

BILL OF QUANTITY (BQ) AND SCOPE OF WORK
UNIT/TEAM : PPM TEAM

REF TITLE : STP4/AERATOR BLOWER

PROPOSED DESLUDGING WORKS, TO REPLACE BLOWER AT AERATION TANK AND ELECTRICAL PARTS AT STP4, MAHALLAH UTHMAN IUM GOMBAK

ITEM	DESCRIPTION	UNIT	QTY	UNIT PRICE (MYR)	TOTAL PRICE (MYR)
1.0	<u>Preliminaries Works</u>	L/S			
A	Mobilization and demobilization of personnel, equipment, support facilities and materials required to complete the work				
B	Apply PTW(Permit To Work) complete with identification card copy by liaise with related authorities for reporting procedure before start the works.				
C	Site Preparation of equipment, material, labour, transportation, cleaning and related safety.				
D	Contractor should obtain the following guideline before and after works : i) Obtain valid pass for workers at DBSB office before starting the work and always display the pass during working hour. ii) Workers should comply with the safety regulations and guideline imposed by Safety and Health Department of DBSB. iii) Wearing suitable PPE equipment and uniform. iv) Contractor should estimate the quantity of workers to complete the above services within the required frequency and time frame by DBSB. v) The machineries should be stored in proper space during rest time and after working hour.				
E	Insurance coverage for Public Liability.				
F	Working days and hour for maintenance works: i) Days : Monday until Friday Time : 9.00AM - 5.30 PM				
G	Any requirement for work during Public Holiday and weekend should be informed to the Supervisor or person incharge.				
H	Reporting Procedures i) Preparation of report for billing purposes should attached with picture affixed with timestamp.				
I	Contractor should responsible any damages done to the property of IIUM Gombak or property inside the IIUM Gombak and compensate the payment if any.				
TOTAL AMOUNT PRELIMINARIES (RM)					

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	(CONT.)				
2.0	<u>Desludging / Cleaning Works</u>				
2.1	To provide a temporary pump to pump out all water in the aeration tank to the clarifier tank for dewatering works	Lot	1		
2.2	To disludge the sludge in the aeration tank by 4.5m ³ disludging tanker	Lot	30		
2.3	To bring 20m ³ sand and debris at submersible aerator area out of IIUM Gombak Campus .	Lot	2		
3.0	<u>Mechanical Works</u>				
3.1	<u>Submersible Aerator Equipment (Please specify other brands and models if there any changes)</u> To supply, dismantle (if any) and install as existing submersible aerator (Model TSURUMI) 80TRN412 CW 12KW, 415V/3PH/50HZ MOTOR The model is required to have the approval according to the specifications allowed by National Water Service Commission (SPAN) inclusive with Stainless steel chain (appropriate size) & stainless steel ring shackle every 1m.	Set	2		
4.0	<u>Civil & Structure</u>				
4.1	To supply new and fabricate 1 unit lifting davit (65mm (D) x 2.1m (H)) and 2 set of sleeve nearby aerator pump,	Lot	1		
5.0	<u>Electrical Works</u>				
5.1	To supply new, install and replace (if required) necessary components and maintain Motor Controlling Circuit (MCC) with Star Delta controller for submersible aerator.	Set	2		
5.2	To supply, dismantle existing (if any) and install New Junction Box c/w others related accessories for operational the system.	Set	2		
6.0	<u>Testing and Commissioning</u>				
6.1	Internal endurance testing all of mechanical and electrical works including re-setting if required. (within 3 days)	Lot	1		
6.2	External testing and commissioning all replacement of mechanical and electrical works with Authorities (Client)	Lot	1		
7.0	<u>Warranty</u>				
7.1	The minimum warranty period is six (6) months in operation mode from the completion date. However the contractor can provide a longer warranty period. Please specify.				
TOTAL AMOUNT PAGE 2 (RM)					

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ITEM	DESCRIPTIONS	UNIT PRICE (RM)
1		
2		
TOTAL AMOUNT (RM)		

Remarks: The tendered price will be valid for 6 months after tender closing date.

WARRANTY PERIOD : _____ months

ESTIMATE DAYS FOR TOTAL INSTALLATION FINISH : _____ days

RINGGIT MALAYSIA:

I hereby certify that all descriptions are correct and all the offered price included the costs involved in refining

Signature of Tenderer :

Signature of Witness :

.....
Name:

.....
Name:

Designation:

Designation:

Date:

Date:

Company Stamp :

Company Stamp :