

Schedule - B2 Sewage water sump 50000. lit. capacity at proposed STP					
Sr. No.	Description	Qty	Rate	Per	Amount
1	<p>Preparing structural design of 0.50 Lacks Litter RCC Under Ground / Partially under ground / above high ground level Reservoir of required capacity as per relevant I.S.s and constructing the same, including excavation in all types of soil strata (including rock) including shoring strutting if required, for loose soil / to protect from collapse due to near by traffic load, casting 100 mm thick P.C.C. leveling course in M-10, Refilling the pit with proper soil and disposing of the surplus stuff within a lead of 50 meters. Including cement plaster in CM 1:2 with approved water proofing compound to inside water touching surface to container. Including all types of labour and material charges of lowering, laying, erecting / hosting and jointing of pipe assembly to inlet, outlet overflow, washout and bye pass arrangement as per hydraulic design.</p> <p>Providing and fixing accessories like MS / GI Ladder, CI Manhole frame and cover, water level indicator, adequate cowl type ventilators or lantern type ventilator with stainless steel jail.</p> <p>B.B. Masonry chambers for valves. Providing and applying three coats of cement paint / snowcem to the out side face of structure. It also includes satisfactory water tightness test as per relevant I.S. code and painting name of scheme and capacity on the tank as per direction of engineer in charge.</p> <p>List of Indian Standards for Design of GSR / SUMP:- The structural design of GSR shall be in accordance with provisions relevant I.Ss. (1) I.S. 3370, Part – I to IV, 2009 or latest revised. (2) I.S. 456 – 2000 or latest revised. (3) I.S. 1893 – 2000 – 1984 or latest revised. (4) I.S. 875, Part – 1 to 3, 1987 or latest revised.</p>	1		No.	

Sr. No.	Description	Qty	Rate	Per	Amount
	<p>General Specification :-</p> <p>(1) Water depth in container not specified the suitable water depth / acceptable to field engineer in accordance with hydraulic requirement shall be adopted for capacity.</p> <p>(2) Shape of container (in plan) specified by in data shall be adopted in absence circular shape shall be adopted.</p> <p>(3) Size shall be fixed as per availability of space (land area) at site / acceptable engineer in charge.</p> <p>(4) Effect of overlapping of pressure bulbs on soil due near by structure and proposed sump should be considered.</p> <p>(5) Care shall be taken that no damage should occur to nearby existing structure.</p> <p>Compensation shall be paid for the same by agency.</p> <p>(6) The minimum concrete grade for RCC shall be M-30.</p> <p>(7) HYSD Fe 415 / 500 grade reinforcing bars confirming to I.S. 1786 / 1139 shall be considered in design. CRS / TMT bars shall be provided. In saline atmosphere corrosion resistance stainless steel / HRC rebar shall be provided. Any other steel can be used with approval of client / in situation of non availability in market without extra cost.</p> <p>(8) Minimum size (or thickness) of various components shall be provided as per tender criteria / specifications in absence as per I.S./ Std. practice of G.W.S.S.B. Minimum dimensions specified for various components in tender data / specifications shall be provided without fail.</p> <p>(9)The safe bearing capacity (SBC) shall be referred from SBC test report. In absence of report it shall be referred from data sheet. If poor soil is found / water table is met with during excavation SBC shall be scientifically ascertained and design shall be revise. No extra shall be paid for increase in quantity</p>				
	<p>(10) CI pipes and special shall only be used if type is not specified in tender.</p> <p>(11) The rate shall include cost of dewatering during excavation making all arrangement when water table meets within depth.</p> <p>(12) The structure shall be designed properly to resist uplift due to ground water table specified in data or actual ground water table meets with during excavation. No extra shall be paid. If GWT / Uplift is mentioned in tender and during excavation it dose not meet 7.5% rate shall be reduced.</p> <p>(13)GI pipes railing shall be provided when sump is more than 2 meter above ground level.</p> <p>(14) Appearance of structure should be aesthetically good looking acceptable to authority.</p> <p>(15) Any charge in size, shape, depth below GL, height above GL, water depth, F.B., size of member etc can be permitted in exceptional case due to site condition or hydraulic design requirement by Client No extra shall be paid for change.</p> <p>(16) Any charge in data, dimensions, shape, water depth, reduction in size if permitted by competent authority and if it reduces quantity then payment shall be reduced prorata.</p> <p>(17) When capacity of GSR / Sump is > 20 lakh liters two or suitable compartments acceptable to client / consultant shall be designed and provided.</p> <p>(18) Agency shall engage qualified (at least graduate) consulting engineer for designing the structure and he / she shall visit the site for guidance of work.</p> <p>(19) 75% part rate shall be payable for concrete, reinforcement and plastering items of container until satisfactory hydraulic testing for water tightness is performed as per tender</p>				

Sr. No.	Description	Qty	Rate	Per	Amount
	Above conditions / general specifications Sr. No. 1 to 19 are part and parcel of tender (contact) and prevail over other provisions in tender. (tentative RCC 25cum and Steel 6 MT (20% +/- very as per design) Inlet Pipe : 150 mm Dia Outlet Pipe : 150 mm Dia Over Flow Pipe : 150 mm Dia Wash Out Pipe : 150 mm Dia As above rectangular sump with water table (Sub soil water level above foundation) Sewage water sump near WTP 0.50 LL (Seismic Zone-III) Sewage water sump near DEWATS Cost of 50,000 liter capacity				
	Total Cost				Rs.