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Item Wise BoQ

Tender Inviting Authority: Infra Projects Department, Alcock Yard, MDL

Name of Work: Provision of Fire Water Hydrant System inside SSA Workshop, Alcock Yard, MDL Mumbai

Contract No: 180000032

Bidder Name :									
PRICE SCHEDULE									
NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER #	NUMBER	NUMBER	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	Unit Rate in Figures To be entered by the Bidder	Service Tax including Swachh Bharat Cess and Kisan Vikas Cess	WCT under VAT	TOTAL AMOUNT Without Taxes	TOTAL AMOUNT With Taxes	TOTAL AMOUNT In Words
1	2	4	5	13	14	15	53	54	55
1	Earth work in Excavation (including for foundation) by mechanical means/ manual means in all types of soils , such as Earth, Marine Clay, Marshy Land, Running Sand, Garbage, Slush, Murum, Rock Boulders, RCC boulders, any type of road layer etc. as directed by Engineer in-charge. The rate includes pumping out water if required, removing the rank vegetation and refilling the excavated materials wherever required within lead of 150 mtr as directed including leveling, ramming etc and removing the surplus excavated materials to municipal dumping ground at any distance as directed. The rate also includes supporting public utilities such as cables, drains services pipes water mains, but shall not include the cost of shoring. Where unshored trenches are allowed slope as specified shall be given. (cutting of MS plates & old RCC foundation coming during excavation shall be paid separately.) --Depth up to 1.5 m	295.00	Cum				0.0000	0.00	INR Zero Only
2	Close timbering in trenches including strutting, shoring and packing cavities (wherever required) complete. (Measurements to be taken of the face area timbered). --Depth exceeding 1.5 m but not exceeding 3 m	100.00	Sqm				0.0000	0.00	INR Zero Only
3	Providing and laying dry rubble soling in thickness specified by Engineer-In-charge with hand set in regular lines, interstices being filled in with small pieces of stones, hard murrum etc. thoroughly rammed, consolidated and watered complete as directed and specified.	4.00	Cum				0.0000	0.00	INR Zero Only
4	Pumping out water from trenches, pits etc upto 4 mtrs. Depth from ground level and discharging of the water through hose to the nearest water gully/manhole/drain complete as directed (Pumping capacity should not be less than 3 litres per second) Note: This item may be operated in areas other than excavation areas where puddles of water is noticed during execution of work is in progress solely at the discretion to the engineer-in-charge.	5.00	Pump working hour				0.0000	0.00	INR Zero Only

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NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER #	NUMBER	NUMBER	NUMBER #	NUMBER #	TEXT #
5	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material to dumping ground as per direction of Engineer - in- charge. NOTES :- The work of demolishing, cutting down, dismantling, etc. includes propping wherever required as directed, stacking the removable material as detailed in individual items and carting away all unserviceable materials and debris from site. The amount should include cost for carrying out any other unforeseen items required for the proper execution of the work. The contractor will have to put up a proper and sufficient hoarding, screen and fence during the time as may be necessary for the safety and convenience of the inmates of the existing buildings and maintain the same in the good condition during demolition and wherever necessary cause such hoarding or fence to be well lit during the night to prevent accidents. Contractor will have to make good without any extra payment any damage done during construction.	10.00	Cum				0.0000	0.00	INR Zero Only
6	Extra for cutting reinforcement bars manually/ by mechanical means in R.C.C. or R.B. work (Payment shall be made on the cross sectional area of R.C.C. or R.B. work) as per direction of Engineer -in -charge. NOTES :- The work of demolishing, cutting down, dismantling, etc. includes propping wherever required as directed, stacking the removable material as detailed in individual items and carting away all unserviceable materials and debris from site. The amount should include cost for carrying out any other unforeseen items required for the proper execution of the work. The contractor will have to put up a proper and sufficient hoarding, screen and fence during the time as may be necessary for the safety and convenience of the inmates of the existing buildings and maintain the same in the good condition during demolition and wherever necessary cause such hoarding or fence to be well lit during the night to prevent accidents. Contractor will have to make good without any extra payment any damage done during	10.00	Sqm				0.0000	0.00	INR Zero Only
7	will have to make good without any extra payment any damage done during Dismantling and removing lime or plain cement concrete with all leads & lifts including carting away debris etc. complete as directed.	10.00	Cum				0.0000	0.00	INR Zero Only
8	Cutting down masonry work of any size and shape in lime or cement mortar including plaster etc. complete as directed. Rate shall include the carting away of the material out of premises.	10.00	Cum				0.0000	0.00	INR Zero Only
9	Dismantling steel work in trusses, rafters, purlins, girders, rails etc and stacking within the premises as directed. Carriage of material by mechanical transport including loading, unloading and stacking. Taking material to south	500.00	Kg				0.0000	0.00	INR Zero Only

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NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER #	NUMBER	NUMBER	NUMBER #	NUMBER #	TEXT #
10	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	30.00	Cum				0.0000	0.00	INR Zero Only
11	Providing and Laying in foundation bedding, backing or steps upto plinth level etc. with cement concrete in M-15 grade including formwork, curing, vibrating etc. complete as directed.	2.00	Cum				0.0000	0.00	INR Zero Only
12	<p>Proving and casting in situ M-30 grade RCC including formwork, curing, vibrating excluding reinforcement etc. complete as directed.</p> <p>-- for raft Slab/ Pedestals</p> <p>Notes: 1. The rates shall include the cost of complete work including mix design, site laboratory equipment, centring, form work, placing, vibrating, tamping, curing, roughening the exposed surfaces for receiving plaster/finishing, reinforcement will be paid for separately, unless otherwise specified. The centring shall be only in steel scaffolding & adjustable steel props.</p> <p>2. The concrete shall be machine mixed. Use of mechanical vibrator shall be made for all R.C.C. work wherever directed. All joints and gaps in the form work shall be covered with water proof papers as directed and full water proofing paper shall be used for casting the terrace/floor slabs and sanitary blocks at every floor. Precast cement mortar (1:2) cover blocks or approved plastic cover blocks shall be used for all beams, slabs, columns and footing as directed. R.C.C. slabs in sanitary blocks, washing places, bath rooms and nahani slab portions must be sunk as per drawings for which nothing extra will be paid.</p> <p>3. The rates of R.C.C. items are for floor height upto 3 mt. in single stage</p>	8.00	Cum				0.0000	0.00	INR Zero Only
13	<p>Providing and fixing in position reinforcement of all dia for RCC piles, pile caps, footings, foundations, slabs, columns, beams, canopies, staircase, newels, chajjas, lintels pardis, copings, fins, arches etc. as per detailed designs, drawings and schedules including cutting, bending, hooking the bars, binding with wires or welding and supporting as required at all locations and height all labour and materials etc. complete.</p> <p>Wastage in cutting will not be paid for. only steel actually fixed in position will be paid by linear measurement including hooks and bends. No payment will be made for binding wires, pins, spacers and laps other than standard laps. Authorised/ Standard laps and Chairs as per BIS and as directed by engineer in-charge shall be payable.</p> <p>i) HYSD (Fe 500) -- MS round bars</p>	0.50	MT				0.0000	0.00	INR Zero Only

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14	Providing and fixing in position reinforcement of all dia for RCC piles, pile caps, footings, foundations, slabs, columns, beams, canopies, staircase, newels, chajjas, lintels pardis, copings, fins, arches etc. as per detailed designs, drawings and schedules including cutting, bending, hooking the bars, binding with wires or welding and supporting as required at all locations and height all labour and materials etc. complete. Wastage in cutting will not be paid for. only steel actually fixed in position will be paid by linear measurement including hooks and bends. No payment will be made for binding wires, pins, spacers and laps other than standard laps. Authorised/ Standard laps and Chairs as per BIS and as directed by engineer in-charge shall be payable. i) HYSD (Fe 500) --- HYSD bars	1.00	MT				0.0000	0.00	INR Zero Only
15	Providing and laying in position ready mixed M-30 grade concrete for reinforced cement concrete work, using cement content as per approved design mix, manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads, having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work, including pumping of R.M.C. from transit mixer to site of laying , including the cost of centering, shuttering finishing and reinforcement, including cost of admixtures in recommended proportions as per IS : 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer - in - charge. ---- All works upto plinth level	10.00	Cum				0.0000	0.00	INR Zero Only
16	Providing and applying TACK COAT with CATIONIC BITUMEN EMULSION (RS) @ 0.2 to 0.25 Kg. of Sq.mt. over prepared surface to receive bituminous mix by applying TACK COAT with mechanical spray bitumen, including cleaning of road surface etc. completed, as directed For NORMAL BITUMINOUS SURFACES & the tack coat shall be left to cure until all the volatiles have evaporated before any subsequent construction is started, which is indicated by change in colour from brown to black(As per New Road Specifications Clause No. 314, curing as per 314.3.4)	100.00	Sqm				0.0000	0.00	INR Zero Only
17	Providing, Laying and construting Asphalt Road with following layers 1. 250 mm thick GSB 2. 250 mm thick Granular base - WMM 3. 100 mm thick DBM - VG - 30 (will be executed in two layers)	25.00	Sqm				0.0000	0.00	INR Zero Only

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18	Making plinth protection 50 mm thick of cement concrete 1:3:6 (1 cement: 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including finishing the top smooth. Note : Please refer note	25.00	Sqm				0.0000	0.00	INR Zero Only
19	SFITC of G.I. pipe of C class ERW of size 80 mm dia with necessary flanges & fittings complete as per tender specification. Refer note indicated at BOQ of Fire Hydrant Water System, Section -B, Volume- III of tender Enquiry	200	RM				0.0000	0.00	INR Zero Only
20	SFITC of G.I. reducing Tee of size 150 X 80 NB. Refer note indicated at BOQ of Fire Hydrant Water System, Section -B, Volume- III of tender Enquiry	17	Nos				0.0000	0.00	INR Zero Only
21	SITC of Anti corrosion Tape for Underground Pipes for size 80 NB, as per tender specification. Refer note indicated at BOQ of Fire Hydrant Water System, Section -B, Volume- III of tender Enquiry	50	RM				0.0000	0.00	INR Zero Only
22	SITC of Socket weld end CS Ball Valves , for size 20 NB. [Valve Make: Leader / L&T / Nutech] Refer note indicated at BOQ of Fire Hydrant Water System, Section -B, Volume- III of tender Enquiry	34	Nos				0.0000	0.00	INR Zero Only
23	SITC of gun metal 80/63 NB dia.Single Outlet Hydrant Valve fitted with all accessories complete as per specification. Refer note indicated at BOQ of Fire Hydrant Water System, Section -B, Volume- III of tender Enquiry	17	Nos				0.0000	0.00	INR Zero Only
24	Providing & fixing drum type wall mounted hose reels , swivelling 180 degrees consisting of 20 mm dia x 30 mtr long (make - swastik or Dunlop) armoured rubber hose pipe with 6.3 mm dia bronze shut off type jet nozzle, making connection to the verticle riser by cutting , welding including providing 20 mm dia shut off valve, all necessary piping , fittings, fixing the hose reel with necessary anchor fastners by drilling holes in walls / RCC , making good the same all complete. Refer note indicated at BOQ of Fire Hydrant Water System, Section -B, Volume- III of tender Enquiry	17	Nos				0.0000	0.00	INR Zero Only
25	Providing & installing in position 2 lengths of 15 mtr long & 63 mm dia controlled , RPL lined canvass hose reels of approved make along with couplings, branch pipes & nozzles in a meta box with lockable glass doors & painted with post office red & fixing the same at ground level at suitable location so as to be easily seen & accessible etc all complete. Refer note indicated at BOQ of Fire Hydrant Water System, Section -B, Volume- III of tender Enquiry	17	Nos				0.0000	0.00	INR Zero Only

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26	Supply, Fabrication, Painting of Steel Support to be Including. - ISA , ISMC - ISMB - Others as required by Site condition (steel support shall have 1 coat primer & 2 coats epoxy painting.) Scope is including Supply & fitting of Nickle coated U clamps with nuts As per Pipe size Refer note indicated at BOQ of Fire Hydrant Water System, Section -B, Volume- III of tender Enquiry	1500	Kg				0.0000	0.00	INR Zero Only
Total in Figures							0.0000	0.0000	INR Zero Only