

Name of work:- Day to day operation and maintenance of STP, water supply, Firefighting and External sewer systems at NCBS, CCamp & CB campus for the year 2021-2022

Schedule of Quantity

S.No	Description of the items	Unit	Qty	Rate	Amount
1	Routine maintenance works				
A	Compensation for arranging suitable working mechanisms for carrying out the operation and maintenance of water supply networks ,WTP, STP and fire fighting system and its networks including operation of valve and pumping water from 8 Lakh pump house @ GKVK to 4 Lakh pump house @ NCBS, and from 4 lakh to various OHT in different blocks, labs , housing , Animal house on daily basis. collection well operation and maintenance of pumps and related equipments in 2 shifts pertaining to water supply and 3 shifts pertaining to STP at NCBS campus and 1 General shift for STP and Water supply systems at CB-campus at yelahanka. Operation of pumps, filters rotors, aerators along with Air blowers should be maintained ., pertaining to STP and collection well and settling tank, sludge pumps including collection wells at basement of admin block,SLC and collection well for Archives, operation of following pumps for 2 shifts/days each of 8 hours duration , .complete including submission of Treated water Test Reports(Monthly)), Annual Environmental Audit Report as directed by Engineer-In-Charge.	Month	12.00		
Rate in Words:					
Rate shall be inclusive of ESI,PF,ELI,Bonus ,other amenities like providing yearly shoes,uniforms etc,. And this shall be documented and department certification must be taken before processing monthly bills .The contractor has to note that rate shall be inclusive of all and no extra payment will be made. Rate shall be inclusive of day to day supervision charges of this work. a).Item shall be inclusive of working mechanism to receive water from BWSSB time to time.					

S.No	Description of the items	Unit	Qty	Rate	Amount
	<p>b) Item shall be inclusive of maintenance of sewer line conduits,manholes,Grit/oil chambers .Agency shall note that maintenance of sewer line includes clearing of blockages mechanically ,periodical cleaning of chambers etc,..extra payment for Such work will not be considered.</p> <p>Note - Bill will be paid after submission of ESI & PF details for the workers. Treated water test results to be submitted monthly along with bills for the both the campus.</p>				
	Note:Item should be inclusive of necessary charges for personel protective Equipments like face masks,hand glouse,Good quality gaskets and POL Charges for motors and equipments etc.,				
B	Cleaning of Treated Effluent water tank and other sewage sumps i.e., removal of grit, settled sludge,floating matter and disposing off the same outside NCBS, in an unobjectionable way including cost of necessary labour,cleaning pumps, transport all as directed by Engineer-In-Charge etc complete as below.(cleaning of Each tank to be done once in a year)				
a	Treated effluent tank - 1.3 Lakhs ltrs capacity				
b	Secondary Clarifier water tank - 40000 ltrs capacity				
c	Sludge holding tank 40000Lts capacity				
d	MBBR Tanks capacity of 38000Lts capacity				
e	Collection wells/Equalization tank				
C	Cleaning the GLR of different capacity as below including de-watering, washing with clean waterinclusive of necessary tools, soap oil / powder etc., complete all as directed by the Engineer-In-Charge. (cleaning of Each tank to be done Twice in a year)				
a	2no of 8.00 lakh liters capacity (located outside the NCBS Campus at Railway bridge in GKVK Campus one more at CB site Campus)				
b	1nos of 4.00 Lakh liters capacity (inside the Ncbs Campus)				

S.No	Description of the items	Unit	Qty	Rate	Amount
D	Cleaning the Rain water sump/Rain water harvesting pit of different capacity as below including de-watering, washing with clean water inclusive of necessary tools, soap oil / powder etc., complete all as directed by the Engineer-In-Charge.(cleaning of Each tank to be done once in a year)				
a	1no - Rain water collection sump - Near old library - 15000ltr capacity				
b	1no- Rain water harvesting pit - Near South side security gate - 36000ltr capacity				
c	2no- Rain water harvesting pit - 25000 ltr capacity - Near Parijatha and Tennis court				
d	6no-Rain water collection sump - Admin building & SCDC - 6000ltr capacity				
E	Cleaning the overhead water tanks of NCBS of different capacity including de-watering, washing with clean water with necessary scaffolding/ ladder, tools, etc., at all height complete all as directed.				
a	For mandara and housings - 25000Ltrs capacity(6 no tanks to be cleaned 6 months once).				
b	For Eastern laboratories - 63000Ltrs capacity (2no tanks to be cleaned 3 months once) and for NCBS housing (3 no tanks to be cleaned 6 months once)				
c	Tanks of CCAMP (Syntex Tank) - 15000Ltrs capacity (2no tanks to be cleaned 3 months once).				
d	SCDC OHT - 50000Ltrs capacity (6 no tanks to be cleaned 6 months once) and for Animal house tank (3 no tanks to be cleaned 6 months once)				
e	Syntex tanks and other RO tanks up to 5000Ltrs capacity (6 no tanks to be cleaned 6 months once).				
f	SLC OHT- Capacity - 82000Ltrs capacity (2no tanks to be cleaned 3 months once).				
2	Supplying of Sodium hypochlorite solution of 12% concentrate solution, the cost including GST,transportation charges, etc complete all as direction of EIC., et complete	KG	1500.00		

S.No	Description of the items	Unit	Qty	Rate	Amount
Rate in Words:					
3	Supplying of salt/loose salt each of 50Kg bag, the cost including GSt and transportation, etc complete all as per directions of engineer in charge., etc complete.	Bags	80.00		
Rate in Words:					
4	Clearing of dried/semi dried sludge in sludge drying beds(size 2.5x2.5x1.5Mtr) including removal and refilling of coarse aggregates after proper washing, filling with 150mm thick coarse river sand,disposing the dried sludge in an unobjectionable way from NCBS Campus etc and as directed by EIC	load	9.00		
Rate in Words:					
5	"Compensation for arranging suitable working mechanisms for carrying out the operation and maintenance of fire fighting system as per the following description; i) to ensure the water pressure with in 4-8 kg/cm2 in the fire hydrant/hose reel lines for all the times. ii) The fire line should always be charged up to the terrace level and pressure should be at with in the limits iii) To ensure the checking/operation of wet riser, firehydrants,water sprinklers, and fire pumps at lease once a month as as required. iv) To ensure the proper function of all the fire fighting system, all the parameters of the fire pumps, diesel fire pumps should be recorded and duly signed by the contractors representatives .complete as directed by Engineer-In-Charge.	Job	8.00		
	Note: This work includes repair and Maintainence of all pumps and motors ie, repalcement of gland ropes ,shafts ,pressure guages and necessary parts which requires to maintain system healthy. All necessary works should carried through Authorised Fire Fighting system Maintenance Agency Only.(This Item to be done once in a 3 months).				
Rate in Words:					

S.No	Description of the items	Unit	Qty	Rate	Amount
	NOTES				
	1. Compliant if any shall be promptly attended and duly entered and recorded in log books as directed by Engineer-In-Charge.				
	2. Necessary gate passes / delivery challans for movement of materials shall be obtained in advance.				
	3. All workers safety measures shall be taken by contractors.				
	4. Attendance register must be maintained at site.				
				Total Amount Rs.	
Note: The contractor shall quote his rates in this schedule of Quantity. Submission of tender in any format is Liable for rejection.					

Total Amount in words:

Signature of contractor: