

**ASSAM PROJECT
ON
FOREST AND BIO-DIVERSITY CONSERVATION
CONSTRUCTION OF NEW RESIDENTIAL COMPLEX
– AT REHABARI, GUWAHATI - 781 008.**

BILL OF QUANTITIES FOR SEWAGE TREATMENT PLANT & SEWER NETWORK.

A. CIVIL COMPONENT

Sl. No.	Description of items	Unit	Qty.	Rate in Rs.		Amount (in Rs.)
				(In Figures)	(In Words)	
1(a)	Combine Unit of Grit Channel, Fluidized Aerobic Bioreactor (I & II)	Each	1			
(b)	Unit of Tube Settler	Each	1			
(c)	Unit of Clear Water Tank with chlorine dozing system.	Each	1			
(d)	Unit of Sludge Holding Tank.	Each	1			

Sl. No.	Description of items	Unit	Qty.	Rate in Rs.		Amount (in Rs.)
				(In Figures)	(In Words)	
2	Combine Unit of Sump, Pump House & Laboratory House and Screening Chamber.	Each	1			
TOTAL						Rs.

B. MECHANICAL COMPONENT

1	Supplying, Installation, Testing and Commissioning of Sewage Pumps (1 set of 3 pumps) as per design	Set	1			
2	Supply, fabrication, testing and commissioning of the gratings and screens	Set	1			
3	Supply, fabrication, erection, testing and commissioning of all mechanical components of fluidized bed reactor comprising of air blowers, pipe fittings, fine bubble EPDM tubular type diffusers etc.	Lot	1			

Sl. No.	Description of items	Unit	Qty.	Rate in Rs.		Amount (in Rs.)
				(In Figures)	(In Words)	
4	Supply, fabrication, erection, testing and commissioning of tube settler comprising of PVC tube media for efficient settling supports etc.	Lot	1			
5	Supply, installation, testing and commissioning of the sludge feed pumps from sludge holding tank to filter press.	Set	1			
6	Supply, fabrication, erection, testing and commissioning of filter press for sludge drying process	Lot	1			
7	Supply, installation, testing and commissioning of the Chlorine dosing pump	Set	1			
8	Trial run of the Sewage Treatment Plant for a period of 6 (six) months after commissioning.	Job	1			
TOTAL						Rs.

Sl. No.	Description of items	Unit	Qty.	Rate in Rs.		Amount (in Rs.)
				(In Figures)	(In Words)	

C. ELECTRICAL & INSTRUMENTATION COMPONENT

1	Supply, fabrication, erection, testing and commissioning MCC Cabling and International Electrification as per design.	Job	1			
2	Laboratory Equipments and Instruments BOD, COD, TSS, PH, TDS.	Lot	1			
TOTAL						Rs.

D. SEWAGE LINES

1	Design and construction of brick masonry manholes. a) Average depth = 1.0m	No	35			
	b) Average depth = 2.0m	No	10			

