

Item No	Description	Unit	Zone-A (Dhaka, Mymensingh)	Zone-B (Chattogram, Sylhet)	Zone-C (Khulna, Barisal, Gopalganj)	Zone-D (Rajshahi, Rangpur)
<b>CHAPTER-04: Excavation, filling &amp; site development and palisading</b>						
Item No	Description of Item	Unit	Unit Price (Taka)	Unit Price (Taka)	Unit Price (Taka)	Unit Price (Taka)
04.1	Earth work in excavation by manual means for the purpose of retrofitting work in new foundation works or around existing columns/ RC walls / load bearing vertical members, keeping safety provision for human and utility services, maintaining restriction for public access & minimizing hazard, in constrained conditions / limited scope of work to utilise full capacity of manpower, removal of excavated soil by head-load / hand-trolley and stacked in a safe place within the campus/ project site area as per directions and acceptance by the Engineer-in-charge.					
04.1.1	Earthwork in excavation up to 1.5 m depth and maximum 10 m lead: in soft clayey soil / loose sand / silt.	cum	Tk. 223.00	Tk. 218.00	Tk. 203.00	Tk. 203.00
04.1.2	Earthwork in excavation up to 1.5 m depth and maximum 10 m lead: in medium stiff clayey soil.	cum	Tk. 307.00	Tk. 301.00	Tk. 280.00	Tk. 280.00
04.1.3	Earthwork in excavation up to 1.5 m depth and maximum 10 m lead: in very stiff (hard) clayey soil/ rubbish etc.	cum	Tk. 434.00	Tk. 426.00	Tk. 396.00	Tk. 396.00
04.1.4	Earthwork in excavation up to 1.5 m depth and maximum 10 m lead: in very soft / saturated / organic clayey soil / soil of semi-liquid state.	cum	Tk. 512.00	Tk. 502.00	Tk. 467.00	Tk. 467.00
04.1.5.P1	Extra rate for each additional 0.5 meter depth exceeding 1.5 meter.	cum	Tk. 48.00	Tk. 47.00	Tk. 44.00	Tk. 44.00
04.1.5.P2	Extra rate for each 1 m additional lead beyond 10 m.	cum	Tk. 7.15	Tk. 7.02	Tk. 6.50	Tk. 6.50
04.2.1	Bailing out of trapped water( due to seepage) from foundation trenches by 1/4 cusec capacity diesel operated water pump including hire charge of pump, fuel, operator, spare parts and maintenance , in constrained conditions / limited scope of work to utilise full capacity of manpower and machineries/ equipment etc. all complete as per directions and acceptance by the Engineer-in-charge.	hour	Tk. 679.00	Tk. 679.00	Tk. 658.00	Tk. 658.00

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04.2.2	Bailing out of water ( due to Rain, flood ) from foundation by 1 cusec diesel operated pump including hire charge of pump, fuel, operator, spares and maintenance, in constrained conditions / limited scope of work to utilise full capacity of manpower and machineries/ equipment etc. all complete as per directions and acceptance by the Engineer-in-charge.	hour	Tk. 849.00	Tk. 843.00	Tk. 819.00	Tk. 819.00
04.2.3	Bailing out of water ( due to Rain, flood ) from foundation by 1 cusec electricity operated pump including hire charge of pump, electric bill, operator, spares and maintenance, in constrained conditions / limited scope of work to utilise full capacity of manpower and machineries/ equipment etc. all complete as per directions and acceptance by the Engineer-in-charge.	hour	Tk. 696.00	Tk. 690.00	Tk. 665.00	Tk. 665.00
04.3.1	Supplying of 75 mm diameter all through straight borrak bamboo posts, shaping the top of the post and driving the same vertically in the ground up to required depth by suitable means in constrained conditions / limited scope of work to utilise full capacity of manpower and machineries/ equipment etc. all complete as per directions and acceptance by the Engineer-in-charge.	meter	Tk. 108.00	Tk. 108.00	Tk. 102.00	Tk. 102.00
04.3.2	Supplying of straight wooden ballah having an average dia- meter not less than 150 mm (without barks) at one third dist-ance from larger end with a minimum end diameter of 100 mm for retaining purpose and driving to a depth as per design and drawing by any suitable method including all arrangement for staging, hoisting & carrying, in constrained conditions / limited scope of work to utilise full capacity of manpower and machineries/ equipment etc. all complete as per directions and acceptance by the Engineer-in-charge.	meter	Tk. 995.00	Tk. 981.00	Tk. 931.00	Tk. 931.00

Handwritten signatures and initials in blue and black ink are present below the table, including names like 'A', 'B', 'C', 'D', 'E', 'F', 'G', 'H', 'I', 'J', 'K', 'L', 'M', 'N', 'O', 'P', 'Q', 'R', 'S', 'T', 'U', 'V', 'W', 'X', 'Y', 'Z' and various illegible signatures.

Item No	Description	Unit	Zone-A (Dhaka, Mymensingh)	Zone-B (Chattogram, Sylhet)	Zone-C (Khulna, Barisal, Gopalganj)	Zone-D (Rajshahi, Rangpur)
04.4.1	Palisading work by supplying of bitumen drum sheet walling tied with 20 BWG G.I. wire, fixing the same with already driven borrak bamboo posts with half split borrak bamboo runners @ 450mm c/c horizontally with iron nails, G.I. wire, in constrained conditions / limited scope of work to utilise full capacity of manpower and machineries/ equipment etc. all complete as per directions and acceptance by the Engineer-in -charge. (rate is excluding the cost of bamboo post).	sqm	Tk. 775.00	Tk. 767.00	Tk. 737.00	Tk. 737.00
04.4.2	Supplying and fitting-fixing horizontal bracing in palisading with half split wooden ballah having an average diameter not less than 150 mm with a minimum end diameter of 100 mm @ 450 mm c/c including supply of iron nails, gazals ( very big nail ), in constrained conditions / limited scope of work to utilise full capacity of manpower and machineries/ equipment etc. all complete as per directions and acceptance by the Engineer- in-charge.	meter	Tk. 249.00	Tk. 246.00	Tk. 238.00	Tk. 238.00
04.5.1	Shore protection work with all through 75 mm diameter straight borrak bamboo as vertical post @ 450 mm c/c and palisading work by supplying of bitumen drum sheet walling tied with 20 BWG G.I. Wire fixing the same with driven borrak bamboo posts with half split borrak bamboo runners @ 450mm c/c horizontally with iron nails, G.I. wire etc. during excavation in foundation trenches up to 1.5 m depth to protect loss due to damage of property, in constrained conditions / limited scope of work to utilise full capacity of manpower and machineries/ equipment etc. all complete all complete as per directions and acceptance by the Engineer-in-charge.	sqm	Tk. 1,172.00	Tk. 1,163.00	Tk. 1,112.00	Tk. 1,112.00

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04.5.2	Shore protection work with wooden ballah having an average diameter not less than 150 mm (without barks) at one third distance from larger end with a minimum end diameter of 100 mm for anchoring and tying and palisading work by supplying of bitumen drum sheet walling tied with 20 BWG G.I. Wire fixing the same with driven borrak bamboo posts with half split borrak bamboo runners @ 450mm c/c horizontally with iron nails, G.I. wire etc. during excavation in foundation trenches beyond 1.5 m depth to protect loss due to damage of property by palisading, in constrained conditions / limited scope of work to utilise full capacity of manpower and machineries/ equipment etc. all complete as per directions and acceptance by the Engineer-in-charge.	sqm	Tk. 1,234.00	Tk. 1,223.00	Tk. 1,173.00	Tk. 1,173.00
04.5.3	Shore/ plinth protection work by execution of brick works (1:6) with 1st class bricks, water curing for 7 days and driving the brick works by successive excavation of the inside soil etc. all complete in constrained conditions / limited scope of work to utilise full capacity of manpower and machineries/ etc. all complete as per directions and acceptance by the Engineer-in-charge. ( RCC driving shoe to be used and to be paid as separate item, the cost for excavation of earth for driving brick works is not included here. )	cum	Tk. 7,448.00	Tk. 7,425.00	Tk. 7,217.00	Tk. 7,121.00
04.6	Earth filling in foundation trenches and plinth in 150 mm layer with earth available within 90 m of the building site to achieve minimum dry density of 95% with optimum moisture content (modified proctor test) including carrying watering, leveling, dressing and compacting to a specified percentage each layer up to finished level, in constrained conditions / limited scope of work to utilise full capacity of manpower and machineries/ equipment etc. all complete as per directions and acceptance by the Engineer-in-charge.	cum	Tk. 371.00	Tk. 364.00	Tk. 339.00	Tk. 339.00

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