

BEML LIMITED BANGALORE

TENDER REF:6300038589

Date: 21.10.2023

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|--|---------------------|-----------|
| ISSUED TO: | Period of contract: | 04 Months |
| | EMD: Rs. | 32,000/- |
| Sub: Providing BG and SG line Extension on track No.4 for towards western side traverser at Bangalore Complex, BEML LIMITED, 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/hardstanding concrete of any description and in any position not otherwise specifically provided etc and stacking of serviceable materials if any 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. Note: The dismantled materials shall be removed immediately from the premises without disturbing the regular production activities . | Cu.M | 20.00 | | |
| 2 | 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. Note: The dismantled materials shall be removed immediately from the premises without disturbing the regular production activities . | Rmt | 50.00 | | |
| 3 | Earthwork excavation by mechanical/ manual means in foundation trenches, pits not exceeding 1.50m in depth in all kinds of soil including getting out the excavated earth, dressing of sides, dewatering ground water/ rain water if any, compaction including disposal of debris/unserviceable surplus earth outside the site premises to a distance not exceeding 5.0KM not objected by local civic authorities including lead ,lift etc,complete all as specified and directed by Engineer in charge. | Cu.M | 65.00 | | |
| 4 | Providing and laying in Position Plain Cement Concrete of mix proportion 1:3:6 using 40mm graded down size granite aggregate, 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 by the Contractor for the item is deemed to include for providing and removal of form work/centering/shuttering wherever necessary. | Cu.M | 10.00 | | |

| Sl. No | Description | Unit | Qty | Rate/unit in fig. & in words Rs. | Amount (Rs) |
|--------|--|------|---------|----------------------------------|-------------|
| 5 | Providing, mixing and laying in position Reinforced Cement Concrete M25 grade of mix proportion 1:1:2, using 20mm graded down size granite aggregate for Beams,etc complete including curing, Vibrating, 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 | 18.00 | | |
| 6 | 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. | 1000.00 | | |
| 7 | Supplying ,fixing in position MS foundation bolts 16mm diameter and minimum 450mm Length inclusive of threading of required length, welding, machining including MS nuts & washer of required size and diameter for holding of rails and welding the bolts to the reinforcement to the correct line and level including neccessary hardware items etc., complete all specified and directed by the Engineer in charge . | Kgs. | 300.00 | | |
| 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 spieficied and directed by Engineer-in-charge. | Sq.m | 50.00 | | |
| 9 | Supplying, Fabricating, hoisting and erecting in position MS Structural steel works for laying of rails using MS Structural steel like channels, plates, angles, cleats, fixing to correct line & level including cutting, welding, bending to required shape, shims & packing pieces will be required for levelling of the work, etc.,complete all as specified and as directed by engineer in charge. Note: The rate quoted by the Contractor for the item is deemed to include for welding machine, welding rods, gas etc. | Kgs. | 800.00 | | |

| Sl. No | Description | Unit | Qty | Rate/unit in fig. & in words Rs. | Amount (Rs) |
|--------|---|------|---------|----------------------------------|-------------|
| 10 | Supplying ,Laying & aligning the new IU Rails on RCC beams of standard weight 52kg/mtr for BG/SG track with correct line and level including cutting, welding etc., complete all as specified & directed by the Engineer in charge. Note:- The actual length of rails shall be measured for the purpose of payment. | Kgs. | 4000.00 | | |
| 11 | 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. Note: Net consolidated volume shall be measured for payment puposes. | Cu.M | 20.00 | | |
| 12 | Providing and laying in Position Plain cement concrete 150mm average thick of mix proportion 1:2:4 using 20mm graded down size granite aggregate, laid in layers for hard standing concrete including finishing the top surface even, well compacted including curing, compacting etc.,complete all as specified and directed by Engineer in charge. Note: The rate quoted by the Contractor for the item is deemed to include for providing and removal of form work/centering/shuttering wherever necessary. | Sq.M | 100.00 | | |
| | 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