

**PB/CMU/Q/2025-2026/05**  
**ONE (1) YEAR TERM CONTRACT FOR DESLUDGING, CLEANING AND**  
**MAINTENANCE OF THE SEWERAGE PUMP STATION AT POLITEKNIK BRUNEI,**  
**LUMUT CAMPUS, BELAIT DISTRICT.**

ITEM ITEM	KETERANGAN DESCRIPTION	UNIT	RATE
	<p><b>Supply all labour, equipment, materials and tools including transportation to do the following supply/ installation/ maintenance / repairworks to its good operational conditions and to current good practice and make good to all works distributed to match the existing or to S.O's (Superintending Officer) satisfaction.</b></p> <p>Work covered comprises operation and maintenance, troubleshooting and repair, replacement or supply, delivery, installation, testing and commissioning c/w necessary accessories and works require for a proper installation and equipment to function in order and accordingly, acceptable by S.O in charge as follows: -</p> <p><b>A: DESLUDGING &amp; CLEANING OF SEWERAGE TANKS</b>  <b>B: UNBLOCKING SEWER AND WASTE PIPES WORKS</b>  <b>C: PLUMBING WORKS</b>  <b>D: SEWERAGE SUBMERSIBLE PUMP</b>  <b>E: SEWERAGE PUMP CONTROL SYSTEM</b>  <b>F: EARTH WORKS &amp; EXCAVATION</b></p> <p>All the works carried out, materials, equipment supplies etc., for the above installation shall be strictly in accordance with the local authority standards and original equipment specification.  Standards to comply: -  1. Fire Safety Order, 2016, Brunei Fire Rescue Department.  2. Health and safety requirement according to occupational safety inspection.  3. PBD12: 2017.  4. EIR DES Electrical Standards or latest IEE wiring regulations.</p> <p><b>A    <u>DESLUDGING &amp; CLEANING OF SEWERAGE TANKS</u></b>  Jet-Vacuum tanker shall be used to extract the sludge from the primary chamber of the septic tank into the tanker. Thich and hardened sludge in the primary chamber of the septic tank may need to be fluidified by the use of high-pressure water jetting before being extracted into the vacuum tanker. About 15 to 20cm of the sludge shall be left in the chamber for "seed culture". The effluent in the secondary chamber shall be treated by similar method. the jet-vacuum tankers shall be used to transport the sludge disposal at the Government approved treatment plants or approved disposal sites.</p>		
<b>A1</b>	Pre-treatment sewerage tank (Primary Chamber)	lot	\$ 1,000.00
<b>A2</b>	Aerobic Treatment sewerage tank (Secondary Chamber)	lot	\$ 800.00
<b>A3</b>	Sewerage pump tank	lot	\$ 400.00

<b>B</b>	<b><u>UNBLOCKING SEWER AND WASTE PIPES WORKS</u></b> The contractor shall choose the appropriate techniques for cleaning such as by use of machine, sewer rods or high-pressure jetting. Where high pressure jetting is used the working pressure shall exceed 2000 psi to ensure the clearance of the sewer pipeline.		
<b>B1</b>	Sewer lines / stack pipes with diameter not exceeding 150mm	m	\$ 3.00
<b>B2</b>	Sewer lines / stack pipes with diameter exceeding 150mm	m	\$ 5.00
<b>B3</b>	Waste pipes with diameter not exceeding 100mm	m	\$ 2.50
<b>B4</b>	Waste pipes with diameter exceeding 100mm	m	\$ 4.00
<b>C</b>	<b><u>PLUMBING WORKS</u></b> Supply, deliver, replace, installation, testing and commissioning of pipes as per existing size. This shall include all fixtures and fittings necessary for the pipes. All materials and equipment supplied must be approved type only. All plumbing works shall be done by an approved plumbing workers / contractor.  <b><u>UPVC Soil and Waste Pipes</u></b> Laying in the ground, including all necessary excavation average 450mm deep and hacking out concrete floor / slab where necessary:		
<b>C1</b>	50mm diameter UPVC BS4514 solvent welded joints	m	\$ 30.00
<b>C2</b>	75mm diameter UPVC BS4514 solvent welded joints	m	\$ 35.00
<b>C3</b>	100mm diameter UPVC BS4514 solvent welded joints	m	\$ 40.00
<b>C4</b>	>100mm diameter UPVC BS4514 solvent welded joints	m	\$ 45.00
	Supply, deliver and install UPVC soil and waste pipes; solvent welded and c/w fittings to BS4514:		
<b>C5</b>	50mm diameter pipes	m	\$ 8.00
<b>C6</b>	75mm diameter pipes	m	\$ 12.00
<b>C7</b>	100mm diameter pipes	m	\$ 15.00
<b>C8</b>	>100mm diameter pipes	m	\$ 20.00
	Extra over for all necessary fittings, sockets, connectors, reducers, plugs, elbows, tees, junctions and other similar pipe fittings complete with access/inspection openings		
<b>C9</b>	75mm diameter UPVC BS4514 solvent welded joints	No	\$ 5.00
<b>C10</b>	100mm diameter UPVC BS4514 solvent welded joints	No	\$ 7.00
	Remove existing pipes and replace with new UPVC pipes including fittings to BS4514:		
<b>C11</b>	50mm diameter soil, waste, vent and overflow pipes	m	\$ 10.00
<b>C12</b>	75mm diameter soil, waste, vent and overflow pipes	m	\$ 14.00
<b>C13</b>	100mm diameter soil, waste, vent and overflow pipes	m	\$ 18.00
<b>C14</b>	≥150mm diameter overflow pipes	m	\$ 22.00
	<b><u>Ductile Iron Pipes</u></b> Laying in the ground, including all necessary excavation average 450mm deep and hacking out concrete floor / slab where necessary:		
<b>C15</b>	100mm diameter pipes	m	\$ 40.00
<b>C16</b>	150mm diameter pipes	m	\$ 50.00
<b>C17</b>	200mm diameter pipes	m	\$ 60.00
<b>C18</b>	>200mm diameter pipe	m	\$ 70.00

	Supply, deliver and install ductile iron pipes c/w all necessary fittings and sockets, connectors, reducers, plugs, elbow, tees, union, nipple, bush and other similar pipe fittings:		
<b>C19</b>	100mm diameter pipes	m	\$ 80.00
<b>C20</b>	150mm diameter pipes	m	\$ 100.00
<b>C21</b>	200mm diameter pipes	m	\$ 120.00
<b>C22</b>	>200mm diameter pipe	m	\$ 150.00
	Remove existing pipes and replace with new ductile iron pipes including c/w all necessary fittings and sockets, connectors, reducers, plugs, elbow, tees, union, nipple, bush and other similar pipe fittings:		
<b>C23</b>	100mm diameter pipes	m	\$ 90.00
<b>C24</b>	150mm diameter pipes	m	\$ 110.00
<b>C25</b>	200mm diameter pipes	m	\$ 130.00
<b>C26</b>	>200mm diameter pipe	m	\$ 160.00
	<b><u>Check Valve, Gate Valve, Sluice / Penstock Valve</u></b>		
	Remove, supply, deliver and install valve. Rate to include modification of existing pipe work, if necessary. The work should include:		
	i) Disconnect the existing valve.		
	ii) Check and deblocking of the sewer line where necessary before connecting the new valve to ensure uninterrupted flow of sewer.		
<b>C27</b>	Check valve - 100mm diameter	No	\$ 300.00
<b>C28</b>	Gate valve - 100mm diameter	No	\$ 350.00
<b>C29</b>	Sluice / Penstock valve - 75mm diameter	No	\$ 350.00
<b>C30</b>	Sluice / Penstock valve - 100mm diameter	No	\$ 400.00
<b>C31</b>	Sluice / Penstock valve - 150mm diameter	No	\$ 500.00
<b>C32</b>	<b>OTHER ITEM NOT INCLUDED</b>		
<b>D</b>	<b><u>SEWERAGE SUBMERSIBLE PUMP</u></b>		
<b>D1</b>	Remove, supply, deliver, install, test and commission of submersible raw sewage pump sets inclusive of power cables, stainless steel grade 304 chain, stainless steel guide bar assembly, duct foot and auto-coupling, discharge connection, stainless steel bolts and nuts and all necessary installation accessories. Modification of existing discharge connection where necessary to suit for the new pump duct foot and auto-coupling.	Lot	\$ 5,500.00
	<b>Rate to include:</b>		
	i) Labour charges for disconnecting/dismantling and lifting the existing pump, delivery and installation of the new pump.		
	ii) Temporary diversion of sewage flow by appropriate dewatering method from pump stations wet-well during the uninstallation and reinstallation of sewerage pumps.		

	<p>iii) Reprogramming of the control panel to match the propose pump. Contractor shall check at site on the suitability of control panel with proposed pump and do replacement of electrical parts where necessary for the operation of pump.</p> <p>iv) Testing and commissioning.</p>		
<b>D2</b>	<p>Remove existing submersible pump motor, rewinding pump motor, replace bearings and seals, replace power cable (if necessary), perform general overhaul, reinstallation, reconnection, testing and commissioning.</p> <p><b>Rate to include:</b></p> <p>i) Labour charges for disconnecting/dismantling, lifting the existing pump and re-installing the pump back after repair works.</p> <p>ii) Temporary diversion of sewage flow by appropriate dewatering method from pump stations wet-well during the uninstallation and reinstallation of pumps.</p> <p>iii) Testing and commissioning.</p>	Lot	\$ 1,800.00
<b>D3</b>	<b>OTHER ITEM NOT INCLUDED</b>		
<b>E</b>	<b><u>SEWERAGE PUMP CONTROL SYSTEM</u></b>		
	Supply or replace, install c/w connection and termination which include all the necessary accessories.		
<b>E1</b>	Voltmeter selector switch	No	\$ 100.00
<b>E2</b>	Indicator / pilot light complete with holder	No	\$ 30.00
<b>E3</b>	Voltmeter	No	\$ 100.00
<b>E4</b>	Ammeter	No	\$ 100.00
<b>E5</b>	Hour run meter	No	\$ 100.00
<b>E6</b>	Pust Button (start / stop / Reset) with holder	No	\$ 40.00
<b>E7</b>	Manual Auto Selector Switch	No	\$ 100.00
<b>E8</b>	Fault buzzer	No	\$ 40.00
<b>E9</b>	13A Single Socket Outlet	No	\$ 15.00
<b>E10</b>	12VDC/24VDC 10A PLC c/w programming & setting	No	\$ 700.00
<b>E11</b>	6A - 32A MCB	No	\$ 50.00
<b>E12</b>	63A 2P RCD	No	\$ 150.00
<b>E13</b>	63A 4P RCD	No	\$ 250.00
<b>E14</b>	0°C - 60°C Enclosure Thermostat switch	No	\$ 50.00
<b>E15</b>	660VAC 32A 1P rail mount fuse holder	No	\$ 50.00
<b>E16</b>	6A - 32A cartridge fuse / cylindrical fuse link	No	\$ 30.00
<b>E17</b>	24VDC Relay with base	No	\$ 50.00
<b>E18</b>	220VAC Relay with base	No	\$ 50.00
<b>E19</b>	240VAC - 24VDC Power Supply Unit	No	\$ 100.00
<b>E20</b>	240VAC / 440VAC Contactor	No	\$ 150.00
<b>E21</b>	240VAC / 440VAC Contactor with safety relay	No	\$ 200.00
<b>E22</b>	40A TPN MCCB	No	\$ 180.00
<b>E23</b>	63A TPN MCCB	No	\$ 230.00
<b>E24</b>	100A TPN MCCB	No	\$ 500.00
<b>E25</b>	150A TPN MCCB	No	\$ 650.00
<b>E26</b>	Sewage float level switch c/w necessary works	No	\$ 200.00

<b>E27</b>	60A TPN ELCB	No	\$	180.00
<b>E28</b>	12VDC/24VDC Yellow rotating/flashing beacon warning light surface/base mount	No	\$	200.00
<b>E29</b>	Anti-condensation heater / Enclosure heater	No	\$	150.00
	Supply and installation, checking of XLPE/SWA/PVC cable and making good.			
<b>E30</b>	2x1C/10mm <sup>2</sup> + 10mm <sup>2</sup> ECC cable	m	\$	10.00
<b>E31</b>	2x1C/16mm <sup>2</sup> + 10mm <sup>2</sup> ECC cable	m	\$	16.00
<b>E32</b>	2x1C/25mm <sup>2</sup> + 16mm <sup>2</sup> ECC cable	m	\$	24.00
<b>E33</b>	2x1C/35mm <sup>2</sup> + 25mm <sup>2</sup> ECC cable	m	\$	30.00
<b>E34</b>	2x1C/50mm <sup>2</sup> + 35mm <sup>2</sup> ECC cable	m	\$	40.00
<b>E35</b>	4x1C/10mm <sup>2</sup> + 10mm <sup>2</sup> ECC cable	m	\$	30.00
<b>E36</b>	4x1C/16mm <sup>2</sup> + 10mm <sup>2</sup> ECC cable	m	\$	40.00
<b>E37</b>	4x1C/25mm <sup>2</sup> + 16mm <sup>2</sup> ECC cable	m	\$	52.00
<b>E38</b>	4x1C/35mm <sup>2</sup> + 25mm <sup>2</sup> ECC cable	m	\$	64.00
<b>E39</b>	4x1C/50mm <sup>2</sup> + 35mm <sup>2</sup> ECC cable	m	\$	85.00
<b>E40</b>	4x1C/70mm <sup>2</sup> + 50mm <sup>2</sup> ECC cable.	m	\$	95.00
<b>E41</b>	4x1C/95mm <sup>2</sup> + 70mm <sup>2</sup> ECC cable.	m	\$	130.00
<b>E42</b>	4x1C/120mm <sup>2</sup> + 95mm <sup>2</sup> ECC cable.	m	\$	150.00
<b>E43</b>	To hack and break existing pavement c/w encased mass concrete surround.	m	\$	120.00
<b>E44</b>	<b>OTHER ITEM NOT INCLUDED</b>			
<b>F</b>	<b><u>EARTH WORKS &amp; EXCAVATION</u></b>			
	<u>Imported Fill</u>			
	Selected imported dry earth consolidated in layers			
<b>F1</b>	filling to make up levels	m <sup>3</sup>	\$	5.00
<b>F2</b>	Backfilling around walls and foundations	m <sup>3</sup>	\$	8.50
	<u>Hardcore; filling to make up levels well consolidated</u>			
<b>F3</b>	over 300 mm thick	m <sup>3</sup>	\$	50.00
	<u>Hardcore; beds well consolidated</u>			
<b>F4</b>	100 mm thick (average); blinding with sand / concrete	m <sup>2</sup>	\$	6.50
<b>F5</b>	150 mm thick (average); blinding with sand / concrete	m <sup>2</sup>	\$	9.00
	<u>Sand consolidated in layers</u>			
<b>F6</b>	over 300 mm thick	m <sup>3</sup>	\$	30.00
	<u>Sand consolidated in layers</u>			
<b>F7</b>	50 mm thick (average)	m <sup>2</sup>	\$	2.50
<b>F8</b>	75 mm thick (average)	m <sup>2</sup>	\$	3.50
<b>F9</b>	50mm - 75mm Top Soil	m <sup>2</sup>	\$	3.00
<b>F10</b>	Close turfing using cow grass laying to flat ground	m <sup>2</sup>	\$	3.50
	<u>General excavation depth and dispose off-site</u>			
<b>F11</b>	average 100mm deep	m <sup>2</sup>	\$	1.50
<b>F12</b>	average 200mm deep	m <sup>2</sup>	\$	2.00
<b>F13</b>	over 300mm deep	m <sup>3</sup>	\$	6.00

	<u>Excavate for footing and likes; dispose off-site</u>		
<b>F14</b>	Light-weight machinery	m <sup>3</sup>	\$ 9.00
<b>F15</b>	Hand excavation in restricted area	m <sup>3</sup>	\$ 20.00
<b>F16</b>	<p><b>OTHER ITEM NOT INCLUDED</b></p> <p>We, the undersigned, are willing to contract for and perform maintenance, installation and repair works of Sewerage Pump Station for POLITEKNIK BRUNEI, LUMUT CAMPUS, BELAIT DISTRICT for a period of <b>1 YEAR [ 12 MONTHS]</b> commencing from the date of award of quotation and at rates contained herein at:</p> <p><b>PLUS / MINUS.....% (.....per Centum)* from the fixed rate in the Schedule of Rate not exceeding B\$50,000.00 in accordance with the terms and conditions (PART C - APPENDIX)</b></p> <p><i>Delete as necessary and insert the necessary %</i></p> <p><i>(N.B): If none stated then it would assumed to be "NIL"</i></p> <p><b>Works to include the cost of the following: -</b></p> <p><b>1 Attendance team to attend job order and complaint from S.O., 24 hrs. services and emergencies call.</b></p> <p><b>2 Insurances.</b></p> <p><b>3 Site supervisor and management.</b></p> <p><b>4 Site security.</b></p> <p><b>5 Warning and Signages.</b></p> <p><b>6 Fire prevention.</b></p> <p><b>7 All labour charges for workforce, equipment, supervisions, transportation, supply &amp; delivery, all required material and necessary accessories and works (including all making good) required to complete the necessary accessories and works required to complete the jobs instructed.</b></p> <p><b>8 Labour charges to overhaul / dismantle faulty parts and replace the parts and associated works required c/w testing the equipment back to normal working order.</b></p> <p><b>9 Programme chart. (Subsequent revisions as directed by S.O)</b></p> <p><b>10 Progress photographs.</b></p> <p><b>11 Catalogue / Samples of equipment, accessories and fittings necessary.</b></p> <p><b>12 Preparation of all required shop drawings and as built drawings.</b></p> <p><b>13 Protection of all materials.</b></p> <p><b>14 Providing all maintenance &amp; operation manuals, training and warranties.</b></p>		

**Note:**

1. If you are interested in submitting an offer, you are required to make a payment of **BND\$5.00** to **Finance Division, Politeknik Brunei on the 12th floor, Jalan Ong Sum Ping.**
2. You are also required to fill in the online PARTICIPATION FORM at <https://bit.ly/3Hp2RLt> and upload the payment receipt into the form. Quotation Form (RFQ) and related documents will be sent via email.
3. If you require further information, please do not hesitate to contact [sarifulrizal.jambul@pb.edu.bn](mailto:sarifulrizal.jambul@pb.edu.bn) or contact no +673 887 2673.

*Thank you and looking forward to your participation.*