

BEML LIMITED, BANGALORE					
Tender Number: 6300039882			Period of contract:	3 Months	
			EMD : (Rs)	40,500.00	
Foundation/Pit for new Bead Blast Machine in Bangalore Complex.					
SCHEDULE 'A' - BILL OF QUANTITIES					
Sl. No	Description	Unit	Qty	Rate/unit in fig. & in words Rs.	Amount (Rs)
1	Cutting through the existing Hardstanding concrete upto 150mm depth approximately by using a suitable cutting machine and trimming the edges of concrete surface and disposal of unusable materials or debris outside the site premises to a distance not exceeding 5.0 KM not objected by local civic authorities including lead ,lift etc.,complete all as specified and directed by Engineer in charge. <b>Note:</b> The dismantled materials shall be removed immediately from the premises without disturbing the regular production activities .	Rmt	35.00		
2	Demolition/dismantling the existing cement concrete flooring/hard standing concrete in any description and in any position not otherwise specifically provided for stacking of serviceable materials and disposal of debris out side the premises to a distance exceeding 1.5m &not exceeding 5km from the premises etc., complete all as specified and directed by Engineer in charge. <b>Note:</b> The dismantled materials should be removed immediately from the premises without disturbing the regular production activities and the quoted rate is deemed to include for all lead & lift etc.	Cu.M	15.00		
3	Earth work excavaion by mechanical means/manual means in foundation trenches not exceeding 1.5 Mts in width & not exceeding 1.5 mts depth and exceeding area 10 Sqm on plan in all kinds of soil but excluding hard rock for foundations/ pits including getting out the excavated earth and disposal of debris out side the premises to a distance exceeding 1.5m &not exceeding 5km, disposal of surplus excavated soil as directed including dressing of sides, dewatering ground water/rain water, compaction etc.,complete all as specified and as directed by Engineer in charge.	Cu.M	120.00		
4	Providing and laying in Position Plain cement concrete of mix proportion 1:4:8 using stone aggregate of 40mm down graded granite aggregate, laid in layers not exceeding 15cms well compacted for foundation bed, under floors and other similar works including curing etc.,complete all as specified and as directed by Engineer in charge. Note: The rate quoted for the item shall be deemed to include for providing and removal of centering/shuttering wherever necessary.	Cu.M	5.00		
5	Providing, mixing and laying in position Reinforced Cement Concrete of mix proportion 1:1:2 of M25 grade using 20mm downgraded granite aggregate for foundation bed, raft beams, plinth beams, RCC walls, columns, pocket holes etc., complete including curing, Vibrating, compacting, finishing, dewatering wherever necessary and including cost of all materials,labour, lead, lift, tools, plant & machinery, hire & fuel charges and all other incidental charges etc., complete all as specified and directed by Engineer in charge. Note:a) Pocket holes to be provided at floor level for fixing foundation bolts where ever required ( Approximate no. of pockets will be 12 nos). The rate shall deemed to include for shuttering work for pocket holes. b) Reinforcement shall be measured and paid separately under relevant item. c) The rate quoted for the item shall deemed to include for providing and removal of form work for centering/Shuttering wherever necessary. d) For the purpose of M25 concrete, RMC of reputed agencies like ACC/ Coramandel/ L&T/ Birla/Ultra tech can be used. e) The contractor has to cast the cubes periodically as per the IS Standard and to conduct test for both 7 days & 28 days and to submit test report. Frequency of test shall be as per the IS Standard and the quoted rates shall deemed to include for the cost of testing.	Cu.M	75.00		
6	Providing and constructing concrete solid block mansonry of size 400 x 150 x 200mm / required size in cement mortar 1:4, raking of joints including necessary curing, tools & tackles etc complete all as specified and directed by Engineer in charge. <b>Note:-</b> The rate quoted for the item shall deemed to include for providing and removal of scaffolding/staging whever necessary.	Sq.M	10.00		
7	Providing & laying in position Fe 500 grade TMT bars in reinforcement conforming to relevant IS in various diameters, locations & levels, 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. <b>NOTE: a)</b> The rate quoted 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>b)</b> Reinforcement will be measured based on actual quantity placed in position on standard weight basis, no allowance will be made for rolling margin. <b>c)</b> Only authorized laps, chairs and spacers shall be measured and paid. <b>d )</b> Th contractor shall arrange for testing of TMT bars for physical properties from an authorized agencies as per the relevant IS code. The test reports shall be submitted for our records. <b>e)</b> The TMT bars required shall be procured from the reputed manufacturers confirming to relevant IS specification.	KG	1400.00		

Sl. No	Description	Unit	Qty	Rate/unit in fig. & in words Rs.	Amount (Rs)
8	Providing, erecting and removal of leak proof formwork for beams, RCC wall, slabs (Centring and shuttering including strutting, propping etc) using MS/plywood, conforming to relevant IS with necessary wooden formwork supports, metal propping, MS pipe ties, bracings, staging, applying of chemical releasing agent to MS/plwood surfaces to avoid sticking of cement so as to have a smooth finish at all levels while casting the concrete member of any shape, size and thickness etc., complete all as specified and directed by Engineer-in-charge.	Sq.M	120.00		
9	Rendering/Plastering 15mm thick in Cement Mortar 1:4 on fair faces of brick or concrete surfaces including finishing the surface smooth and even including curing, tools & tackles at all levels and height etc., complete all as specified and directed by Engineer in charge. <b>Note:-</b> The rate quoted for the item shall be deemed to include for providing and removal of scaffolding/staging wherever necessary.	Sq.M	200.00		
10	Returning & filling the available earth in plinth, trenches, foundations or around plinth with approved good quality earth of non swelling type, free from organic materials, consolidating in layers of not more than 200mm including watering, compaction, etc complete all as specified and directed by Engineer in charge. <b>Note:</b> Net consolidated volume shall be measured for payment purposes.	Cu.M	45.00		
11	Removing Existing Door & Supplying and fixing rolling shutters made of 80x1.25mm MS laths, interlocked together through their entire length and jointed at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and out side locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454-part-1 including 1.25mm thick MS top cover for rolling shutters and all surface painted with 2 two coats of synthetic enamel paint of approved colour over a coat of primer, all fitted and fixed including all accessories etc., complete all as specified and directed by Engineer in charge. <b>Note:-</b> clear area of shutter shall be measured for payment. <b>MAKE: STANDARD AUTOMATIC SOLUTION/ AVINAS/ GANDHI AUTOMATIONS</b>	Sq.M	12		
12	Preparing the existing surface of walls by scrapping, sandpapering removing dust & applying 2 coats of Premium Plastic emulsion of approved colour/shade over a coat of primer & 3mm thick full putty of M/s Asian Paints-Royal shyne Emulsion/Berger paints-Silk emulsion etc., complete all as specified and Engineer in charge. <b>Note:</b> The rate is deemed to include for 1) Wastages. 2) Cleaning the surfaces. 3) Scaffolding.	Sq.M	6		
	<b>Total value of work excluding GST (Rs).</b>				
	GST (Rs).				
	<b>Total value of work inclusive of GST (Rs)</b>				

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

Signature of the Contractor with seal