook on our part. These cables are to be supplied by the client. So, we had corrected this error by putting a note on the price summary sheet and also by submitting a letter (Ref. No. 5202/0716 dated October 14, 2020) requesting to delete the price for the supply of these cables, etc from USD portion. Now, we have deleted the cost of supply of these cables from our quoted prices; and price summary has also been revised accordingly.

Revised Priced BOQ sheets with Price Summary are being attached to this letter. After incorporating all of the above mentioned changes, our revised total bid price is:

“US Dollars Four Million Seven Twenty Thousand Four Hundred Seventy Three and Pak Rupees One Twenty Four Million Nine Seventy Eight Thousand One Hundred Ninety Six only.”

In the above paragraphs, we have tried to explain everything in detail. However, if any point still needs clarification; please do ask. We shall be pleased to clarify the same.

Thanking you,

Yours faithfully
For ICC-AMV Joint Venture



Syed Zia Hussain
General Manager (Mechanical)



- Encl: - Revised Priced BOQ
- Document (Second Schedule) issued by Punjab Revenue Authority regarding PST
- Document issued by FBR regarding WHT on Services

2. (a) SCHEDULE OF PRICES – SUMMARY OF BID PRICES
3W Systems (Pvt.) Ltd.

Item No.	Description	TOTAL PRICE	
		US\$	PKR
2(a)	Equipment (at Site), and Erection, Testing & Commissioning.		
1	Mechanical Coarse Screens (Brush Type)	190,406	3,153,876
2	Vortex Grit Chamber	213,227	3,527,785
3	Wastewater Pumps	68,244	1,172,395
4	Self Aspirating Jet Aerators For Equalization Tanks	427,342	7,069,652
5	Turbine And Paddle Mixers	71,535	1,392,746
6	Sludge Scrapers	244,252	4,040,252
7	Jet Aeration System fdoor Aeration Tanks	982,172	15,469,216
8	Sludge Pumps	33,022	516,797
9	Sludge Belt Filter Press	157,411	2,605,297
10	Chemical Dosing Pumps	40,875	2,500,797
11	Dissolved Oxygen, Flow Meter, Ph Meter and other Instrumentation	117,440	632,400
12	Laboratory Equipment for Wastewater Analysis	-	4,196,018
13	LABORATORY GLASSWARE AND MINOR ITEMS	-	240,969
14	LABORATORY CHMICALS (INITIAL INVENTORY)	-	85,406
15	Pipes and Fittings	-	8,226,884
16	Sluice Gates	54,226	953,153
17	Electrical Works	308,963	62,570,877
2(b)	Day Work	-	332,250
Total Bid Price (The amount to be entered in Paragraph 1 of the Form of Bid) (In Words)		2,909,114.93	118,686,770

(Note: Total Price, in each currency, shall be provided in figures as well as in words)

2. (b) SCHEDULE OF PRICES – EQUIPMENT, ERECTION, TESTING & COMMISSIONING
3W Systems (Pvt.) Ltd.

Description	Unit	QTY	Unit Rate																		Comments
			Foreign Component (Price in US\$)										Local Component (Price in PKR)								
			Unit Cost CIF Sialkot Dryport (A)	Duties, Levies & Custom Clearance (B)	%	Sales Tax (C)	%	WHT (D)	%	Delivery at Site (E)	Unit Cost (A+B+C+D+E)	Total Cost	Unit Cost (including delivery at site) (A)	Unit Cost (including installation, commissioning and testing) (B)	Sales Tax (C)	%	WH. Tax (D)	%	Combine Unit Cost (A+B+C+ D)	Total Cost	
MECHANICAL COARSE SCREENS (BRUSH TYPE)				20%		20%		5.5%							17%	17%	8%	8%			1. Sales Tax is 17% with additional 3% on commercial importers. Sales Tax on imported items shall not be less than 20% 2. WHT on Private Limited organizations is 5.5% and for proprietor is 6%
Providing, installing, testing & commissioning of Mechanical Coarse Screens (MCS01/01- 02) brush type for Beam House effluent, including all accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	No	2	20,820.00	4,164.00	20%	4,996.80	20%	1,374.12	5.5%	400.00	31,754.92	63,509.84		424,728	67,956	16%	33,978	8%	526,663	1,053,325	
Providing, installing, testing & commissioning of Mechanical Coarse Screens (MCS02/01- 02) brush type for Tan House effluent, including, all accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	No	2	24,705.00	4,941.00	20%	5,929.20	20%	1,630.53	5.5%	550.00	37,755.73	75,511.46		503,982	80,637	16%	40,319	8%	624,938	1,249,875	
Providing, installing, testing & commissioning of Screen Washer (SW01/01-04) for beam house and tan house screenings, including all accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	No	4	7,950.00	1,590.00	20%	1,908.00	20%	524.70	5.5%	175.00	12,147.70	48,590.80		162,180	25,949	16%	12,974	8%	201,103	804,413	
Providing, installing, testing & commissioning of FRP Container 1.1- 1.5 m3 (FC03/01-04) for Tan House and Beam House screening, two each respectively, including, all accessories required for	No	4	457.20	91.44	20%	109.73	20%	30.18	5.5%	10.00	698.54	2,794.17		9,327	1,492	16.00%	746	8%	11,565	46,262	

1. Sales Tax is 17% with additional 3% on commercial importers. Sales Tax on imported items shall not be less than 20%
2. WHT on Private Limited organizations is 5.5% and for proprietor is 6%

Description	Unit	QTY	Unit Rate																		Comments
			Foreign Component (Price in US\$)										Local Component (Price in PKR)								
			Unit Cost CIF Sialkot Dryport (A)	Duties, Levies & Custom Clearance (B)	%	Sales Tax (C)	%	WHT (D)	%	Delivery at Site (E)	Unit Cost (A+B+C+D+E)	Total Cost	Unit Cost (including delivery at site) (A)	Unit Cost (including installation, commissioning and testing) (B)	Sales Tax (C)	%	WH. Tax (D)	%	Combine Unit Cost (A+B+C+D)	Total Cost	
installation and operation, complete in all respects, in accordance with the contract documents.																					
Total										-		190,406.27								3,153,876	
VORTEX GRIT CHAMBER										-											
Providing, installing, testing & commissioning of Vortex Grit Chamber with Classifier (GC01/01-02) for Beam House effluent, including all piping and other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	No	2	12,240.00	2,448.00	20%	2,937.60	20%	807.84	5.5%	275.00	18,708.44	37,416.88		249,696	39,951	16%	19,976	8%	309,623	619,246	1. Sales Tax is 17% with additional 3% on commercial importers. Sales Tax on imported items shall not be less than 20% 2. WHT on Private Limited organizations is 5.5% and for proprietor is 6%
Providing, installing, testing & commissioning of Vortex Grit Chamber with Classifier (GC02/01-02) for Tan House effluent, including, all piping and other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	No	2	14,445.00	2,889.00	20%	3,466.80	20%	953.37	5.5%	325.00	22,079.17	44,158.34		294,678	47,148	16%	23,574	8%	365,401	730,801	
Providing, installing, testing & commissioning of FRP Container 5-7 m3 (FC01/01-05) for Tan House and Beam House wastewatergrit, including, all accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	No	5	6,600.00	1,320.00	20%	1,584.00	20%	435.60	5.5%	150.00	10,089.60	50,448.00		134,640	21,542	16%	10,771	8%	166,954	834,768	
Providing, testing & commissioning of Fork Lifter (FL01/01-02) for all type of lifting of containers either chemical or others, including,	No	2	26,545.09	5,309.02	20%	6,370.82	20%	1,751.98	5.5%	625.00	40,601.91	81,203.81		541,520	86,643	16%	43,322	8%	671,485	1,342,970	

Description	Unit	QTY	Unit Rate																		Comments
			Foreign Component (Price in US\$)										Local Component (Price in PKR)								
			Unit Cost CIF Sialkot Dryport (A)	Duties, Levies & Custom Clearance (B)	%	Sales Tax (C)	%	WHT (D)	%	Delivery at Site (E)	Unit Cost (A+B+C+D+E)	Total Cost	Unit Cost (including delivery at site) (A)	Unit Cost (including installation, commissioning and testing) (B)	Sales Tax (C)	%	WH. Tax (D)	%	Combine Unit Cost (A+B+C+D)	Total Cost	
all accessories required for installation and operation, complete in all respects, in accordance with the contract documents.																					
Total										-		213,227								3,527,785	
WASTEWATER PUMPS										-											
Providing, installing, testing & commissioning of Wastewater Pump (WPS) (WSP01/01-02) in Wastewater Pumping Station (WPS) for Beam House effluent with VFDs, including all piping and other accessories required inside pumping station for installation and operation, complete in all respects, in accordance with the contract documents.	No	2	2,250.00	607.50	27%	571.50	20%	157.16	5.5%	55.00	3,641.16	7,282.33		45,900	7,344	16%	3,672	8%	56,916	113,832	1. Sales Tax is 17% with additional 3% on commercial importers. Sales Tax on imported items shall not be less than 20% 2. WHT on Private Limited organizations is 5.5% and for proprietor is 6% 3. Custom duty is on the lower side. The applicable HS code on equipments used for pumps is 8413.7090. As per the S.R.O 670(I)/2019 custom duty on such equipments is 20%. Additional custom duty of 7% on imported goods is increased as per S.R.O 572(I)/2020. The Bidder shall increase custom duty to 27%.
Providing, installing, testing & commissioning of Wastewater Pump (WSP) (WSP02/01-02) in Wastewater Pumping Station (WPS) for Tanning and Post tanning effluent with VFDs, including, all piping and other accessories required inside pumping station for installation and operation, complete in all respects, in accordance with the contract documents.	No	2	4,158.00	1,122.66	27%	1,056.13	20%	290.44	5.5%	100.00	6,727.23	13,454.46		84,823	13,572	16%	6,786	8%	105,181	210,361	
Providing, installing, testing & commissioning of Submersible Sump Pumps (Bilge Pump SBP01/01-08) 1+1 standby in each Wastewater Pumping Station (WPS) and 1+1 standby in each sludge pumping rooms, including	No	8	2,440.80	122.04	5%	512.57	20%	140.96	5.5%	45.00	3,261.36	26,090.91		49,792	7,967	16%	3,983	8%	61,742	493,937	

Description	Unit	QTY	Unit Rate																		Comments
			Foreign Component (Price in US\$)										Local Component (Price in PKR)								
			Unit Cost CIF Sialkot Dryport (A)	Duties, Levies & Custom Clearance (B)	%	Sales Tax (C)	%	WHT (D)	%	Delivery at Site (E)	Unit Cost (A+B+C+D+E)	Total Cost	Unit Cost (including delivery at site) (A)	Unit Cost (including installation, commissioning and testing) (B)	Sales Tax (C)	%	WH. Tax (D)	%	Combine Unit Cost (A+B+C+ D)	Total Cost	
pump-motor set, pump base, anchor bolts, painting/coatings and other accessories, complete in all respects, in accordance with the contract documents.																					
Providing, installing, testing & commissioning of Gantry Crane (GC01/01) in each Wastewater Pumping Station (WPS) including all accessories, complete in all respects, in accordance with the contract documents.	No	1	14,004.83	2,800.97	20%	3,361.16	20%	924.32	5.5%	325.00	21,416.27	21,416.27		285,698	45,712	16%	22,856	8%	354,266	354,266	
Total												68,243.97								1,172,395	
SELF ASPIRATING JET AERATORS FOR EQUALIZATION TANKS																					
Providing, installing, testing & commissioning of Jet Aerators Submersible Ejector shaft (Self Aspirating) type (JA01/01-02) in Equalization tank for Beam House effluent, including all accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	No	2	46,579.50	9,315.90	20%	11,179.08	20%	3,074.25	5.5%	1,075.00	71,223.73	142,447.45		950,222	152,036	16%	76,018	8%	1,178,275	2,356,551	
Providing, installing, testing & commissioning of Jet Aerators Submersible Ejector shaft (Self Aspirating) type (JA02/01-02)in Equalization tank for Tanning & Post Tanning effluent, including, all accessories required for installation and	No	4	46,579.50	9,315.90	20%	11,179.08	20%	3,074.25	5.5%	1,075.00	71,223.73	284,894.91		950,222	152,036	16%	76,018	8%	1,178,275	4,713,101	1. Sales Tax is 17% with additional 3% on commercial importers. Sales Tax on imported items shall not be less than 20% 2. WHT on Private Limited organizations is 5.5% and for proprietor is 6%

Description	Unit	QTY	Unit Rate																	
			Foreign Component (Price in US\$)										Local Component (Price in PKR)							
			Unit Cost CIF Sialkot Dryport (A)	Duties, Levies & Custom Clearance (B)	%	Sales Tax (C)	%	WHT (D)	%	Delivery at Site (E)	Unit Cost (A+B+C+D+E)	Total Cost	Unit Cost (including delivery at site) (A)	Unit Cost (including installation, commissioning and testing) (B)	Sales Tax (C)	%	WH. Tax (D)	%	Combine Unit Cost (A+B+C+ D)	Total Cost
operation, complete in all respects, in accordance with the contract documents.																				
Total										-		427,342.36								7,069,652
TURBINE AND PADDLE MIXERS										-										
Providing, installing, testing & commissioning of Mixer (MRMT01/01) for Rapid Mixing Tank, including MS Walkway and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	No	1	2,059.52	41.19	2%	420.14	20%	115.54	5.5%	35.00	2,671.39	2,671.39		42,014	6,722	16%	3,361	8%	52,097	52,097
Providing, installing, testing & commissioning of Mixer (MFT01/01) for Flocculation Tank, including MS Walkway and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	No	1	4,119.07	82.38	2%	840.29	20%	231.08	5.5%	75.00	5,347.82	5,347.82		84,029	13,445	16%	6,722	8%	104,196	104,196
Providing, installing, testing & commissioning of Mixer (MPT01/01-02) for Pre-Selector Tank, including MS Walkway and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	No	2	4,119.07	82.38	2%	840.29	20%	231.08	5.5%	85.00	5,357.82	10,715.64		84,029	13,445	16%	6,722	8%	104,196	208,392
Providing, installing, testing & commissioning of Mixer (MCOT01/01) for Chemical Oxidation Tank, including MS	No	1	4,119.07	82.38	2%	840.29	20%	231.08	5.5%	75.00	5,347.82	5,347.82		84,029	13,445	16%	6,722	8%	104,196	104,196

1. Sales Tax is 17% with additional 3% on commercial importers. Sales Tax on imported items shall not be less than 20%
2. WHT on Private Limited organizations is 5.5% and for proprietor is 6%

Description	Unit	QTY	Unit Rate																			Comments
			Foreign Component (Price in US\$)										Local Component (Price in PKR)									
			Unit Cost CIF Sialkot Dryport (A)	Duties, Levies & Custom Clearance (B)	%	Sales Tax (C)	%	WHT (D)	%	Delivery at Site (E)	Unit Cost (A+B+C+D+E)	Total Cost	Unit Cost (including delivery at site) (A)	Unit Cost (including installation, commissioning and testing) (B)	Sales Tax (C)	%	WH. Tax (D)	%	Combine Unit Cost (A+B+C+ D)	Total Cost		
Walkway and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.																						
Providing, installing, testing & commissioning of Mixer (MCDT01/01-04) for Chemical Dosing Tanks, including all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	No	14	2,608.74	52.17	2%	532.18	20%	146.35	5.5%	50.00	3,389.45	47,452.27		53,218	8,515	16%	4,257	8%	65,990	923,864		
Total										-		71,534.95			-					1,392,746		
SLUDGE SCRAPERS										-					-							
Providing, installing, testing & commissioning of primary sedimentation tank sludge Scraper (PSCR 01/01) (Centrally Driven, Diameteral Type with scum removal mechanism), including MS Bridge and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	No	1	43,416.00	8,683.20	20%	10,419.84	20%	2,865.46	5.5%	1,015.00	66,399.50	66,399.50		885,686	141,710	16%	70,855	8%	1,098,251	1,098,251		
Providing, installing, testing & commissioning of secondary sedimentation tank sludge Scraper (SSCR 01/01-02) (Centrally Driven, Diameteral Type with scum removal mechanism), including MS Bridge and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	No	2	35,471.52	7,094.30	20%	8,513.16	20%	2,341.12	5.5%	825.00	54,245.11	108,490.22		723,619	115,779	16%	57,890	8%	897,288	1,794,575	1. Sales Tax is 17% with additional 3% on commercial importers. Sales Tax on imported items shall not be less than 20% 2. WHT on Private Limited organizations is 5.5% and for proprietor is 6%	

Description	Unit	QTY	Unit Rate																		Comments
			Foreign Component (Price in US\$)										Local Component (Price in PKR)								
			Unit Cost CIF Sialkot Dryport (A)	Duties, Levies & Custom Clearanc e (B)	%	Sales Tax (C)	%	WHT (D)	%	Delivery at Site (E)	Unit Cost (A+B+C+D+E)	Total Cost	Unit Cost (includin g delivery at site) (A)	Unit Cost (including installation, commissionin g and testing) (B)	Sales Tax (C)	%	WH. Tax (D)	%	Combine Unit Cost (A+B+C+ D)	Total Cost	
contract documents.																					
Providing, installing, testing & commissioning of picket fence sludge Scraper (TSCR 01/01) (Centrally Driven Rotating Full-Bridge Type Picket Fence Sludge Scraperwith scum removal mechanism), including MS Bridge and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	No	1	45,360.00	9,072.00	20%	10,886.40	20 %	2,993.76	5.5 %	1,050.00	69,362.16	69,362.16		925,344	148,055	16%	74,028	8 %	1,147,427	1,147,427	1. Sales Tax is 17% with additional 3% on commercial importers. Sales Tax on imported items shall not be less than 20% 2. WHT on Private Limited organizations is 5.5% and for proprietor is 6% 3. Custom duty is on the lower side. The applicable HS code on equipments used for pumps is 8413.7090. As per the S.R.O 670(I)/2019 custom duty on such equipments is 20%. Additional custom duty of 7% on imported goods is increased as per S.R.O 572(I)/2020. The Bidder shall increase custom dut
Total								-		-		244,251.87			-					4,040,252	
JET AERATION SYSTEM FOR AERATION TANKS								-		-					-						
Providing, installing, testing & commissioning of Jet Aeration System comprising of jet aerators, air blowers and recirculation pumps for Aeration Tank, including piping and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.				-				-		-					-						
Jet Aerators	No	2	43,354.08	8,670.82	20%	10,404.98	20 %	2,861.37	5.5 %	1,025.00	66,316.24	132,632.49		884,423	141,508	16%	70,754	8 %	1,096,685	2,193,369	
Air Blowers with VFDs	No	3	163,740.00	44,209.80	27%	41,589.96	20 %	11,437.24	5.5 %	4,075.00	265,052.00	795,156.00		3,340,296	534,447	16%	267,224	8 %	4,141,967	12,425,901	
Recirculation Pumps with VFDs	No	2	16,800.00	4,536.00	27%	4,267.20	20 %	1,173.48	5.5 %	415.00	27,191.68	54,383.36		342,720	54,835	16%	27,418	8 %	424,973	849,946	

Description	Unit	QTY	Unit Rate																		Comments
			Foreign Component (Price in US\$)										Local Component (Price in PKR)								
			Unit Cost CIF Sialkot Dryport (A)	Duties, Levies & Custom Clearanc e (B)	%	Sales Tax (C)	%	WHT (D)	%	Delivery at Site (E)	Unit Cost (A+B+C+D+E)	Total Cost	Unit Cost (includin g delivery at site) (A)	Unit Cost (including installation, commissionin g and testing) (B)	Sales Tax (C)	%	WH. Tax (D)	%	Combine Unit Cost (A+B+C+ D)	Total Cost	
																					to 27%. 4. Custom duty is on the lower side. The applicable HS code on equipments used for air blower is 8414.5910. As per the S.R.O 670(I)/2019 custom duty on such equipments is 20%. Additional custom duty of 7% on imported goods is increased as per S.R.O 572(I)/2020. The Bidder shall increase custom duty to 27%.
Total										-		982,171.85								15,469,216	
SLUDGE PUMPS										-											
Providing, installing, testing & commissioning of Primary Sludge Pump (PSP01/01-02) in Primary Sludge Pumping Station (PSPS), including pump-motor set, pump base, anchor bolts, pulsation dampers with pressure gauges & pressure sensors (on suction & delivery sides), over pressure and dry run switches, including piping and all other accessories required inside pumping station for installation and operation, complete in all respects, in accordance with the contract documents.	No	2	2,190.00	591.30	27%	556.26	20 %	152.97	5.5 %	50.00	3,540.53	7,081.06		44676	7,148	16%	3,574	8 %	55,398	110,796	1. Sales Tax is 17% with additional 3% on commercial importers. Sales Tax on imported items shall not be less than 20% 2. WHT on Private Limited organizations is 5.5% and for proprietor is 6% 3. Custom duty is on the lower side. The applicable HS code on equipments used for pumps is 8413.7090. As per the S.R.O 670(I)/2019 custom duty on such equipments is 20%. Additional custom duty of 7% on imported goods is increased as per S.R.O 572(I)/2020. The Bidder shall increase custom duty to 27%.
Providing, installing, testing & commissioning of Secondary Sludge Pump (SSP01/01-04) in Secondary Sludge Pumping Station, including pump-motor set, pump base, anchor bolts, pulsation dampers with pressure gauges & pressure sensors (on suction &	No	4	2,887.50	779.63	27%	733.43	20 %	201.69	5.5 %	65.00	4,667.24	18,668.97		58,905	9,425	16%	4,712	8 %	73,042	292,169	

Description	Unit	QTY	Unit Rate																			Comments
			Foreign Component (Price in US\$)										Local Component (Price in PKR)									
			Unit Cost CIF Sialkot Dryport (A)	Duties, Levies & Custom Clearance (B)	%	Sales Tax (C)	%	WHT (D)	%	Delivery at Site (E)	Unit Cost (A+B+C+D+E)	Total Cost	Unit Cost (including delivery at site) (A)	Unit Cost (including installation, commissioning and testing) (B)	Sales Tax (C)	%	WH. Tax (D)	%	Combine Unit Cost (A+B+C+ D)	Total Cost		
delivery sides), over pressure and dry run switches, including all piping and other accessories required inside pumping station for installation, complete in all respects, in accordance with the contract documents.																						
Providing, installing, testing & commissioning of Thickened Sludge Pump (TSP01/01-02) in Thickened Sludge Pumping Station, including pump-motor set, pump base, anchor bolts, pulsation dampers with pressure gauges & pressure sensors (on suction & delivery sides), over pressure and dry run switches, including all piping and other accessories required inside pumping station for installation, complete in all respects, in accordance with the contract documents.	No	2	2,250.00	607.50	27%	571.50	20%	157.16	5.5%	50.00	3,636.16	7,272.33		45,900	7,344	16%	3,672	8%	56,916	113,832		
Total										-		33,022.36								516,797		
SLUDGE BELT FILTER PRESS										-												
Providing, installing, testing & commissioning of Sludge Filter Press (SFP01), including foundation, anchor bolts, painting/coatings and other accessories, with wash water pump, air compressor including anchor bolts, pulsation dampers and other accessories, including piping and all other accessories required for installation and	No	2	40,680.00	8,136.00	20%	9,763.20	20%	2,684.88	5.5%	925.00	62,189.08	124,378.16		829,872	132,780	16%	66,390	8%	1,029,041	2,058,083	1. Sales Tax is 17% with additional 3% on commercial importers. Sales Tax on imported items shall not be less than 20% 2. WHT on Private Limited organizations is 5.5% and for proprietor is 6%	

Description	Unit	QTY	Unit Rate																		Comments
			Foreign Component (Price in US\$)										Local Component (Price in PKR)								
			Unit Cost CIF Sialkot Dryport (A)	Duties, Levies & Custom Clearance (B)	%	Sales Tax (C)	%	WHT (D)	%	Delivery at Site (E)	Unit Cost (A+B+C+D+E)	Total Cost	Unit Cost (including delivery at site) (A)	Unit Cost (including installation, commissioning and testing) (B)	Sales Tax (C)	%	WH. Tax (D)	%	Combine Unit Cost (A+B+C+ D)	Total Cost	
operation, complete in all respects, in accordance with the contract documents.																					
Providing, installing, testing & commissioning of FRP Container 5 m ³ (FC01/01-04) for dewatered sludge, including, allaccessories required for installation and operation, complete in all respects, in accordance with the contract documents.	No	4	4,200.00	840.00	20%	1,008.00	20%	277.20	5.5%	90.00	6,415.20	25,660.80		85,680	13,709	16%	6,854	8%	106,243	424,973	
Providing, installing, testing & commissioning of Ventilation System (VS01) for Sludge Belt Press Room, Wastewater Pumping Station, All Sludge Pumping Rooms and Chemical Storage Area, including, allaccessories required for installation and operation, complete in all respects, in accordance with the contract documents.	No	6	247.06	49.41	20%	59.29	20%	16.31	5.5%	4.00	376.07	2,256.43		5,040	806	16%	403	8%	6,250	37,498	
Providing, testing & commissioning of Hydrogen Sulphide Detection Equipment (HSD01/01-02) for Sludge Belt Press Room and Coarse Screen Area including, allaccessories required for installation and operation, complete in all respects, in accordance with the contract documents.	No	2	1,675.04	335.01	20%	402.01	20%	110.55	5.5%	35.00	2,557.61	5,115.22		34,171	5,467	16%	2,734	8%	42,372	84,744	
Total				-		-		-		-		157,410.61								2,605,297	

Description	Unit	QTY	Unit Rate																		Comments
			Foreign Component (Price in US\$)										Local Component (Price in PKR)								
			Unit Cost CIF Sialkot Dryport (A)	Duties, Levies & Custom Clearance (B)	%	Sales Tax (C)	%	WHT (D)	%	Delivery at Site (E)	Unit Cost (A+B+C+D+E)	Total Cost	Unit Cost (including delivery at site) (A)	Unit Cost (including installation, commissioning and testing) (B)	Sales Tax (C)	%	WH. Tax (D)	%	Combine Unit Cost (A+B+C+ D)	Total Cost	
CHEMICAL DOSING PUMPS				-		-		-		-											
Providing, installing, testing & commissioning of Chemical Dosing Pumps (DP01) for K-Polymer Dosing Tank, including piping and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	No	2	2,332.50	629.78	27%	592.46	20%	162.93	5.5%	55.00	3,772.66	7,545.31		122,583	19,613	16%	9,807	8%	152,003	304,006	
Providing, installing, testing & commissioning of Chemical Dosing Pumps (DP02) for A-Polymer Dosing Tank, including piping and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	No	2	756.00	204.12	27%	192.02	20%	52.81	5.5%	15.00	1,219.95	2,439.90		90,422	14,468	16%	7,234	8%	112,123	224,247	
Providing, installing, testing & commissioning of Chemical Dosing Pumps (DP03) for Alum Dosing Tank, including piping and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	No	2	1,282.50	346.28	27%	325.76	20%	89.58	5.5%	25.00	2,069.11	4,138.23		101,163	16,186	16%	8,093	8%	125,442	250,884	
Providing, installing, testing & commissioning of Chemical Dosing Pumps (DP04) for Hydrogen Peroxide Dosing Tank, including piping and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	No	2	1,282.50	346.28	27%	325.76	20%	89.58	5.5%	25.00	2,069.11	4,138.23		101,163	16,186	16%	8,093	8%	125,442	250,884	

Description	Unit	QTY	Unit Rate																		Comments
			Foreign Component (Price in US\$)										Local Component (Price in PKR)								
			Unit Cost CIF Sialkot Dryport (A)	Duties, Levies & Custom Clearance (B)	%	Sales Tax (C)	%	WHT (D)	%	Delivery at Site (E)	Unit Cost (A+B+C+D+E)	Total Cost	Unit Cost (including delivery at site) (A)	Unit Cost (including installation, commissioning and testing) (B)	Sales Tax (C)	%	WH. Tax (D)	%	Combine Unit Cost (A+B+C+ D)	Total Cost	
Providing, installing, testing & commissioning of Chemical Dosing Pumps (DP05) for Ferric Chloride Dosing Tank, including piping and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	No	2	802.50	216.68	27%	203.84	20%	56.05	5.5%	15.00	1,294.06	2,588.13		91,371	14,619	16%	7,310	8%	113,300	226,600	
Providing, installing, testing & commissioning of Chemical Dosing Pumps (DP06) for Manganese Sulphate Dosing Tank, including piping and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	No	2	900.00	243.00	27.0000%	228.60	20%	62.87	5.5%	15.00	1,449.47	2,898.93		93,360	14,938	16%	7,469	8%	115,766	231,533	
Providing, installing, testing & commissioning of Chemical Dosing Pumps (DP07) for Sodium Hydroxide Dosing Tank, including piping and all other accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	No	4	1,327.50	358.43	27%	337.19	20%	92.73	5.5%	25.00	2,140.84	8,563.34		102,081	16,333	16%	8,166	8%	126,580	506,322	
Providing, installing, testing & commissioning of Chemical Dosing Pumps (DP08) for Hydrogen Chloride Dosing Tank (02 + 02 standby, one for pH control at Beam House equalization and other at Chemical Oxidation Tank), including piping and all other accessories required for installation and operation, complete	No	4	1,327.50	358.43	27%	337.19	20%	92.73	5.5%	25.00	2,140.84	8,563.34		102,081	16,333	16%	8,166	8%	126,580	506,322	

Description	Unit	QTY	Unit Rate																	
			Foreign Component (Price in US\$)										Local Component (Price in PKR)							
			Unit Cost CIF Sialkot Dryport (A)	Duties, Levies & Custom Clearance (B)	%	Sales Tax (C)	%	WHT (D)	%	Delivery at Site (E)	Unit Cost (A+B+C+D+E)	Total Cost	Unit Cost (including delivery at site) (A)	Unit Cost (including installation, commissioning and testing) (B)	Sales Tax (C)	%	WH. Tax (D)	%	Combine Unit Cost (A+B+C+ D)	Total Cost
in all respects, in accordance with the contract documents.																				
										-		40,875.41								2,500,797
DISSOLVED OXYGEN, FLOW METER, pH METER AND OTHER INSTRUMENTATION										-										
Providing, installing, testing & commissioning of Dissolve Oxygen Meter (DO01) for Equalization tank for Beam House and Aeration Tank, including all accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	No	3	4,138.34	207	5%	869.05	20%	238.99	5.5%	80.00	5,533	16,600		25,000	4,000	16%	2,000	8%	31,000	93,000
Providing, installing, testing & commissioning of pH Meter (pH01), including all accessories required for installation and operation, complete in all respects, in accordance with the contract documents.	No	8	2,955.84	148	5%	620.73	20%	170.70	5.5%	55.00	3,950	31,600		15,000	2,400	16%	1,200	8%	18,600	148,800
Providing, installing, testing & commissioning of Wastewater Flow Meters (WFM01/01-02), including all jointing and anchoring material complete in all respects, in accordance with the contract documents	No	2	3,842.75	192	5%	806.98	20%	221.92	5.5%	75.00	5,139	10,278		25,000	4,000	16%	2,000	8%	31,000	62,000

Description	Unit	QTY	Unit Rate																		Comments
			Foreign Component (Price in US\$)										Local Component (Price in PKR)								
			Unit Cost CIF Sialkot Dryport (A)	Duties, Levies & Custom Clearance (B)	%	Sales Tax (C)	%	WHT (D)	%	Delivery at Site (E)	Unit Cost (A+B+C+D+E)	Total Cost	Unit Cost (including delivery at site) (A)	Unit Cost (including installation, commissioning and testing) (B)	Sales Tax (C)	%	WH. Tax (D)	%	Combine Unit Cost (A+B+C+ D)	Total Cost	
Providing, installing, testing & commissioning of Sludge Flow Meters (SFM01/01-04), including all jointing and anchoring material complete in all respects, in accordance with the contract documents	No	4	3,842.75	192	5%	806.98	20%	221.92	5.5%	75.00	5,139	20,555		25,000	4,000	16%	2,000	8%	31,000	124,000	
Providing, installing, testing & commissioning of Automatic Wastewater Sampler (AS01/01-02), including all jointing and anchoring material complete in all respects, in accordancewiththe contract documents	No	2	6,503.11	325	5%	1,365.65	20%	375.55	5.5%	130.00	8,699	17,399		40,000	6,400	16%	3,200	8%	49,600	99,200	
Providing, testing & commissioning of Portable TDS Meter, complete in all respects, in accordancewiththe contract documents	No	1	2,955.96	148	5%	620.75	20%	170.71	5.5%	55.00	3,950	3,950		15,000	2,400	16%	1,200	8%	18,600	18,600	
Providing, testing & commissioning of Portable Dissolved Oxygen Meter, complete in all respects, in accordancewiththe contract documents	No	1	4,138.34	207	5%	869.05	20%	238.99	5.5%	80.00	5,533	5,533		15,000	2,400	16%	1,200	8%	18,600	18,600	
Providing, testing & commissioning of Portable Infrared Thermometer (IT01), complete in all respects, in accordancewiththe contract documents	No	1	2,955.96	148	5%	620.75	20%	170.71	5.5%	55.00	3,950	3,950		15,000	2,400	16%	1,200	8%	18,600	18,600	
Providing, testing & commissioning of Toxic Gas Detector / Air Quality Meter & Monitor (TGD01), complete in all respects, in accordancewiththe contract documents	No	1	3,310.68	166	5%	695.24	20%	191.19	5.5%	55.00	4,418	4,418		25,000	4,000	16%	2,000	8%	31,000	31,000	
Providing, testing & commissioning of Digital Measuring Scale (BMS01), complete in all respects, in	No	2	1,182.38	59	5%	248.30	20%	68.28	5.5%	20.00	1,578	3,156		7,500	1,200	16%	600	8%	9,300	18,600	

Description	Unit	QTY	Unit Rate																		Comments
			Foreign Component (Price in US\$)										Local Component (Price in PKR)								
			Unit Cost CIF Sialkot Dryport (A)	Duties, Levies & Custom Clearance (B)	%	Sales Tax (C)	%	WHT (D)	%	Delivery at Site (E)	Unit Cost (A+B+C+D+E)	Total Cost	Unit Cost (including delivery at site) (A)	Unit Cost (including installation, commissioning and testing) (B)	Sales Tax (C)	%	WH. Tax (D)	%	Combine Unit Cost (A+B+C+D)	Total Cost	
accordance with the contract documents																					
										-		117,440									632,400
LABORATORY EQUIPMENT FOR WASTEWATER ANALYSIS										-											
Supply, installation and commissioning of Analytical Balance (AB01/01), including all accessories required for installation and operation, complete in all respects, in accordance with the provided specifications.	No	2								-	-	-	92,857		15,786	17%	7,429	8%	116,071	232,143	
Supply, installation and commissioning of Water Distillation Apparatus (Water Still) (WD01/01), including all accessories required for installation and operation, complete in all respects, in accordance with the provided specifications.	No	1								-	-	-	62,000		10,540	17%	4,960	8%	77,500	77,500	
Supply, installation and commissioning of Thermometer (TH01/02), including all accessories required for installation and operation, complete in all respects, in accordance with the provided specifications.	No	2								-	-	-	350		60	17%	28	8%	438	875	
Supply, installation and commissioning of Vacuum Pump (VP01/01), including all accessories required for installation and operation, complete in all respects, in accordance with the provided specifications.	No	1								-	-	-	12,800		2,176	17%	1,024	8%	16,000	16,000	

Description	Unit	QTY	Unit Rate																		Comments	
			Foreign Component (Price in US\$)										Local Component (Price in PKR)									
			Unit Cost CIF Sialkot Dryport (A)	Duties, Levies & Custom Clearance (B)	%	Sales Tax (C)	%	WHT (D)	%	Delivery at Site (E)	Unit Cost (A+B+C+D+E)	Total Cost	Unit Cost (including delivery at site) (A)	Unit Cost (including installation, commissioning and testing) (B)	Sales Tax (C)	%	WH. Tax (D)	%	Combine Unit Cost (A+B+C+ D)	Total Cost		
Supply, installation and commissioning of Hot Plate Stirrer (Magnetic) (HP01/02), including all accessories required for installation and operation, complete in all respects, in accordance with the provided specifications.	No	2																				
Supply, installation and commissioning of Drying Oven (DO01/01), including all accessories required for installation and operation, complete in all respects, in accordance with the provided specifications.	No	1																				
Supply, installation and commissioning of pH Meter (Portable) (PH01/02), including all accessories required for installation and operation, complete in all respects, in accordance with the provided specifications.	No	2																				
Supply, installation and commissioning of COD Reactor (CD01/01), including all accessories required for installation and operation, complete in all respects, in accordance with the provided specifications.	No	1																				
Supply, installation and commissioning of BOD Reactor (BD01/01), including all accessories required for installation and operation, complete in all respects, in accordance with the provided specifications.	No	1																				

Description	Unit	QTY	Unit Rate																		Comments	
			Foreign Component (Price in US\$)										Local Component (Price in PKR)									
			Unit Cost CIF Sialkot Dryport (A)	Duties, Levies & Custom Clearance (B)	%	Sales Tax (C)	%	WHT (D)	%	Delivery at Site (E)	Unit Cost (A+B+C+D+E)	Total Cost	Unit Cost (including delivery at site) (A)	Unit Cost (including installation, commissioning and testing) (B)	Sales Tax (C)	%	WH. Tax (D)	%	Combine Unit Cost (A+B+C+ D)	Total Cost		
Supply, installation and commissioning of Incubator (IT01/01), including all accessories required for installation and operation, complete in all respects, in accordance with the provided specifications.	No	1									-	-	-	1,250,000		212,500	17%	100,000	8%	1,562,500	1,562,500	
Supply, installation and commissioning of Spectrophotometer (Visible) (SPM01/01), including all accessories required for installation and operation, complete in all respects, in accordance with the provided specifications.	No	1									-	-	-	195,000		33,150	17%	15,600	8%	243,750	243,750	
Total											-		-								4,196,018	
LABORATORY GLASSWARE AND MINOR ITEMS											-											
Supply of Aluminium Weighing Dish, including all accessories required for operation, complete in all respects, in accordance with the following specifications.	No	100									-	-	-	80		14	17%	6	8%	100	10,000	
Size: 57mm										-												
Make: Local											-											
Supply of Beaker, including all accessories required for operation, complete in all respects, in accordance with the following specifications.	No	1									-	-	-	5,500		935	17%	440	8%	6,875	6,875	
Size: 250 ml, Plastic (Electrode Washing)										-												
Make: AZLON											-											
Supply of Beaker, including all accessories required for operation, complete in all respects, in accordance with the following	No	2									-	-	-	3,500		595	17%	280	8%	4,375	8,750	

Description	Unit	QTY	Unit Rate																		Comments	
			Foreign Component (Price in US\$)										Local Component (Price in PKR)									
			Unit Cost CIF Sialkot Dryport (A)	Duties, Levies & Custom Clearance (B)	%	Sales Tax (C)	%	WHT (D)	%	Delivery at Site (E)	Unit Cost (A+B+C+D+E)	Total Cost	Unit Cost (including delivery at site) (A)	Unit Cost (including installation, commissioning and testing) (B)	Sales Tax (C)	%	WH. Tax (D)	%	Combine Unit Cost (A+B+C+ D)	Total Cost		
specifications.																						
Size: 250 ml											-											
Make: PYREX												-										
Supply of China Dish, including all accessories required for operation, complete in all respects, in accordance with the following specifications.	No	6									-	-	-	250		43	17%	20	8%	313	1,875	
Size: 100 cc											-											
Make: China												-										
Supply of China Dish, including all accessories required for operation, complete in all respects, in accordance with the following specifications.	No	0									-	-	-	300		51	17%	24	8%	375	-	
Size: 250 cc												-										
Make: China												-										
Supply of Container, including all accessories required for operation, complete in all respects, in accordance with the following specifications.	No	3									-	-	-	100		17	17%	8	8%	125	375	
Size: 100 ml, Plastic												-										
Make: Local												-										
Supply of Cylinder, including all accessories required for operation, complete in all respects, in accordance with the following specifications.	No	1									-	-	-	8,500		1,445	17%	680	8%	10,625	10,625	
Size: 25 ml												-										
Make: PYREX												-										
Supply of Cylinder, including all accessories required for operation,	No	1									-	-	-	7,250		1,233	17%	580	8%	9,063	9,063	

Description	Unit	QTY	Unit Rate																		Comments	
			Foreign Component (Price in US\$)										Local Component (Price in PKR)									
			Unit Cost CIF Sialkot Dryport (A)	Duties, Levies & Custom Clearance (B)	%	Sales Tax (C)	%	WHT (D)	%	Delivery at Site (E)	Unit Cost (A+B+C+D+E)	Total Cost	Unit Cost (including delivery at site) (A)	Unit Cost (including installation, commissioning and testing) (B)	Sales Tax (C)	%	WH. Tax (D)	%	Combine Unit Cost (A+B+C+D)	Total Cost		
complete in all respects, in accordance with the following specifications.		1																				
Size: 50 ml										-												
Make: PYREX											-											
Supply of Cylinder, including all accessories required for operation, complete in all respects, in accordance with the following specifications.	No	1									-	-	-	7,750		1,318	17%	620	8%	9,688	9,688	
Size: 100 ml										-												
Make: PYREX											-											
Supply of Dassicator (Vaccum), including all accessories required for operation, complete in all respects, in accordance with the following specifications.	No	1									-	-	-	2,500		425	17%	200	8%	3,125	3,125	
Size: 300 mm										-												
Make: Germany											-											
Supply of Filtration Apparatus with Receiving Flask, including all accessories required for operation, complete in all respects, in accordance with the following specifications.	No	1									-	-	-	4,800		816	17%	384	8%	6,000	6,000	
Size: 1 Liter										-												
Make: SHORT DURAN											-											
Supply of Flask (Volumetric), including all accessories required for operation, complete in all respects, in accordance with the following specifications.	No	1									-	-	-	8,500		1,445	17%	680	8%	10,625	10,625	
Size: 25 ml										-												
Make: PYREX											-											

Description	Unit	QTY	Unit Rate																		Comments
			Foreign Component (Price in US\$)										Local Component (Price in PKR)								
			Unit Cost CIF Sialkot Dryport (A)	Duties, Levies & Custom Clearance (B)	%	Sales Tax (C)	%	WHT (D)	%	Delivery at Site (E)	Unit Cost (A+B+C+D+E)	Total Cost	Unit Cost (including delivery at site) (A)	Unit Cost (including installation, commissioning and testing) (B)	Sales Tax (C)	%	WH. Tax (D)	%	Combine Unit Cost (A+B+C+ D)	Total Cost	
Supply of Flask (Volumetric), including all accessories required for operation, complete in all respects, in accordance with the following specifications.	No	1								-	-	-	9,250		1,573	17%	740	8%	11,563	11,563	
Size: 50 ml										-											
Make: PYREX										-											
Supply of Flask (Volumetric), including all accessories required for operation, complete in all respects, in accordance with the following specifications.	No	1								-	-	-	9,750		1,658	17%	780	8%	12,188	12,188	
Size: 100 ml										-											
Make: PYREX										-											
Supply of Funnel, including all accessories required for operation, complete in all respects, in accordance with the following specifications.	No	2								-	-	-	15,000		2,550	17%	1,200	8%	18,750	37,500	
Size: 75 mm										-											
Make: PYREX										-											
Supply of IMHOFF Cone, including all accessories required for operation, complete in all respects, in accordance with the following specifications.	No	2								-	-	-	11,500		1,955	17%	920	8%	14,375	28,750	
Size: 1 Liter, Plastic										-											
Make: SHORT DURAN										-											
Supply of Magnetic Stirrer, including all accessories required for operation, complete in all respects, in accordance with the following specifications.	No	2								-	-	-	350		60	17%	28	8%	438	875	

Description	Unit	QTY	Unit Rate																		Comments
			Foreign Component (Price in US\$)										Local Component (Price in PKR)								
			Unit Cost CIF Sialkot Dryport (A)	Duties, Levies & Custom Clearance (B)	%	Sales Tax (C)	%	WHT (D)	%	Delivery at Site (E)	Unit Cost (A+B+C+D+E)	Total Cost	Unit Cost (including delivery at site) (A)	Unit Cost (including installation, commissioning and testing) (B)	Sales Tax (C)	%	WH. Tax (D)	%	Combine Unit Cost (A+B+C+ D)	Total Cost	
Size: 40 mm, Teflon Coated									-												
Make: Local									-												
Supply of Mortar & Pestles (Ceramic), including all accessories required for operation, complete in all respects, in accordance with the following specifications.	No	1							-	-	-	450		77	17%	36	8 %	563	563		
Make: Local									-												
Supply of Pipette, including all accessories required for operation, complete in all respects, in accordance with the following specifications.	No	2							-	-	-	6,250		1,063	17%	500	8 %	7,813	15,625		
Size: 2 ml Graduated									-												
Make: PYREX – A Class									-												
Supply of Pipette, including all accessories required for operation, complete in all respects, in accordance with the following specifications.	No	2							-	-	-	5,750		978	17%	460	8 %	7,188	14,375		
Size: 5 ml Graduated									-												
Make: PYREX – A Class									-												
Supply of Pipette, including all accessories required for operation, complete in all respects, in accordance with the following specifications.	No	2							-	-	-	6,750		1,148	17%	540	8 %	8,438	16,875		
Size: 10 ml Graduated									-												
Make: PYREX – A Class									-												
Supply of Pipette Wide Bore (4 mm), including all accessories required for operation, complete in all respects, in accordance with the	No	2							-	-	-	7,500		1,275	17%	600	8 %	9,375	18,750		

Description	Unit	QTY	Unit Rate																		Comments
			Foreign Component (Price in US\$)										Local Component (Price in PKR)								
			Unit Cost CIF Sialkot Dryport (A)	Duties, Levies & Custom Clearance (B)	%	Sales Tax (C)	%	WHT (D)	%	Delivery at Site (E)	Unit Cost (A+B+C+D+E)	Total Cost	Unit Cost (including delivery at site) (A)	Unit Cost (including installation, commissioning and testing) (B)	Sales Tax (C)	%	WH. Tax (D)	%	Combine Unit Cost (A+B+C+ D)	Total Cost	
following specifications.																					
Size: 10 ml Graduated																					
Make: PYREX – A Class																					
Supply of Pipette Sucker/Filler (Rubber), including all accessories required for operation, complete in all respects, in accordance with the following specifications.	No	3																			
Make: France or Germany																					
Supply of Rack for Pipettes (Plastic), including all accessories required for operation, complete in all respects, in accordance with the following specifications.	No	1																			
Make: Local																					
Supply of Spatula, including all accessories required for operation, complete in all respects, in accordance with the following specifications.	No	2																			
Make: Local																					
Supply of Specific Gravity Bottle, including all accessories required for operation, complete in all respects, in accordance with the following specifications.	No	1																			
Size: 25 ml																					
Make: MBL, UK																					
Supply of Stand with Clamps (Iron), including all accessories required for operation,	No	2																			

Description	Unit	QTY	Unit Rate																		Comments
			Foreign Component (Price in US\$)										Local Component (Price in PKR)								
			Unit Cost CIF Sialkot Dryport (A)	Duties, Levies & Custom Clearance (B)	%	Sales Tax (C)	%	WHT (D)	%	Delivery at Site (E)	Unit Cost (A+B+C+D+E)	Total Cost	Unit Cost (including delivery at site) (A)	Unit Cost (including installation, commissioning and testing) (B)	Sales Tax (C)	%	WH. Tax (D)	%	Combine Unit Cost (A+B+C+ D)	Total Cost	
complete in all respects, in accordance with the following specifications.																					
Make: Local										-											
Supply of Tong and Forceps, including all accessories required for operation, complete in all respects, in accordance with the following specifications.	No	2								-	-	-	300		51	17%	24	8%	375	750	
Make: Local										-											
Supply of Washing Bottle, including all accessories required for operation, complete in all respects, in accordance with the following specifications.	No	4								-			400		68	17%	32	8%	500	2,000	
Size: 500 ml, Plastic										-											
Make: Germany										-											
Supply of Watch Glass, including all accessories required for operation, complete in all respects, in accordance with the following specifications.	No	4								-			40		7	17%	3	8%	50	200	
Make: Local										-											
Total										-										240,969	
LABORATORY CHMICALS (INITIAL INVANTORY)										-											
Supply of Buffer Solution 4 for calibration of pH meter, complete in all respects, in accordance with the following specifications.	Lit	0.5								-			4000		680	17%	320	8%	5,000	2,500	
Make: MERCK, RDH or SIGMA										-											
Supply of Buffer Solution 7 for calibration of pH meter, complete in all respects, in accordance with the	Lit	0.5								-			4000		680	17%	320	8%	5,000	2,500	

Description	Unit	QTY	Unit Rate																		Comments
			Foreign Component (Price in US\$)										Local Component (Price in PKR)								
			Unit Cost CIF Sialkot Dryport (A)	Duties, Levies & Custom Clearance (B)	%	Sales Tax (C)	%	WHT (D)	%	Delivery at Site (E)	Unit Cost (A+B+C+D+E)	Total Cost	Unit Cost (including delivery at site) (A)	Unit Cost (including installation, commissioning and testing) (B)	Sales Tax (C)	%	WH. Tax (D)	%	Combine Unit Cost (A+B+C+ D)	Total Cost	
following specifications.																					
Make: MERCK, RDH or SIGMA										-											
Supply of Buffer Solution 10 for calibration of pH meter, complete in all respects, in accordance with the following specifications.	Lit	0.5								-			4000		680	17%	320	8%	5,000	2,500	
Make: MERCK, RDH or SIGMA										-											
Supply of COD Reagent Vials (Range 0 – 1500), complete in all respects, in accordance with the following specifications.	No	25								-			850		145	17%	68	8%	1,063	26,563	
Make: MERCK or HACH										-											
Supply of Filter Dics, complete in all respects, in accordance with the following specifications.	No	100								-	-	-	350		60	17%	28	8%	438	43,750	
Size: 47 mm, Glass Fiber										-											
Make: WHATMAN										-											
Supply of Filter Paper Sheet, complete in all respects, in accordance with the following specifications.	No	25								-	-	-	20.00		3	17%	2	8%	25	625	
Make: Local										-											
Supply of Hydrochloric Acid (Commercial Grade), complete in all respects, in accordance with the following specifications.	Lit	2.5								-	-	-	950		162	17%	76	8%	1,188	2,969	
Make: Local										-											
Supply of Silica Gel, complete in all respects, in accordance with the following specifications.	kg	1								-	-	-	2800		476	17%	224	8%	3,500	3,500	

Description	Unit	QTY	Unit Rate																		Comments
			Foreign Component (Price in US\$)										Local Component (Price in PKR)								
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Make: MERCK, RDH or SIGMA										-											
Supply of Standard Solution with COD of 1000 mg/l, complete in all respects, in accordance with the following specifications.	Lit	0.2								-	-	-	2000		340	17%	160	8 %	2,500	500	
Make: MERCK or HACH										-											
Total										-	-									85,406	
PIPES AND FITTINGS										-											
Supply, Installation, testing & commissioning of MS Pipe (Schedule 40) including butterfly valves, tees, elbows, flanged joints, reducers, rubber gaskets, nuts and bolts including fixing the pipe with suitable flat iron strip clamps/bracket, painting etc. complete as required for delivery/suction manifold relating to the pumps, including all accessories required for installation and operation, complete in all respects, in accordance with the contract documents and as directed by the Engineer.	Job									-											
DN150	RM	100								-	-	10,581	2,412	2,209	17%	193	8 %	15,395	1,539,497		
DN 200	RM	150								-	-	15,748	3,591	3,288	17%	287	8 %	22,914	3,437,119		
DN 300	RM	70								-	-	31,912	7,276	6,662	17%	582	8 %	46,432	3,250,269		
Total										-	-									8,226,884	
SLUICE GATES										-											
Providing, fabricating and installing (SS 316L) hand operated mechanical sluice gates, including SS 316L angle frame, shaft and wheel, fixing and anchoring materials complete in all respects, as per										-											

Description	Unit	QTY	Unit Rate																		Comments
			Foreign Component (Price in US\$)										Local Component (Price in PKR)								
			Unit Cost CIF Sialkot Dryport (A)	Duties, Levies & Custom Clearance (B)	%	Sales Tax (C)	%	WHT (D)	%	Delivery at Site (E)	Unit Cost (A+B+C+D+E)	Total Cost	Unit Cost (including delivery at site) (A)	Unit Cost (including installation, commissioning and testing) (B)	Sales Tax (C)	%	WH. Tax (D)	%	Combine Unit Cost (A+B+C+ D)	Total Cost	
contract documents, Drawings and as directed by the Engineer.																					
600 mm (width) x 2000 mm (Height)	No	4	4,560.00	592.80	13%	1,030.56	20 %	283.40	5.5 %	95.00	6,561.76	26,247.06		93,024	14,884	16%	7,442	8 %	115,350	461,399	
1100 mm (width) x 1500 mm (Height)	No	2	5,640.00	733.20	13%	1,274.64	20 %	350.53	5.5 %	120.00	8,118.37	16,236.73		115,056	18,409	16%	9,204	8 %	142,669	285,339	
1100 mm (width) x 850 mm (Height)	No	2	4,080.00	530.40	13%	922.08	20 %	253.57	5.5 %	85.00	5,871.05	11,742.10		83,232	13,317	16%	6,659	8 %	103,208	206,415	
Total										-		54,225.89								953,153	
ELECTRICAL WORKS										-											
Following items of works (unless specifically stated otherwise) required for proper completion of each item as per specifications (Section-16 "General Provision for Electrical Works" shall be applicable to all BOQ items).										-											
DISTRIBUTION TRANSFORMER										-											
Following type of DRY type indoor distribution transformer.										-											
a) 11/0.4 kV low losses, 3 phase, distribution transformer 1000 kVA,	No.	1								-			3,500,000	420,000	666,400	17%	33,600	8 %	4,620,000	4,620,000	
Spare parts for transformer as standard requirement	Lot	1								-			350,000	42,000	66,640	17%	3,360	8 %	462,000	462,000	
LOW VOLTAGE DIESEL GENERATOR (DG) SET										-											
Following are the Low Voltage Diesel generator Sets.										-											
a) 600 kW	No.	1	96,200.40	19,240.08	20%	23,088.10	20 %	6,349.23	5.5 %	2,250.00	147,127.80	147,127.80		1,000,000	160,000	16%	80,000	8 %	1,240,000	1,240,000	
L.T SWITCHBOARD										-											
Following are the L.V Switchboard.										-											
a) SB-1 including 250 kVAR automatic cum manual PFI plant (6 stages).	Job	1								-				75,000	12,000	16%	6,000	8 %	93,000	93,000	
b) ESB-0	Job	1								-				15,000	2,400	16%	1,200	8 %	18,600	18,600	

Description	Unit	QTY	Unit Rate																		Comments
			Foreign Component (Price in US\$)										Local Component (Price in PKR)								
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<u>MOTOR CONTROL CENTERS</u>										-											
Following are the MCC-Panels.										-											
a) MCC-Panel-1	Job	1								-			9,154,500	675,000	1,671,015	17%	54,000	1%	11,554,515	11,554,515	
<u>CONTROL PANELS</u>										-											
Following are the equipment for SCADA Control Panel.										-											
a) Power Supply	No.	2	50,000.00	13,500.00	27%	12,700.00	20%	3,492.50	5.5%	1,225.00	80,917.50	161,835.00		675,000	108,000	16%	54,000	8%	837,000	843,750	
b) PLC	No.	1								-					-		-		-	-	
c) Backplane 1	No.	2								-					-		-		-	-	
d) Backplane Expander	No.	2								-					-		-		-	-	
e) Backplane Expander Cable (1 m)	No.	1								-					-		-		-	-	
f) Empty Module	No.	5								-					-		-		-	-	
g) Terminal Strip 40 Points	No.	22								-					-		-		-	-	
h) Communication Module	No.	1								-					-		-		-	-	
i) Discrete input Module	No.	11								-					-		-		-	-	
j) Analoge input Module	No.	4								-					-		-		-	-	
k) Discrete output Module	No.	6								-					-		-		-	-	
l) Analoge output Module	No.	1								-					-		-		-	-	
m) EGX-100 GATEWAY	No.	4								-					-		-		-	-	
n) Power Supply	No.	4								-					-		-		-	-	
o) Ethernet Switch(Ethernet Managed Switch 6TX/2FX Multi-mode)	No.	1								-					-		-		-	-	
p) Ethernet Switch(Ethernet Managed Switch 2TX/2FX Multi-mode)	No.	1								-					-		-		-	-	
q) Patch Panel	No.	2								-					-		-		-	-	
r) Patch cord	No.	8								-					-		-		-	-	
s) Relays	No.	192								-					-		-		-	-	
t) PC Vue(single station) with SQL Server ad Dream Repor	No.	1								-					-		-		-	-	
u) SQL Server	No.	1								-					-		-		-	-	
Battery backup Panels.	Job	1								-					-		-		-	-	

Description	Unit	QTY	Unit Rate																		Comments	
			Foreign Component (Price in US\$)										Local Component (Price in PKR)									
			Unit Cost CIF Sialkot Dryport (A)	Duties, Levies & Custom Clearance (B)	%	Sales Tax (C)	%	WHT (D)	%	Delivery at Site (E)	Unit Cost (A+B+C+D+E)	Total Cost	Unit Cost (including delivery at site) (A)	Unit Cost (including installation, commissioning and testing) (B)	Sales Tax (C)	%	WH. Tax (D)	%	Combine Unit Cost (A+B+C+ D)	Total Cost		
LIGHT FIXTURES											-				-		-		-	-		
Following type of Philips make or approved equivalent Light Fixtures.											-				-		-		-	-		
a) Philips make BGP 762 LED 149-/740 I DM50 DGR 32-48 complete in all respects.	No.	91									-			77,693	9,323	14,793	17%	746	8 %	102,555	9,332,465	
b) Philips make Tempo LED Flood Light BVP163 LED220/CW 220W 220-240V SWB GM complete in all respects.	No.	6									-			38,475	4,617	7,326	17%	369	8 %	50,787	304,722	
LOW TENSION CABLES											-											
Laying and termination of following sizes LT Cables. Note: 1. sizes / length of cables are already provided at site, the successful bidder must try to maximum utilize these cables. 2. If, in case bidder's feels very essential to get some more / other cables then they can incorporate it in their electromechanical bid. 3. Client will not provide any cables other than mentioned above. It will be the responsibility of Electro-mechanical contractor to arrange any other cables required. 4. The termination of all cables including conducts, cable trays, jointing, laying, accessories, etc, will be in scope of Electro-mechanical contractor.											-											
a) 4 core 95 sq.mm Armoured PVC cable	Mtr.	3825									-				337.5	54	16%	27	8 %	419	1,600,763	
b) 4 core 16 sq.mm Armoured PVC cable	Mtr.	4120									-				168.8	27	16%	14	8 %	209	862,365	
c) 4 core 6 sq.mm Armoured PVC cable	Mtr.	6900									-				131.3	21	16%	11	8 %	163	1,123,403	

Description	Unit	QTY	Unit Rate																		Comments
			Foreign Component (Price in US\$)										Local Component (Price in PKR)								
			Unit Cost CIF Sialkot Dryport (A)	Duties, Levies & Custom Clearance (B)	%	Sales Tax (C)	%	WHT (D)	%	Delivery at Site (E)	Unit Cost (A+B+C+D+E)	Total Cost	Unit Cost (including delivery at site) (A)	Unit Cost (including installation, commissioning and testing) (B)	Sales Tax (C)	%	WH. Tax (D)	%	Combine Unit Cost (A+B+C+ D)	Total Cost	
d) 4 core 4 sq.mm Armoured PVC cable	Mtr.	9500								-				131.3	21	16%	11	8%	163	1,546,714	
e) 4 core 2.5 sq.mm Armoured PVC cable	Mtr.	16830								-				108.8	17	16%	9	8%	135	2,270,569	
f) 4 core 1.5 sq.mm Armoured PVC cable	Mtr.	12000								-				93.8	15	16%	8	8%	116	1,395,744	
g) 4 core 10 sq.mm Armoured PVC cable	Mtr.	8020								-				135.0	22	16%	11	8%	167	1,342,548	
i) 12 core 1sq.mm Pvc Flexible cable	Mtr.	9600								-				105.0	17	16%	8	8%	130	1,249,920	
j) 4 core 1sq.mm Pvc flexible cable	Mtr.	7400								-				97.5	16	16%	8	8%	121	894,660	
k) 3core 0.75sq.mm PVC flexible cable	Mtr.	9,500								-				97.5	16	16%	8	8%	121	1,148,550	
l) 1-core 50sq.mm PVC as ECC.	Mtr.	80								-				150.0	24	16%	12	8%	186	14,880	
m) 1-core 25sq.mm PVC as ECC.	Mtr.	70								-				127.5	20	16%	10	8%	158	11,067	
n) 1-core 16sq.mm PVC as ECC.	Mtr.	1,410								-				108.8	17	16%	9	8%	135	190,226	
o) 1-core 10sq.mm PVC as ECC.	Mtr.	100								-				108.8	17	16%	9	8%	135	13,491	
p) 1-core 6sq.mm PVC as ECC.	Mtr.	80								-				67.5	11	16%	5	8%	84	6,696	
q) 1-core 4sq.mm PVC as ECC.	Mtr.	110								-				67.5	11	16%	5	8%	84	9,207	
Excavation & Backfilling including bedding in all kinds of soil upto any depth including disposal of surplus, excavated rejected material to designated place.	M³	1,134								-			425	51	81	17%	4	8%	561	636,174	
WIRING										-											
Following type of wiring of Road Light fixtures from all DB- EXT to 1st light pole										-											
a) With 16sq.mm 4-C PVC/PVC cable in 32mm dia PVC conduit.	No.	4								-			79,300	18,750	16,669	17%	1,500	8%	116,219	464,874	
b) With 10sq.mm 4-C PVC/PVC cable in 32mm dia PVC conduit.	No.	1								-			18,200	1,078	3,277	17%	86	8%	22,642	22,642	
Following type of wiring of Road Light fixtures from Light Pole to Light Pole										-											
a) With 10sq.mm 4-C PVC/PVC cable in 32mm dia PVC conduit.	No.	87								-			18,200	1,078	3,277	17%	86	8%	22,642	1,969,832	
b) With 10sq.mm 4-C PVC/PVC cable in 32mm dia PVC conduit.	No.	5								-			18,200	1,078	3,277	17%	86	8%	22,642	113,209	

Description	Unit	QTY	Unit Rate																			Comments
			Foreign Component (Price in US\$)										Local Component (Price in PKR)									
			Unit Cost CIF Sialkot Dryport (A)	Duties, Levies & Custom Clearance (B)	%	Sales Tax (C)	%	WHT (D)	%	Delivery at Site (E)	Unit Cost (A+B+C+D+E)	Total Cost	Unit Cost (including delivery at site) (A)	Unit Cost (including installation, commissioning and testing) (B)	Sales Tax (C)	%	WH. Tax (D)	%	Combine Unit Cost (A+B+C+ D)	Total Cost		
CONDUITS										-												
Following sizes of conduit										-												
a) 32mm dia	Mtr.	2000								-				70	11	16%	6	8%	87	173,600		
MISCELLANEOUS ITEMS										-												
Following epoxy painted Imported tubular lighting columns										-												
a) 9m high column having single arm	No.	91								-			93,750	18,750	19,125	17%	1,500	8%	133,125	12,114,375		
Following size of RCC pipe.										-					-							
a) 300mm dia	Mtr.	550								-			4,375		744	17%			5,119	2,815,313		
RCC Handhole of internal dimensions 900 mm x 900 mm x 600 mm with heavy duty CI cover of 950 mm x 950 mm with frame.	Job	30								-			50,000		8,500	17%			58,500	1,755,000		
L.T DISTRIBUTION BOARDS										-												
a) DB1- EXT	Job	1								-			102,200	15,000	19,924	17%	1,200	8%	138,324	138,324		
b) DB2- EXT	Job	1								-			100,800	15,000	19,686	17%	1,200	8%	136,686	136,686		
c) DB3- EXT	Job	1								-			53,200	15,000	11,594	17%	1,200	8%	80,994	80,994		
										-		308,963								62,570,877		



Our Ref. No.: 3WS/STAGL/CETP/676/21

Dated: May 10, 2021

Mr. Muhammad Atif,
Project Director,
Sialkot Tannery Association (G) Limited,
Khambranwala Village, Kulluwal Road,
5-Km Sialkot International Airport,
Sialkot.

SUBJECT: **ESTABLISHMENT OF COMMON EFFLUENT TREATMENT PLANT AT SIALKOT**
TANNERIES ZONE – ELECTROMECHANICAL WORKS – CLARIFICATION
REGARDING QUOTED PRICES

Dear Sir,

Kindly refer to your letter no. STAGL/05/2021/758 dated 04-05-2021 on the subject and subsequent online meeting between us on 8th May 2021. We are pleased to reply on your points as below;

1. We have taken a generalized factor for all import items however as per your recommendations, please find attached revised financial working with separate duty factor for each line item. We however would like to advise that the duties and taxes are applicable as per actual and in not a binding price in contract. If the duties are saved by using special provisions of SRO through Engineering Development Board, the same will be excluded from the contract price and shall be paid by client only to the extent of applicable duties on each item. We would also like to mention that freight changes of the imported cost are fixed expenses and not variable and the same should be considered part of the imported currency component and paid through LC to be established.

3W SYSTEMS (PRIVATE) LIMITED.



37 GCP Employees Cooperative Housing Society Near Johar Town Lahore - Pakistan
TEL NO. +92-42-35956267-68 FAX +92-42-35956269
www.3wsystems.com contact@3wsystems.com.pk



2. Regarding the arithmetic error, i.e., in MOTOR CONTROL CENTER (imported) and change of taxes in foreign and local currency components, have resulted in some variation in the bid prices. This change is reflected is slightly upward revised of the prices. Please see the revised excel file with detailed working.

We hope that with the above clarifications, you will be able to finalize the financial evaluation and start contract negotiation after Eid Holidays.

Should you require any further clarification, please feel free to contact.

Yours Sincerely

For 3W Systems Pvt. Ltd. & Solution Engineering JV

Taimoor Azhar

Manager Business Development Division

0321 288 6183

3W SYSTEMS (PRIVATE) LIMITED.

37 GCP Employees Cooperative Housing Society Near Johar Town Lahore - Pakistan
TEL NO. +92-42-35956267-68 FAX +92-42-35956269
www.3wsystems.com contact@3wsystems.com.pk



From: Muhammad Ali <mohd.ali@nec.com.pk>
Sent: Wednesday, June 9, 2021 2:23 PM
To: 'Intikhab'
Subject: FW: Establishment of CETP at STZ - Electromechanical Works - Clarification Required Regarding Quoted Prices
Attachments: image002.jpg; image003.jpg

From: Sialkot Tannery Zone-STZ [mailto:info@stagl-skt.com]
Sent: Friday, May 28, 2021 12:55 PM
To: kashifmasudalam@gmail.com; 'Muhammad Ali'; 'Izhar ul Haque'
Cc: ceo@stagl-skt.com; 'Sh A Waheed'; stz.projectmanager@gmail.com; 'ADEEL SOHAIL'
Subject: FW: Establishment of CETP at STZ - Electromechanical Works - Clarification Required Regarding Quoted Prices

Dear Mr Kashif

Please find below the self explanatory email from M/s KSB Pumps Company Limited for your further necessary action.

Best Regards

Muhammad Atif

Project Director

Sialkot Tannery Zone (STZ)

Kuluwal Road, Khambranwala Chowk,

District Sialkot, Tehsil Sambrial

Contact Detail:

Project Director Muhammad Atif: 0300-6135131 or

o-Secretary Ms Jabeen Naaz: 0309-8604687 / 0336-4737223

Email: info@stagl-skt.com / stagl_skt@yahoo.com

Website: www.stagl-skt.com

Facebook Link: <https://www.facebook.com/profile.php?id=100010107547854>

From: Farooq [mailto:mfarooq@ksb.com.pk]
Sent: Thursday, May 27, 2021 9:32 PM
To: Sialkot Tannery Zone-STZ
Cc: ceo@stagl-skt.com; Imran Malik; Nadeem Naqvi
Subject: RE: Establishment of CETP at STZ - Electromechanical Works - Clarification Required Regarding Quoted Prices

Dear Sir,

1. Please note that we are in agreement with your remarks in columns " Duties, Levies & Custom Clarence (%)" – "Sale Tax (%)" for foreign components
2. Please note that KSB Pakistan is WHT exempted considering Large Tax Paying Organization
3. Please note that we have considered 17% Sale Tax only for the Local Components and only applicable columns are filled for Price BOQ

We regret for delayed response, please let us know for any other query in this regard.

Kind Regards,

KSB Pumps Company Limited
Projects

Muhammad Farooq

Tel: +92 42 36304173 Ext: 232
Fax: +92 42 36366192
Mob: +92 3008471039
E-mail: mfarooq@ksb.com.pk

Website: <https://ksb.com.pk> Customer Portal: <https://shop.ksb.com>, Youtube: <http://www.youtube.com/user/ksbcompany>, Twitter: <https://twitter.com/ksbcompany>

KSB Pumps Company Limited, Registered Head Office, 16/2 Sir Aga Khan Road, 54000, Lahore, Pakistan

From: Nadeem Naqvi

Sent: Saturday, May 22, 2021 2:53 PM

To: Sialkot Tannery Zone-STZ <info@stagl-skt.com>

Cc: Farooq <mfarooq@ksb.com.pk>

Subject: RE: Establishment of CETP at STZ - Electromechanical Works - Clarification Required Regarding Quoted Prices

Dear MR Muhammad Atif

Thank you very much for your email

We would revert back to you by Monday positively

Kind Regards



Syed Nadeem Naqvi

Head Water & Waste Water

Tel: [+92 4236370970](tel:+924236370970)

Fax: [+92 4236366192](tel:+924236366192)

Mob: [+923008407029](tel:+923008407029)

E-mail: Nadeem.Naqvi@ksb.com.pk

www.ksb.com.pk

KSB Pumps Company Limited, Registered Head Office, 16/2 Sir Aga Khan Road, 54000, Lahore, Pakistan.

----- Original message -----

From: Sialkot Tannery Zone-STZ <info@stagl-skt.com>

Date: 20/5/21 1:13 pm (GMT+05:00)

To: Nadeem Naqvi <Nadeem.Naqvi@ksb.com.pk>

Subject: RE: Establishment of CETP at STZ - Electromechanical Works - Clarification Required Regarding Quoted Prices

Dear Mr Syed Nadeem Naqvi

Waiting your email please respond within 2 days positively.

2

Best Regards

Muhammad Atif

Project Director

Sialkot Tannery Zone (STZ)

Kuluwal Road, Khambranwala Chowk,

District Sialkot, Thesil Sambrial

Contact Detail:

Project Director Muhammad Atif: 0300-6135131 or

o-Secretary Ms Jabeen Naaz: 0309-8604687 / 0336-4737223

Email: info@stagl-skt.com / stagl_skt@yahoo.com

Website: www.stagl-skt.com

Facebook Link: <https://www.facebook.com/profile.php?id=100010107547854>

From: Nadeem Naqvi [<mailto:Nadeem.Naqvi@ksb.com.pk>]

Sent: Monday, May 10, 2021 11:33 AM

To: Sialkot Tannery Zone-STZ

Cc: raza.munir@munirgroup.com.pk; 'SHEIKH ABDUL WAHEED SANDAL'; ceo@stagl-skt.com; stz.projectmanager@gmail.com; Farooq

Subject: RE: Establishment of CETP at STZ - Electromechanical Works - Clarification Required Regarding Quoted Prices

Dear Sir

Thank you very much for your below email for analysis done the consultant on financial bid.

We have gone through the analysis with respect to taxes & duties.

With respect to withholding taxes ,KSB have got tax exemption from FBR ,the certificate would be submitted to STAGL.

Regarding sales tax on import of items ,according to our commercial department it would be 17% and not 20%.(getting confirmation)

Moreover we are getting confirmation on import duties on different items/equipment to be imported on different HS codes.

We would be submitting the comprehensive reply after the holidays and would also like to have meeting at mutually convenient time and date for clarifications and further discussions.

Kind Regards,



KSB Pumps Company Limited

Syed Nadeem Naqvi

Water & Waste Water Segment

Tel: +92 4236370970

Fax: +92 4236366192

Mob: +923008407029

E-mail: Nadeem.Naqvi@ksb.com.pk

www.ksb.com.pk

KSB Pumps Company Limited, Registered Head Office, 16/2 Sir Aga Khan Road, 54000, Lahore, Pakistan.

From: Sialkot Tannery Zone-STZ [<mailto:info@stagl-skt.com>]

Sent: 04 May 2021 15:36

To: Usman Javed; admin.hasanabdal; KSB Pumps Company Limited; Nadeem Naqvi
Cc: raza.munir@munirgroup.com.pk; 'SHEIKH ABDUL WAHEED SANDAL'; ceo@stagl-skt.com; stz.projectmanager@gmail.com
Subject: RE: Establishment of CETP at STZ - Electromechanical Works - Clarification Required Regarding Quoted Prices

Dear Bidder,

1. This refers to your submitted bid dated 15th October, 2020 for “Electromechanical Works of CETP at STZ” and Financial Bid Opening dated 10th March, 2021.
2. Currently we are doing the detailed financial analysis of your bid and have some queries regarding duties, taxes taken on imported and local components. Please find our comments as attached herewith in Annexure-I.
3. Moreover, we have also found some arithmetic errors in quoted process, which have impacted on the total bid prices. Please find the sheets, corrected by our consultant as attached herewith in Annexure-II.
4. In this regard, you are requested to review both annexures i.e Annexure-I & Annexure-II and submit your clarifications accordingly. Moreover, we would also like to have a detailed virtual meeting to discuss and understand the clarifications at any convenient time for you.

Best Regards

Muhammad Atif

Project Director

Sialkot Tannery Zone (STZ)

Kuluwal Road, Khambranwala Chowk,

District Sialkot, Thesil Sambrial

Contact Detail:

Project Director Muhammad Atif: 0300-6135131 or

o-Secretary Ms Jabeen Naaz: 0309-8604687 / 0336-4737223

Email: info@stagl-skt.com / stagl_skt@yahoo.com

Website: www.stagl-skt.com

Facebook Link: <https://www.facebook.com/profile.php?id=100010107547854>

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