

**TATA MEMORIAL CENTER**  
**ADVANCED CENTRE FOR TREATMENT, RESEARCH AND EDUCATION IN CANCER**  
**TMC/ACTREC/Engg/SPM/ET-82/Sewerage Bypass/2020**

Tender No.

Dt. 18/06/2020

**Sub: Connecting sewerage bypass service line from STP of Hadron Proton Therapy facility to HWCC at ACTREC**

**Schedule of Quantities.**

Name of Agency						
FINANCIAL BID						
Sr.No.	Description	HSN/SAC code	Qty.	Unit	Rate	Amount
1	Excavation in foundation / trenches / pits drains/roads etc. in all soils upto a required depth not exceeding 1.5 mtrs. Including shoring and dewatering if necessary and refilling around foundation plinth and drain line with selected excavation earth in layers Not exceeding 250mm consolidating and disposing surplus earth out of hospital premises complete all as directed by the Engineer-in-Charge.		120	cum		-
2	Plain cement concrete 1:2:4 using graded stone aggregate of 20mm max. size including consolidation using vibrator & needle if required finishing, curing, form work shuttering, centering etc. complete all as per specification and in quantity as & when required by the Engineer-in-Charge.		15	cum		-
3	BRICK WORK: Brick work at all floor level with cement mortar 1:4 using well burnt locally available bricks of approved quality including scaffolding, raking out joints above ground level simultaneous and as directed by engineer in charge. In foundation & plinth drain walls chambers & superstructure of all floor levels.		10	cum		-
4	Cement Plastering of 20mm thickness for brick wall with cement mortar 1:4 finished smooth with neeru over brick walls of concrete surfaces including hacking the concrete surfaces at all floors and levels in quantities as required at site including scaffolding curing, etc. complete all as directed by Engineer-in-Charge.		50	SQM		-
5	Constructing brick masonry circular type manhole 0.91 m internal dia at bottom and 0.56m dia at top in cement mortar 1:4 (1 cement :4 coarse sand), in side cement plaster 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement, foundation concrete 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size), and making necessary channel in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement, all complete as per standard design :0.91 m deep with S.F.R.C. cover and frame (heavy duty, HD-20 grade designation) 560 mm internal diameter conforming to I.S. 12592, total weight of cover and frame to be not less than 182 kg., fixed in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) including centering, shuttering all complete. (Excavation and foot rests to be paid separately) including 12mm thick cement plaster at the external surface : With common burnt clay F.P.S. (non modular) bricks of class designation 7.5. Extra depth for circular type manhole 0.91m internal dia (at bottom) beyond 0.91 m to 1.67 m With common burnt clay F.P.S. (non modular) bricks of class designation 7.5. All complete include labour, material, machinery required as per the directions of Engineer incharge.		3	Nos		-
6	Providing FRP foot rests including fixing in manholes with 20X20X10 cm cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) as per standard design.		15	Nos		-
7	Providing and fixing Ductile Cast Iron (DI) pipe class K9 of nominal dia 200mm in between sewage chambers / manholes as directed by EIC.		25	mtr		-
8	Supply,Installation,Testing and Commissioning of Ductile Iron double flanged Non Rising Stem Resilient seated Gate valve IS/ EN Approved /TAC Compliant or UL listed or Fm approved with LOTO arrangement of size 200MM dia having cast iron body and gun metal working parts with matching flanges, nut bolts, gaskets, etc. complete in all respect. Design: BS 5163, PN 16 Body: DI GGG40 Equivalent to SGI IS: 1865 Gr. 400/15 Disc: DI GGG40 Equivalent to SGI IS: 1865 Gr. 400/15 + EPDM Rubber lined Stem: SS AISI 410/420 Wedge Nut: Brass Fastener: WCB/ CS IS 1367 CL – 4.0/4.6 Drilling Std.: BSEN 1092-2 <del>Finish Coating thickness: 250 microns (fusion bonded)</del>		1	No.		-
9	Providing and laying cement concrete Hume pipe of IS 458:2003 NP-2 class of 300mm diameter in proper line, level and slope including providing and fixing collars with stiff mixture of cement mortar 1:2 and curing etc. complete.		40	mtr		-
10	Providing, laying, jointing, fitting, testing heavy quality P.V.C. pipes of dia 250mm B-Class & of required dia including all fittings, bends required as per site requirement & laying the same in trenches with all jointing materials etc. complete as directed & specified by Engineer-In-Charge		40	mtr		-

11	Providing and fixing chequered plate of 4.5mm thickness including painting with synthetic enamel paint after application of primer as per manufacturers specification over the chambers as directed by EIC		200	KG		-
12	<b>Sewage Transfer Pumps</b> : Supplying, installing, testing & commissioning of Submersible non clog sewage transfer pumps with motor, pressure gauge with isolation cock, Isolation valve, with cutter blades, NRV on delivery line, stainer at suction. The pump shall be suitable for 415±10% volts 3 phase AC supply. Flow rate = 2 m3/hr, Head = 12 mtr, Material of Construction (MOC) of base:- Cast Iron, MOC of shaft:- SS410, motor casing - cast iron, pump casing - cast iron, impeller - double channel , Solid Handling Capacity shall be 35-45 mm .TEFC Motor with IP - 55 rating <b>Make:-CNP/Wilo/Kirloskar/grundfos</b>		1	No.		-
13	Providing and installing / fixing bar screen having Flow rate = 2 m3/hr Material of Construction (MOC) - SS304, bar spacing = solid bar spacing 10mm, size of bar = 8mm dia, size - 1.5M (L) X 0.7M (H) as directed by EIC		1	No.		-
					Total in Rs.	-
					SGST	-
					CGST	-
<b>Total Cost inclusive of All Taxes and duties</b>						-

**NOTE:**

- 1 The agency is requested to visit the site to know actual scope of work.
- 2 Rate shall be quoted inclusive of all taxes Excluding GST which will be paid extra as applicable on submission of challan.
- 3 Material required at site should be assessed by the agency and bill will not be settled for excess/supplied items.
- 4 Bill will be settled as per actual measurement after supply of material at site.
- 5 Deviations/suggestions may be put on separate page in order to attain higher quality performance. Competent authority reserves full right to accept or reject any kind of changes.
- 6 Agency will have to prepare detailed plan of work & obtained approval before execution. Agency will have time bound work schedule for carrying out the work.
- 7 Payment will be released for consumed quantity on satisfactory completion on providing necessary certifications/documentation.
- 8 all above items of this schedule shall have standard make and approved to before installation.
- 9 Payment will be released for consumed quantity on satisfactory completion providing necessary certifications/documentation. Etc.
- 10 Agency has to get a sample approved from Engineer-in-charge in writing before any supply of item.
- 11 ACTREC reserves the right to reject any sample and rescind the work order if the samples are found to be unsatisfactory and if the agency is unable to meet the requirement of ACTREC.