

BEML LIMITED BANGALORE	
TENDER REF: 6300038830	DATE: 18.05.2024

ISSUED TO:	Period of contract:	03 Months
	EMD :	Rs. 10,000/-

Sub: Securing the existing Compound wall by "Increasing the height of existing SSM Compound wall by Providing barbed wire & Concertina Coil fencing near Old STP Plant at forest area of BEML Township & southern side of old Vibuthipura lake" at BEML Township, Bangalore Complex, BEML Limited, Bangalore-560075.

SCHEDULE 'A' - BILL OF QUANTITIES

Sl. No	Description	Unit	Qty	Rate/unit in fig. & in words Rs.	Amount (Rs)
1	Demolition/dismantling the existing cement concrete / coping concrete on top of wall in any description and in any position including disposal of debris outside the site premises to a distance not exceeding 5.0 KM which is not objected by any local civic authorities etc., complete all as specified and as directed by Engineer in charge. Note: The dismantled materials shall be removed immediately from the premises without disturbing the regular public / traffic movement on the road and the quoted rate is deemed to include for all lead & lift etc.	Cu.M	1.00		
2	Dismantling the existing structural steel MS Y angle brackets, existing barbed wire, and other structural steel members fixed to the existing old Compound wall, handing over the same to BEML and stacking at a place shown etc., complete all as specified & directed by Engineer-in-charge	Kgs	100.00		
3	Demolition/dismantling the existing Size Stone masonry wall in any thickness etc., including disposal of debris outside the site premises to a distance not exceeding 5.0KM which is not objected by any local civic authorities etc., complete all as specified and as directed by Engineer in charge. Note: The dismantled materials shall be removed immediately from the premises without disturbing the regular public / traffic movement on the road and the quoted rate is deemed to include for all lead & lift etc.	Cu.M	15.00		
4	Constructing of size stone masonry superstructure wall built in Cement Mortar 1:6, using available stones, well bonded, bedded & solidly hearted in course not less than 20cm high & brought upto courses, including chisel/hammer dressing to face stones & corner stones of pillars including curing etc., complete all as specified and directed by the Engineer in charge.	Cu.M	15.00		

Sl. No	Description	Unit	Qty	Rate/unit in fig. & in words Rs.	Amount (Rs)
5	Providing & laying in position TMT bars (Fe 500 grade) in reinforcement conforming to relevant IS in various diameters for various locations & levels as shown in drawing, cut to length and bent to shape required, binding spirally with MS wire (annealed) of size not less than 0.9 mm dia including all lead, lift, etc., complete all as specified and directed by Engineer in charge. NOTE: a) The rate quoted by the Contractor for the item is deemed to include for cement mortar cover blocks as per the requirement at site and providing and removal of scaffolding/staging wherever necessary. b) Reinforcement will be measured based on actual qty placed in position on standard weight basis, no allowance will be made for rolling margin. c) Only authorized laps, chairs and spacers shall be measured and paid.	Kgs.	150.00		
6	Providing, mixing and laying in position Reinforced Cement Concrete M20 grade of mix proportion 1:1.5:3, using 20mm graded down size granite aggregate for Lintel Beams,etc complete including curing, compacting, finishing,dewatering wherever necessary including lead, lift etc., complete all as specified and directed by Engineer in charge. Note: a) Reinforcement shall be measured and paid separately under relevant item. b) The rate quoted by the Contractor for the item is deemed to include for providing and removal of form work/centering/shuttering wherever necessary.	Cu.M	2.00		
7	Providing and constructing size stone masonry superstructure wall built in Cement Mortar 1:6, well bonded, bedded and solidly hearted in courses not less than 20cms high using good quality granite size stones including chisel/hammer dressing to face stones & corner stones of pillars including curing etc., complete all as specified and directed by the Engineer in charge.	Cu.M	22.00		
8	Providing mixing and laying in position plain cement concrete of Mix proportion 1:2:4 of required thickness for coping/plinth concrete similar works using 20mm down graded granite aggregate machine mixed, compacted & top surface finished smooth & even using extra cement mortar including grouting MS Y angles, centering, shuttering as per site requirement etc complete all as specified and directed by Engineer in charge	Cu.M	5.00		
9	Providing Keyed pointing in Cement mortar 1:4 to the existing size stone masonry superstructure wall including scaffolding as required at site, curing etc., complete all as specified and directed by Engineer in charge.	Sqm	120.00		

Sl. No	Description	Unit	Qty	Rate/unit in fig. & in words Rs.	Amount (Rs)
10	Supplying, fabricating, cutting, welding and fixing MS angles /channels fabricated & welded to Y shape above the masonry wall for fixing barbed wire fence & Concertina coil using standard, MS structural steel sections including embedding in concrete with all necessary grouting including surface preparation & painting with 2 coats of synthetic enamel paint manufactured by M/s. Asian/Berger paints over a coat of red oxide primer conforming to relevant IS etc., complete all as specified and directed by the Engineer in charge. Note :- Cement concrete for Grouting shall be measured under the relevant item.	Kgs	450.00		
11	Supplying, placing in position & fixing Galvanised 2 strand steel barbed wire 2.24mm dia barbed with 2mm dia barbs at 75mm spacings and straining and fixing to MS Y bracket fixed firmly including securing or tying at crossings with and provision of galvanised mild steel wire, etc., complete all as specified and directed by Engineer Note: 1) Each line wire will be measured for payment purpose. 2) The rate quoted for the item is deemed to include for providing & removal of scaffolding/staging wherever necessary.	Rmt	850.00		
12	Supplying & fixing concertina coils micon 250 GSM rust proof 600mm diameter & 6Mtr stretchable length per coil including fixing to the MS Y angle & barbed wire etc., complete all as specified and directed by Engineer in charge. Note: The bidders to quote the unit rate per coil (01 no. 2)The rate quoted for the item is deemed to include for providing & removal of scaffolding/staging wherever necessary.	Coil	20.00		
13	Cutting holes in size stone masonry walls built in cement mortar for inserting MS Y angles/holdfasts of size approximately 20cmx20cmx20cm and making good the dismantled portion in cement mortar 1:3 or cement concrete 1:2:4 etc.,complete all as specified and directed by Engineer in charge.	Nos	40.00		
14	Preparing the steel surfaces by scrapping, removing dust & applying two coats of synthetic enamel paint over a coat of red/yellow oxide zinc chromate primer of first quality & approved brand manufactured by M/s Asian Paints/Berger etc., complete all as specified and directed by Engineer in charge. Note: The rate quoted for the item is deemed to include for providing & removal of scaffolding/staging wherever necessary.	Sqm	25.00		
	Total value of work excluding GST Rs				
	GST Rs. & %				
	Total value of work inclusive of GST Rs				

(Total Amount in words Rupees.....
.....)

Signature of the Contractor with seal