

Sub:-Minutes of the Pre-Bid Meeting held on 07.05.2012 at IITM Pune		
Name of The Work:-Construction of Septic Tank for Multi Training Facility Building at IITM, Pashan, Pune.		
Pre -Bid Date:-07.05.2012		
Sr No	Questions from Bidders	Clarifications
1	Material Advance/Mobilization Advance	No Advance
2	BOQ	Revised BOQ of Septic Tank work should be followed for bidding.It will be uploaded to IITM website .
3	Steel	Steel should be as per the specified make in BOQ
4	Project Duration	60 Days after getting LOI
5	Quoted rates	It should be inclusive of all the taxes.
6	Water Supply	Water supply will be free of cost depending on availability of water at premises otherwise water arrangement is to be done by bidder themselves.
7	Electricity	It will be provided on chargable basis depending on availability otherwise electricity arrangement is to be done by bidder themselves.
8	Drawings	Site layout drawing will be uploaded on IITM website
9	Bid Validity	It will be 120 days.

REVISED BOQ FOR THE SEPTIC TANK					
S.NO	ITEM DESCRIPTION	Qty	UNIT	Rate	AMOUNT
1	Excavation in soil,soft & hard murum...				
	Excavation for footing, machine foundation, plinth beams , wall footing, gutters,brick wall, tanks in soil, soft , hard murum, asphalt road & existing murum filling including removing the excavated stuff upto a distance of 1500 m beyond battery limit area and staking and / or spreading as directed, shoring, strutting, dewatering for all water may accumulate in excavation(from spring,tidal or rivr seepage,broken water mains or drains and seepage from sub soil aquifer,septic tank) and preparing the bed as directed including back filling in layers etc. complete				
	A) 0.00 - 1.50 m Depth	200.00	Cum		
	B) 1.50 – 3.00 m Depth	200.00	Cum		
	C) 3.00 - 4.50 m Depth	100.00	Cum		
	D)4.50m - 6.00 m Depth	100.00	Cum		
2	Excavation in hard rock...				

	Excavation for column foundation, machine foundation, plinth beams, wall footing, gutters, hume pipe,tanks in hard rock by pneumatic/hydraulic machinery,(without blasting) including removing the excavated material any where in the company premises , up to lead of 1500m & spreading as directed , dewatering for all water may accumulate in excavation(from spring,tidal or rivr seepage,broken water mains or drains and seepage from sub soil aquifer,septic tank), preparing the bed for the foundation & necessary back filling with available earth, watering , ramming Including shoring, strutting etc complete as directed				
	A)3.0-4.5m Depth	10.00	Cum		
	B) 4.5- 6.50 m Depth	10.00	Cum		
	C) 6.0 m and above	10.00	Cum		
3	Filling in plinth with contractors murum...	200.00	Cum		
	Same as above, but filling with contractor's locally available filling material with all leads and lifts brought from outside (material to be approved by engineer in charge) including all royalties etc. complete.				
4	Carting away surplus excavated earth...				
	Conveying of surplus excavated earth & sludge to outside areas with all royalties and the disposal by mechanical transport etc complete (Rate including all leads and lifts beyond municipal corporation boundary limit)				
		300.00	Cum		
5	P.C.C. 1:3:6				

	Providing and laying in situ Plain Cement Concrete 1:3:6 of trap metal for foundation, floor bedding etc. including dewatering, formwork, compacting and curing & placing etc. complete at all depths. Rate shall include concrete brought from RMC plant or batching plant installed on site or outside site premises by contractor				
		7.00	Cum		
6	Screed waterproofing				
	Providing and laying Screed waterproofing to the bottom of tank with 1:1.5:3 cement concrete base laid in proper slope & level, finishing the top coat with cement mortar 1:3 with finely screened sand, including mixing Fosrock make waterproofing compound at all stages, all lifts, cleaning, curing, giving 7 days Pond test And 10 years guarantee in approved format etc. complete including 'coving in' edges up to 300 mm above the finished tank bottom surface with coving.(Measurement given, is clear plan dimensions)				
		10.00	Cum		
7	Cement concrete M25 grade...				
	Providing and casting in situ cement concrete of M 25grade concrete of trap metal as per detailed designs including dewatering, centering formwork with shuttering ply & steel plates, compacting with vibrators, placing & fixing inserts (viz. plates, pipes for cutouts, anchors), formation of cutouts, chases etc. as per detail drawing and curing complete. RCC structures shall be Fair Finish.(Rate at all heights & levels and excluding tor / mild steel Reinforcement). Rate shall include concrete brought from RMC plant or batching plant installed on site or outside site premises by contractor				
	A) Footings/ rafts/foundation block/bed block	35.00	Cum		

	B) Slab of all types.	17.00	Cum		
	C) Pardi, walls 200-300 mm thickness.	50.00	Cum		
8	TMT Tor / Mild steel bar reinforcement...				
	Providing, fixing and laying in position TMT Tor / Mild steel bar reinforcement of various diameter. for R.C.C. work as per detailed designs, drawings & schedules or as directed including straightening, cutting, bending, hooking the bars, Chairs, laps ,binding with wires or welding and supported as required, providing cover blocks etc. complete (Rate at all heights & levels & including cost of binding wire and / or welding rods)make Sail,Tisco,RINL or equivalent				
	A) TMT Tor steel	15.00	Tonnes		
9	Plum concrete...				
	Providing and laying plum concrete with using PCC 1:3:6 60% and trap rubble not more than 40% as per detailed designs including dewatering ,centering formwork with shuttering ply & steel plates, Compacting with vibrators, placing and curing etc. complete.				
		45.00	Cum		
10	Waterproof cement plaster...				
	Providing & applying waterproof smooth finish cement plaster in Cement mortar 1:4 (minimum thickness 12 mm) with waterproofing compound of approved make to concrete, brick or stone masonry surfaces, ceilings including roughening concrete surface, scaffolding, curing, cleaning etc. complete at all heights,. levels & floors	200.00	Sqm		
11	Inspection Chambers with precast...				

	Providing and constructing masonry INSPECTION CHAMBERS up to 1500 mm depth in 230 mm thick conventional brick masonry in C.M. 1:5,including excavation up to 1.5 m depth in all kind of strata(excluding Hard rock), 100 mm thick 1:3:6 c.c.bedding, C.M. 1:4 plaster from inside & outside surfaces with smooth cement rendering on the internal surface, haunches, channels including precast concrete (M25) medium duty frame and cover fixed in cement Concrete 1:2:4 and three coats of bituminous paint to the frame and cover.				
	A) 600 mm x 600 mm	2.00	Nos		
12	Inspection Chambers with precast...				
	Providing and constructing masonry INSPECTION CHAMBERS up to 2000 mm depth in 230 mm thick conventional brick masonry in C.M. 1:5,including excavation up to 1.5 m depth in all kind of strata(excluding Hard rock), 100 mm thick 1:3:6 c.c.bedding, C.M. 1:4 plaster from inside & outside surfaces with smooth cement rendering on the internal surface, haunches, channels including precast concrete (M25) medium duty frame and cover fixed in cement Concrete 1:2:4 and three coats of bituminous paint to the frame , cover and C.I Grating.				
	A) 600 mm x 600 mm	2.00	Nos		
13	Circular Manhole	2.00	Nos		

	Constructing brick masonry circular manhole 1.52 m internal dia at bottom and 0.56 m dia at top in cement mortar 1:4 (1 cement : 4 coarse sand) inside cement plaster 12mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement, foundation concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size) and making necessary channel in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) finished with a floating coat of neat cement all complete as per standard design				
	including 2.30m deep with SFRC Cover and frame (heavy duty HD-20 grade designation) 560mm 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 20mm nominal size) including centering shuttering ,Excavation, foot rests and 12 mm thick cement plaster at the external surfaces With F.P.S. bricks class designation 75 etc.Complete				
14	Extra depth for circular type manhole 1.52 m internal dia (at bottom)beyond 2.30 m With F.P.S. bricks class designation 75	1.50	Rmt		
15	MS Foot Rest	10.00	nos		
	Providing M.S. foot rests including fixing in manholes with 20x20x10 cm cement concrete blocks 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) as per standard design With 20x20 mm square bar				
16	Precast RCC Manhole Covers				

	Providing and fixing in position pre-cast R.C.C. manhole cover and frame of required shape and approved quality including channels , precast concrete (M25) heavy duty frame and cover fixed in cement Concrete 1:2:4 and three coats of bituminous paint to the frame and cover.				
a	with Circular shape 560 mm internal diameter	2.00	NOS		
b	With Square shape 450mm internal dimensions	2.00	NOS		
17	PVC Pipe				
	Providing and fixing PVC pipe(6 Kg/Cm) conforming to IS : 13592 Type A including All Specials, jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.				
	110 mm diameter	15.00	RMT		
18	RCC hume pipe...				
	Providing, laying and jointing RCC HUME PIPES of NP 2 class with all specials below ground level at all depths including cutting, jointing with hemp yarn & C.M.1:1 and testing including excavation up to Hard rock & refilling, cleaning etc. complete(Note:if required end casing in 1:2:4 Concrete should consider be extra). Excavation in hard work shall be approved and paid extra under item no 2				
	A) 150 mm dia.	100.00	RM		
	B) 200 mm dia.	50.00	RM		
	C) 300 mm dia.	50.00	RM		
19	Making soak pit 2.5 diameter 3.0 meter deep with 45 X 45 CM dry brick honey comb shaft with bricks of class designation 75 and S.W drain pipe 100mm diameter 1.8 m long complete as per standerd design	1.00	Each		
19	Desludging of septic tank from all levels & safely disposal of sludge outside the PMC area with all taxes& royalties etc.	1.00	Job		

20	Desludging of temporary septic tank from all levels & safely disposal of sludge outside the PMC area with all taxes& royalties etc. The desludging shall be as & when required basis.	15.00	Nos		
	Total				

