

**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 dozing 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			

Sl. No.	Description of items	Unit	Qty.	Rate in Rs.		Amount (in Rs.)
				(In Figures)	(In Words)	
2	Supply, laying, testing and commissioning of PVC pipe as per design i) 200mm dia	M.	100			
	ii) 250mm dia	M.	80			
	TOTAL					Rs.

**GRAND TOTAL :**

A. CIVIL COMPONENT

Rs.

B. MECHANICAL COMPONENT

Rs.

C. ELECTRICAL & INSTRUMENTATION  
COMPONENT

Rs.

D. SEWAGE LINES

Rs.

Rs.

(Rupees

Signature of the Contractor:

Date & Seal :