

Tender Ref: 6300029116

DDate : 29.08.2015

ISSUED TO:	Period of contract:	THREE (03) MONTHS
	EMD :	Rs. 1,62,000/-

Sub: Proposed 100Mtrs length service pit, SG track & drain facility in track no.4 of delivery Hangar, BEML Limited Bangalore Complex, Bangalore.

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 flooring/hard standing concrete in any description and in any position, etc; complete all as specified and directed by Engineer in charge. Note: 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.	Cum	145		
2	Earthwork excavation by mechanical means/ manual means in all kinds of soil not exceeding/ exceeding 1.50Mtrs width but excluding hard rock for depths as mentioned below including dressing of sides, dewatering ground water/rain water, compaction etc complete all as specified and directed by Engineer in charge				
	a) Depth up to 1.50 M	Cum	711		
	b) Depth from 1.50M to 3.0M	Cum	145		
3	Providing and laying in position plain cement concrete of mix proportion 1:4:8 using 40 mm down graded granite aggregate, laid in layers not exceeding 15cms thick well compacted for foundation bed and other similar works including curing etc complete all as specified and directed by Engineer in charge	Cum	59		
4	Providing TMT bars (Fe 500 grade) in reinforcement conforming to relevant IS in various diameter for various location & at all levels, cut to length & bent to required shape, binding spirally with MS wire (annealed) of size not less than 0.9mm dia and placing in position including all lead, lift, labour, tools & tackles, plant & machinery etc complete all as specified and directed by Engineer in Charge. Note: a) Reinforcement shall be measured based on actual quantity placed in position on standard weight basis and no allowance shall be made for rolling margin. b) Only authorised laps, chairs & spacers shall be measured & paid.	MT	20		
5	Providing, mixing and laying in position RCC M20 grade concrete of mix proportion 1:1.5:3 using 20mm down graded granite aggregate for footings, raft beams, plinth beams, beams below rails,RCC walls and for all similar works laid with proper compaction using vibrator and necessary curing 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 for the item shall deemed to include for tools & tackles, plant & machinery charges etc complete	Cum	286		

Sl. no	Description	Unit	Qty	Rate/ unit in fig. & in words Rs.	Amount. Rs.
6	Providing & laying in position RCC precast cement concrete drain cover slabs (mix proportion 1:2:4) of required thickness using 20mm down graded granite aggregate and set in CM 1:4 all as specified and directed by Engineer in charge Note:- Note: a) Reinforcement shall be measured and paid separately under relavent item b) The rate quoted for the item shall deemed to include for tools & tackles, plant & machinery charges etc complete c) The rate quoted for the item shall deemed to include for providing and removal of centering/Shuttering.	Cum	3		
7	Providing, erecting and removal of leak proof formwork for RCC beams,walls & similar RCC works (Centring and shuttering including strutting, propping etc) using wooden formwork supports, metal propping, MS pipe ties, bracings, staging, applying of chemical / releasing agent to wood/steel 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.	Sqm	800		
8	Providing 15mm thick plastering in Cement Mortor 1:6 for brick wall/ concrete surfaces, finishing the surface smooth and even using a thin coat of cement paste rendering for service pit side walls, racking joints including hacking the concrete surfaces wherever required and curing etc complete all as specified and directed by Engineer in charge. Note:- The rate quoted for the item shall deemed to include for providing and removal of scaffolding/staging whever necessary.	Sqm	846		
9	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 specficed and directed by Engineer in charge. Note: Net consolidated volume shall be measured for payment purposes	Cum	216		
10	Removing the existing old BG/SG rails from the concrete members which includes cutting, welding and stacking at a place as directed by Engineer in-charge etc complete. Note:- The dismantling of concrete required for removing rails shall be measured and paid under the relavent item.	Kgs	20000		
11	Laying the available rails (52 kg/Mtr) for BG/SG track on RCC beams to the correct line and level all as specified and directed by Engineer in charge. Note:- The quoted rate includes for cutting, welding & levelling of rails . b) The actual length of rails laid shall be measured and paid on standard weight basis per RMT length of rails	Kgs	20000		
12	Supplying, fabricating & welding MS plate over the reinforcement for laying of BG/SG rails, including cutting, welding the MS plates of required size & shape to the steel reinforcement and secured firmly to the correct line and level etc complete all as specified and directed by the Engineer-in-charge. Note:- a) The net area of MS plates shall be measured for the purpose of payment on standard weight basis b) The quoted rate is deemed to include for material, labour, welding machine,welding rods, gas and all consumables required for the work etc.	Kgs	1200		

Sl. no	Description	Unit	Qty	Rate/ unit in fig. & in words Rs.	Amount. Rs.
13	Fabricating, Fixing & welding the available MS plate over the reinforcement for laying of BG/SG rails including cutting & welding the MS plates of required size & shape to the steel reinforcement and securing firmly to the correct line and level etc complete all as specified and directed by the Engineer in charge Note:- a) The net area of MS plates shall be measured for the purpose of payment on standard weight basis b) The quoted rate is deemed to include for labour, welding machine,welding rods, gas and all consumables required for the fabrication work etc.	Kgs	1000		
14	Providing mixing and laying in position 150mm thick Plain cement concrete of mix proportion 1:2:4 for hardstanding/ flooring using 20mm down graded granite aggregate, machine mixed and laid in layers of required thickness, well compacted and finishing the surface even and smooth etc., complete all as specified and directed by Engineer in charge.	Sqm	205		
15	Supplying & fixing in position MS foundation bolts 20mm dia inclusive of threading of required length, cutting, welding, machining including nuts & washers of required size and dia for holding the rails, welding the bolts to the reinforcement to the correct line and level etc complete all as specified and directed by the Engineer-in-charge. Note:- The quoted rate is deemed to be inclusive of bolts,nuts,washers etc.	Kgs	1100		
16	Carting away unwanted and unusable excavated soil, debris outside the site premises to a distance exceeding 5.00Km including transportation, all lead and lift etc complete all as specified and directed by Engineer-in-charge. Note:- measurement shall be made after deducting the filling quantities from excavated quantities.	Cum	786		
17	Preparing the newly plastered concrete wall surfaces and applying two coats of Oil bound distemper of first quality conforming to relevant IS manufactured by M/s Asian paints/ Berger, approved colour, applying subsequent coat after drying of first coat over a coat of putty manufactured by M/s. Birla/JK/Asian and applying a coat of primer and finishing the surface even and smooth etc complete all as specified and directed by Enginner in charge.	Sqm	525		
18	Supplying fabricating and fixing in position MS angle (of required size & thickness) to rails as nosing angle, properly fixed to the correct line and level including cutting, bending to required shape,welding etc complete all as specified and directed by the Engineer in charge.	Kgs	2200		
19	Providing and constructing concrete solid block masonry wall of size 400 x 150 x 200mm / required size set in cement mortar 1:6 for side wall andsteps/similar work including necessary curing, tools & tackles etc complete all as specified and directed by Engineer in charge	Cum	48		
20	Providing and laying soling of 150mm compacted thickness below floor/foundation with approved quality broken boulders or quarried stone 100 to 150mm size laid in layers,well packed to the correct line & level, interstices filled with stone chips, sand or moorum and consolidated including transportation etc complete all as specified and as directed by Engineer in charge.	Sqm	210		
	Note:				

Sl. no	Description	Unit	Qty	Rate/ unit in fig. & in words Rs.	Amount. Rs.
	(1)The rate quoted for all the above items is deemed to include for providing and removal of scaffolding/staging as required for execution of the work under the relevant item				
	(2)Interested bidders/contractors are requested to visit the site and acquaint themselves with the site conditions before submission of their quote/offer for the work.				
	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