ANNEXURE -A

Sr. No.	Description of Work	Qty	Unit	Rate	Amount
1	**CPVC FLEXIBLE PRESSURE PIPES** (IS 15778) **AND FITTINGS FOR DRAIN WATER CONNECTIONS FROM EXISTING LINES** (Design map and specifications are attached at the end of the document) Supply and fitting of Flexible pipes for conveying feed water for washbasins & RO Units. Supply and Fittings of **1"** size, CPVC flexible pressure pipes with all required fittings, with high quality branded material, using standard jointing compound thereafter providing sealant complete followed by testing and commissioning. New connection should be established from existing supply line of 1" size, external through the wall (40 cm) and should be properly clamped to wall. Clamping of the pipe is to be done to support it while allowing the freedom for movement. Core drilling, filling of the joints and coloring should be done. Piping for future fixtures shall terminate with approved cap or plug. Proper connection and termination of the Piping should be done with threaded plug where ever required as per the instructions of the Engineer in charge.	65	Meters		
2	**UPVC PRESSURE PIPES AND FITTINGS FOR MASTER DRAIN LINE** (IS 13592) (Design map and specifications are attached at the end of the document) Unplasticised polyvinyl chloride (UPVC) pipes, Type A, for soil and waste discharge system for outside building. Supply & Fittings 6"/8" Inch Drainage type UPVC SCH 40 DWV pipes for drain line with all required fittings (Tees, Elbows, of high quality branded material, using standard jointing compound thereafter providing sealant complete. Adequate slop should be provided for horizontal drainage piping with uniform alignment for free flow of waste water. Drainage Piping for future fixtures shall terminate with approved cap or plug.	150	Meters		

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3	**CIVIL WORK OF PCC PLATFORM FOR ETP PLANT INSTALLATION** (Design map and specifications are attached at the end of the document) **Site clearance:** Surface dressing of the ground including removing trees, vegetation and making surface leveled and disposal of rubbish/debris outside STBI premises to an unobjectionable place. **Digging** on the Ground level (+0.00) up to depth of 420 mm for Trapezoidal area PCC platform, levelling followed by back filling up to 280 mm ground level. Disposal of surplus excavated earth within/outside STBI premises to an unobjectionable place as per the instructions of the Engineer in charge at your cost. Providing and laying 5.5 Cubic meter **Plain concrete work (PCC)** 1:3:6 (lime concrete with hand broken stone aggregates 40 mm nominal size and 40 % mortar comprising of 1 lime putty, 3 fine sand and curing complete on G.L (+0.00) to depth 150 mm. The rate shall include the cost of materials and labor involved in all the operations described above.	1	Work		
4	**PCC BASE WITH BRICK WALL RING FOR ACID RESISTANT PVC COLLECTION TANK** Digging of soil as per size of the PVC tank to be accommodated for laboratory waste water collection. Construction of round PCC bottom for PVC tank seat and round brick wall around PVC tank for tank protection as per size of the PVC collection tank. All concrete should be used of IS M:25 (1:1:2). The excavation for the tank area, depth up to required level to maintain free flow of water to tank. Construction, testing & commissioning of PVC tank and back filling after completed work compacting by the side of foundation and disposal of surplus excavated earth within/outside STBI premises to an unobjectionable place. Necessary Air vent pipe should be erected and inlet for pump set pipe (3 inch Diameter) should be made.	1	Work		

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	Termination of all 6"/8" Drainage type UPVC SCH 40 DWV pipes for main drain line should be done in this collection Tank, and the tank should have at least 4" height above inlet pipe level. As per the site condition the collection tank should be finished at ground level and area except access pipe outlet/ air vent/ manhole should covered with the removed paver block. The rate shall include the cost of materials and labor involved in all the operations described above.				
5	**3000 LITRES PVC WATER STORAGE TANK** Outlet of treated water from ETP plant is to be attached to 3000 Liters PVC storage tank to reuse water in gardening or other purposes.	2	Nos		
6	**CRANE RENTAL TO LIFT AND PLACE ETP PLANT** Currently placed ETP plant is 10m away from the final installation site. Crane on rent should be hired for lifting and placing ETP Plant on PCC Platform once made on completion of civil work.	_____	Rent per hour or consolidated charge of whole work.		
7	**DIGGING TRENCH FOR MAIN DRAIN LINE AND RIFIXING PAVER BLOCKS** Distance of Main Drain line from STBI building to ETP installation site is around 10 meters. Digging of trench for main drain line from STBI building to ETP site and refixing paver blocks after completion of laying drain line should be done.	1	work		
8	Other necessary items (Please mention the name of item required with quantity)	_____	_____		

***** The final payment will be paid based on actual work completed at site. No other charges will be paid.

ANNEXURE -A

Images of site for work

ANNEXURE -A

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PCC Civil Work of platform for ETP plant: