

SCHEDULE - B

Name of Work :- Annual Maintenance Contract for 1.0 MLD Sewage Treatment Plant at Gopalpuri for Two Years.

Sr.No.	Description of Item	No.	Qty	Unit	Rate		Amount (in Figures)
					(in Figures)	(in Words)	
1	Operation and Maintenance of 1 MLD Sewage Treatment Plant (MBBR Type) for the period of two years operation round the clock, as per the scope of work , as per the guidelines of Gujarat Pollution Control Board and as per specification or as directed by Engineer in-Charge.						
1a	Operation & Maintenance of Sewage Treatment Plant having 1 MLD capacity by engaging Operators & Security Guards, Which are to be deployed in all three shifts of 8 hrs., each on all days including sundays & holidays of the month and helper / sweeper are to be deployed in the second Shift for whole the month for minor repair & satisfactory working of the system, Also records/documentation is to be maintained for the above work, complete as required.	1	24.00	Per Month			
1b	Comprehensive Maintenance of above STP having including upkeeping and routine / preventive / periodic maintenance of all systems, machineries, piping system, civil structures, cleaning of sumps, chambers, accessories, electrical panels / starters including necessary plumber/technician/Beldar once in a month & , materials, minor / major repair ensuring serviceability / satisfactory working condition of the all system & ensuring quality of treated water as per CPCB / GPCB standard norms.	1	24.00	Per Month			
1c	Laboratry testing reports of incoming sewage and treated water on monthly basis . The treated sewage shall have the parameter like , pH Value, Suspended Solids , Total Dissolved solids , Bio Chemical Oxygen Demand- BOD (5 days at 20C),Chemical Oxygen demand- COD, etc. shall be within the limits as prescribed in relevant BIS code or GPCB norms or as directed by Engineer incharge	1	24.00	Per Month			
2	Supply and installation /fixing of material for MBBR Type STP						
2a	Moving Bio reactor media -HDPE Media with Minimum Effective surface area of 540 m2/ m3	1	46.00	Cubic metre			
2b	Air diffusion pipe -63 mm x 1000 mm, EPDM Membrane Diffuser (1.0 Mt length)	1	60	Nos.			
2c	Hypo chlorine dosing - sodium hypochlorite (NaOCl)	1	730	Liters			
2d	Dual Media Filter – Coal , sand & gravel						
(i)	Filter media -Quartz sand(Coarse) 0.6mm	1	600	Kg			
(ii)	Filter Media- Sand (Fine) 0.45 mm	1	400	Kg			
(iii)	Filter Media- Pebbles- 0.6 mm	1	600	Kg			
iv)	Filter Media- Anthracite (coal) 1mm size	1	2500	Kg			
2e	Gear Oil/ Lubricant for Air Compressor (Twin Lobe Type Rotary blower)	1	104	Liters			

3	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up to 30 cm measured at a height of 1 m above ground level and removal of rubbish up to a distance of 50 m outside the periphery of the area cleared. Considering once in every six months	1	14760.00	Sq.mtr.			
4	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge.						
i)	15 mm nominal Outer dia Pipes	1	50	metre			
ii)	25 mm nominal outer dia Pipes	1	50	metre			
iii)	32 mm nominal outer dia Pipes	1	40	metre			
iv)	50 mm nominal inner dia Pipes	1	45	metre			
v)	75 mm nominal inner dia Pipes	1	75	metre			
vi)	100 mm nominal inner dia Pipes	1	50	metre			
vii)	150 mm nominal inner dia Pipes	1	50	metre			
5	Providing and fixing C.I. sluice valves (with cap) complete with bolts, nuts, rubber insertions etc. (the tail pieces if required will be paid separately)						
i)	150 mm diameter Class I	1	2	each			
ii)	100 mm diameter Class I	1	2	each			
Total							

CONTRACTOR

EXECUTIVE ENGINEER (TD)
DEENDAYAL PORT AUTHORITY