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| --- | --- | --- | --- | --- | --- |
| **Abstract cost of estimate for construction of Bata khal regulator 2-Vent (1.50x1.80m) at km. 12.09,Construction of Sub-mergible Embankment at Chandpur Hoar From km. 11.915 to km. 12.230 = 0.315 km &Re-excavation of (A) Diakul Khal from km. 1.710 to km.4.690 = 2.980km. (B) Manick Khali khal from km.0.180 to km.4.655 = 4.475 km, (C) Bamon khal from km. 0.00 to km.2.225 =2.225 km. (D) Gorader Khal from km.0.00 to km.0.340 = 0.340 km. & from km. 1.920 to km 2.380 = 0.460 km, (E) Bata khal from km, 0.000 to km.2.790 = 2.790 km ( Total =13.270 km.) of chandpur Haor sub-project in C/W Haor flood Management and Livelihood Improvement project under Kishoregonj WD Division BWDB Kishoregonj during 2016-17& 2017-2018. Package No. BWDB/Kish/HFMLIP/PW-02.** | | | | | |
| **S.L.No & Code No** | **Description of Items** | **Quantity** | **Unit** | **Rate** | **Amount** |
| 1 | 2 | 3 | 4 | 5 | 6 |
| 1/  04-180 | Site preparation by manually removing all miscellaneous objectionable materials from entire site and removing soil up to 15cm depth including uprooting stumps, jungle learing, leveling dressing etc. complete as per direction of Engineer in charge. | 8270.083 | sqm. | 27.72 | 229246.70 |
| 2/  NSI | Mobilization with construction of inspection Facilities | 1.00 | LS | 500000.00 | 500000.00 |
| 3/  04-150 | Manufacturing and supplying R.C.C. (1:2:4) B.M. Pillars of size 15cmx15cmx75cm, with 40cmx40cmx10cm base having 3 nos. 10mm dia vM.S.bar each way at base, 4 nos. 10mm dia vertical bar and 8 nos. 6mm dia ring, excluding cost of M.S. works for reinforcement but including cost of form works, concreting, plastering at top, finishing surface, curing etc. complete, with inscription of "BWDB", on exposed surface etc. complete as per direction of Engineer in charge. | 4.00 | Each | 641.76 | 2567.04 |
| 4/  04-160 | Fixing in position B.M pillars and kilometer posts each of size 15cmx15cmx75cm with 40cmx40cmx10cm base embedding 45cm below G.L including carrige earth cutting backfilling ramming etc. complete as per direction of E/ch. | 4.00 | Each | 48.76 | 195.04 |
| 5/  04-620-20 | Filling of expansion joints upto a depth of 40 mm with bitumen mixed with coarse sand (FM>=2.5) in concrete works including supply of all materials etc. complete as per specification and direction of Engineer in charge 04-620-20 . 20 mm wide. | 25.84 | m | 69.54 | 1794.13 |
| 6/  12-100 | Installation of pizeometer including supply of 40mm G.I. pipe, brass strainer, socket, labour, by wash boring, lowering, fixing the elevation and providing cover on the top of the well etc. complete as per direction of Engineer in charge. | 6.00 | Each | 2584.22 | 15505.32 |
| 7/  12-310-20 | Bailing out of water with all leads and lifts by manual labour or pump, with all arrangements for protection of ring bund and side slopes of foundation pit against erosion or washout etc. complete actual volume of work will be measured by sounding method before starting the work) as per direction of Engineer in charge.  12-310-20, by pump. | 115200.00 | Cum | 6.13 | 706176.00 |
| 8/  16-310 | Earth work in excavation of foundation trenches in all kinds of soil as per layout plan of foundation excavation with all leads and lifts and placing the spoil earth for constructing the ring bundh/ cofferdam where necessary as per design and specification or disposing it to a safe distance including pushing, levelling, dressing, etc. complete as per direction of Engineer in charge. 16-310-10 . For moving spoil earth upto a distance of 100m from the centre of the pit. | 4958.160 | cum.. | 246.71 | 1223227.65 |
| 9/  16-200 | Extra rate for every additional lift of 1.0m or part thereof beyond the initiallift of 1.5m (30cm neglected) for all kinds of earth work 3 nos lift=3 x10.99=32.970 | 4958.160 | Pltcum | 32.970 | 163470.54 |
| 10/  16-220 | Earth work by manual labour with clayey soil (minimum 30% clay, 0-40% silt and 0-30% sand) in construction of cross bundh/ ring bundh as per design and specification with all leads and lifts, throwing the earth in layers not exceeding 150mm in thickness, including breaking clods, rough dressing, clearing the jungle, removing stumps, dug bailing and 75mm cambering etc. complete as per direction of Engineer in charge. | 100.00 | cum | 142.42 | 14242.00 |
| 11/  44-240-10 | Supplying at site U-shape hot rolled steel sheet pile of different section of Phosphorus=0.04%(Maximum), Sulphur = 0.04% (Maximum), Copper= 0.25% (Minimum), Tensile strength=> 490 N/mm2 , Yield strength =>296 N/mm2, Elongation =15% (Minimum) including all taxes, freights, incidental charges etc. complete as per direction of the Engineer -in- charge. 44-240-10 . U- Shape, hot rolled steel sheet pile: width=400 to 600 mm: height=>85mm, Th.=>8.0mm, wt per sqm. of pile wall=> 88.0 kg/m2 , Section modulus per one meter of pile width => 529 cm3/m | 10.401 | m.ton | 145120.530 | 1509398.63 |
| 12/  72-180 | Painting of steel sheet piles 2coats of bitumen paint including preparation of surface with sand paper iron brush etc. including the cost of all materials and labour etc. complete as per direction of E/ch. | 399.84 | Sqm | 293.33 | 117285.07 |
| 13/  44-270-20 | Driving steel sheet piles of various sections and weights of any type of soil, by monkey hammer including handling and placing in position, staging and supplying of all equipments like monkey hammer, pully, rope, bamboo, bullah etc. including correcting leaning beyond tolerance & other defects and any other incidental cost etc. complete (measurement will be taken on projected width x height) as per direction of Engineer in charge. 44-270-20 . U-type or any other type : Upto 4.50 m depth.. | 118.20 | sqm. | 1145.88 | 135443.02 |
| 14/  16-560-10 | Shoring for slope protection of foundation trench, canal, embankment, road, pond etc. as per design slopes, grades including removal of spoils to a safe distance as per direction of Engineer in charge. 16-560-10 . By bamboo post of 6.0m length, 60mm to 80mm dia, 25 cm c/c and 2.0m drive with diagonally woven tarza walling and average 70mm dia half split  bamboo batten @ 2.0m c/c fixed with nails. | 217.360 | sqm. | 646.83 | 140594.97 |
| 15/  40-650-20 | Supplying and laying sand as filter layers as per specific size ranges and gradation including preparation of surface, compacting in layer etc. complete with supply of all materials and as per direction of Engineer in charge.  40-650-20 . FM : 1.5 to 2.0 | 7.255 | Cum | 1575.84 | 11432.72 |
| 16/  40-610 | Supplying and laying dry 1st class or pick jhama chips as filter in two layers (top and bottom) as per specific size, range and gradation, including breaking chips, grading, reparation of surface, compacting each layer etc. complete with supply of all materials and as per direction of Engineer in charge: |  |  |  |  |
| 16(a)  40-610-30 | Well graded between 20mm to 5mm size. | 4.815 | Cum | 4076.09 | 19626.37 |
| 16(b)  40-610-20 | Well graded between 40mm to 20 mm size. | 2.395 | Cum | 3730.47 | 8934.48 |
| 17/  28-100-20 | Cement concrete work in leanest mix. 1:4:8, with sand of FM>=1.5, in foundation or floor, including breaking, screening, grading and washing aggregates with clear water, mixing, laying in position, consolidation to levels, curing, including supply of all materials, excluding the cost of formworks etc. complete as per direction of Engineer in charge. 28-100-20 . With 25mm down graded s tone chips. | 1.391 | Cum | 10601.19 | 14746.26 |
| 18/  28-120-20 | Cement concrete work in leanest mix. 1:3:6 with sand of FM>=1.5, in foundation or floor including breaking, screening, grading and washing aggregates with clear water, mixing, laying in position, consolidation to levels, curing, including supply of all materials, excluding the cost of formworks etc. complete as per direction of Engineer in charge. With 25mm down graded stone chips. | 36.337 | Cum | 10954.48 | 398052.94 |
| 19/  36-150 | Formwork for centering and water tight shuttering as per drawing with 14 BWG M.S. sheet, fitted and fixed with 40mmx40mmx6mm M.S. angle frame and 25mmx6mm F.I. bar stiffener, with necessary fabrication, welding, making the forms including fitting, fixing of steel forms with necessary ties, battens, struts, nuts & bolts, props etc. as per desired shape and size including levelling and removing the forms after specified period including the cost of all materials as per direction of Engineer in charge. |  |  |  |  |
| 19(a)  36-150-10 | Vertical and inclined walls columns piers with 60-80mm dia barrack bamboo props. | 601.27 | Sqm | 909.69 | 546965.67 |
| 19(b)  36-150-30 | Deck slab, operating deck slab, top slab of barrel above 3.5m upto 6.5m height with 50mm dia GI pipe props. | 22.50 | Sqm | 1326.16 | 29838.60 |
| 19(c)  36-150-60 | Footing, footing beams, grade beams, foundation slab with 60-80mm dia barrack bamboo props. | 207.37 | Sqm | 735.35 | 152488.79 |
| 20/  76-630-10 | Supply and fitting and fixing 23cm wide P.V.C water stops having minimum strength of 13.80 N/mm² at 225% kepping the water stop in position etc. complete as per design, specification and direction of Engineer in charge. 76-630-10 . 3 bulb type. | 17.300 | m | 1133.75 | 19613.88 |
| 21/  76-120-10 | M.S. Work for reinforcement with deformed M.S. bar, fy=414 N/mm², (made from billet) in RCC works, including local handling, cutting, forging, bending, cleaning and fabrication with supply of deformed M.S. bar in different sizes and binding with 22 to 18 gages G.I. wire etc. complete including the cost of all materials as per direction of Engineer in charge. 76-120-10, 8mm dia to 30mm dia | 20279.849 | Kg | 77.34 | 1568443.52 |
| 22/  76-115-10 | M.S Work for reinforcement with Standard deformed bar fy=276 N/mm^2 in RCC works including local handling, cutting, forging,bending,cleaning and fabrication with supply of deformed M.S. bar in different sizes and bending with 22 to 18 gages G.I. wire etc. complete including the cost of all materials as per direction of Engineer in charge. 76-115-10 6mm dia | 10.560 | Kg | 74.37 | 785.35 |
| 23/  28-200-10 | Reinforced cement concrete work in leanest mix. 1:1.5:3, with 20mm down graded coarse aggregates and sand of FM>2.0 to FM<=2.5, to attain a minimum 28 day cylinder strength of 22.0 N/mm², including breaking, screening, grading, washing aggregates with clean water, mixing, laying in forms, consolidation to levels, curing, including supply of all materials, excluding cost of M.S. work for reinforcements and formworks etc. complete and as per direction of Engineer in charge. 28-200-10 . with stone chips | 241.050 | Cum | 11674.49 | 2814135.81 |
| 24/  76-170 | M.S. Work in plates, angles, channels, flat bars, Tees etc. including fabricating, machining, cutting, bending, welding, forging, drilling, revetting, embedding anchor bars, staging and fitting, fixing, local handling etc. comlpete with energy consumption and supply of labours including the cost of materials as per design, specification and direction of Engineer in charge. | 1040.247 | Kg | 144.42 | 150232.47 |
| 25/  04-620-20 | Filling of expansion joints upto a depth of 40 mm with bitumen mixed with coarse sand (FM>=2.5) in concrete works including supply of all materials etc. complete as per specification and direction of Engineer in charge.  04-620-20 mm wide | 24.800 | m | 69.54 | 1724.59 |
| 26/  80-260-10 | Supplying, fitting and fixing of the different dia G.I. water distribution pipe line, with all special fittings such as bends, elbows, sockets, reducing sockets, tees, unions etc including cutting trench up to an average depth of 0.90m, maintaining proper level, cutting pipes where necessary, making threads etc. all complete, as per direction of Engineer in charge: 80-260-10, 40mm dia G.I. pipe line | 6.900 | m | 297.87 | 2055.30 |
| 27/  44-310 | Supplying and placing 20mm thick hessian cloth impregnated with bitumen in expansion joints or on top of sheet piles as per specification and direction of Engineer in charge. | 29.550 | Sqm | 461.80 | 13646.19 |
| 28/  40-140 | Manufacturing and supplying C.C. blocks in leanest mix. 1:3:6, with cement, sand (FM>=1.5) and Stone Chips (40mm down graded), to attain a minimum 28 days cylinder strength of 9.0 N/mm² including grading, washing stone chips, mixing, laying in forms, consolidation, curing for at least 21 days, including preparation of platform, shuttering and stacking in measurable stacks etc complete including supply of all materials (steel shutter to be used) as per direction of Engineer in charge. |  |  |  | 0.00 |
| 40-140-50 | block size 30cmx30cmx30cm. | 6374.00 | Each | 317.01 | 2020621.74 |
| 29/  40-220-10 | Labour charge for protective works in laying CC blocks of different sizes including preparation of base, watering and ramming of base etc. complete as per direction of Engineer in charge. 40-220-10 Within 200 m. | 172.098 | Cum | 1145.88 | 197203.66 |
| 30/  40-610-30 | Supplying and laying dry 1st class or pick jhama chips as filter in two layers (top and bottom) as per specific size, range and gradation, including breaking chips, grading, preparation of surface, compacting each layer etc. complete with supply of all materials and as per direction of Engineer in charge: 40-610-30,Well graded between 20mm to 5mm size. | 57.967 | Cum | 4076.09 | 236278.71 |
| 31/  16-520-20 | Supplying and filling sand in foundation of hydraulic structures, buildings and in protective works with selected sand, in 150mm thick layer, including levelling, dressing, ramming, watering etc. complete (compacted to 50% relative density by manual labour using mallet/ vibro compactor) as per direction of Engineer in charge.  16-520-20 sand of FM>=1.50 | 43.475 | Cum | 1420.06 | 61737.11 |
| 32/  36-370 | Formwork as per drawing in expansion, contraction and construction joints with minimum 25mm thick wooden plank with necessary adjustments for accommodating reinforcing/ dowel bars, water stops etc. including necessary ties, battens, struts, props etc. covering the surface with 28 BWG plain GI sheet as required for RCC works and removing the formworks after specified period etc. complete including the cost of all materials as per direction of Engineer in charge. | 45.360 | Sqm | 756.03 | 34293.52 |
| 33/  16-540 | Back filling in hydraulic structures including all leads and lifts in 150mm layer including watering, ramming, compacting to 30% relative density etc. complete by compactor or any other suitable method as per direction of Engineer in charge |  |  |  |  |
| 16-540-20 | Sand of FM>=0.80 | 1228.894 | Cum | 757.75 | 931194.43 |
| 34/  16-130 | Earth work by manual labour in all kinds of soil in excavation or re excavation of channels with the initial lead of 30m and lift of 1.5m including leveling, dressing and throwing the spoils to profile with breaking clods, rough dressing, clearing jungles including cutting trees up to 200mm girth, dug bailing etc. complete as per direction of Engineer in charge. | 3792.597 | Cum | 142.47 | 540331.29 |
| 35/  16-270 | Earth work by manual labour with clayey soil (minimum 30% clay, 0-40% silt and 0-30% sand) for closing breach or channel, with all leads and lifts within the channel width including profiling, clod breaking, ramming etc. complete as per specification and direction of Engineer in charge. |  |  |  |  |
| 16-270-20 | Up to 45m width. | 1665.337 | Cum | 149.88 | 249600.71 |
| 36/  04-280 | Constructing at site, cement mortar gauge on masonry wall, including engraving in meter, decimeter & centimeter, painting and figuring with black and red water proof paint, etc. Complete as per direction of Engineer in charge. |  |  |  | 0.00 |
| 04-280-20 | 100mm x 25mm | 4.00 | m | 53.11 | 212.44 |
| 37/  68-130 | Supplying pressure treated wooden fall boards/stop logs of different sizes (not less than 15cm in depth) of sal, sundari, garjan, shishu or equivalent for regulator/ sluices, including fixing in position with eye hook etc. complete as per direction of Engineer in charge. | 0.309 | Cum | 60966.40 | 18838.62 |
| 38/  16-110-10 | Earth work by manual labour in constructing/ re sectioning of embankment/ canal bank/ road etc. with clayey soil(minimum 30% clay, 0-40% silt and 0-30% sand) within the initial lead of 30m, and all lifts including throwing the spoils to profiles in layers not exceeding 150mm in thickness, clod breaking upto a maximum size of 100mm, benching the side slopes, stripping/ ploughing the base of embankment and borrow pit area, dug bailing, cutting trees up to 200mm girth, with uprooting stumps, clearing jungles, bailing out water, rough dressing and 150mm cambering at the centre of the crest etc. Complete as per specification and direction of Engineer in charge.  16-110-10, 0 to 3 m height. | 3357.900 | Cum | 153.58 | 515706.28 |
| 39/  16-240 | Earth work by manual labour, in all kinds of soil in removing the cross bundh/ ring bundh, including all leads and lifts complete and placing the spoils to a safe distance, (minimum 15m apart from the bank) as per direction of Engineer in charge | 4128.227 | Cum | 142.47 | 588148.50 |
| 40/  76-240-40 | Manufacturing & Supplying of M.S. Vertical Lift Gate shutter of 8mm thick M.S. skin plate and stiffener with minimum 75mmx75mmx10mm M.S. angle as frame, horizontal & vertical beam, 75mmx25mmx12mm P-type rubber seal, fixed with 10mm dia x 63.5mm M.S. counter shank bolts with nuts and 40mmx10mm M.S. ... pin and washer as per approved design including the cost of all materials of proper grade & brand new with a prime coat of redoxide where necessary as per specification and direction of Engineer in charge. 76-240-40 Size 1.95m x 1.65m. | 2 | Each | 96799.63 | 193599.26 |
| 41/  76-260-20 | Labour charge for fitting and fixing of M.S. vertical lift gate/flap gate shutters of different size including making holes in concrete for hooking arrangements with supply of necessary materials, tools and other accessories required for fitting the same to regulator/sluice and mending the damages with CC (1:2:4), removing the spoils etc. Complete including the cost of all materials as per direction of Engineer in charge. Size 1.95m x 1.35m or 1.95m x 1.65m | 2 | Each | 9991.91 | 19983.82 |
| 42/  76-190 | Manufacturing, supplying and Installation of Pedestal type lifting device for slide gate with 63mm dia threaded steel shaft, 146mm outer dia bronze nut, thrust bearing, steel bevel gear etc. as per approved design including supply of all components, labours with a prime coat of re doxide where necessary etc. complete including the cost of all materials as per specification and direction of Engineer in charge. | 2 | Each | 84135.85 | 168271.70 |
| 43/  NSI | Part time employment of environmental inspector for Implementation and reporting on environmental management plan provision for first aid box and medical assistant as per specification and direction of engineer in charge. | 1 | Each | 100000.00 | 100000.00 |
|  |  |  | **Sub Total Tk=** | | **16387890.83** |
| 44/  16-100 | **Part-B Submergible Embankment**  Erection of bamboo profile with full bamboo posts and pegs not less than 60mm in diameter and coir strings etc. complete as per direction of Engineer in charge. | 7.00 | Each | 290.48 | 2,033.36 |
| 45/  04-180 | Site preparation by manually removing all miscellaneous objectional materials from entire site and removing soil upto 15cm depth including uprooting stumps, jungle clearing, levelling dressing etc. complete as per direction of Engineer in charge. | 2,205.00 | Sqm | 27.72 | 61,122.60 |
| 46/  16-650-20 | Earth work by Mechanical Excavator (Long Boon) in constructing/ re sectioning of embankment/canal bank/ road etc. compacted to 85%/90% maximum dry density at optimum moisture content, with reference to laboratory density test AAHSTO modified hammer, with clayey soil(minm 30% clay, 0-40% silt, 0-30% sand) within the initial lead of 30m and all lifts including throwing the spoils to profiles in layers not exceeding 230mm in thickness with clod breaking to a maximum size of 100mm, benching the side slopes, removing roots and stumps of trees of girth upto 200mm from the ground, stripping/ploughing the base of embankment and borrow pit area, dug bailing, rough dressing including 150mm cambering at the centre of crest etc. complete, including maintenance of the same for 6 months after completion, (compaction will be done by the contractor with approved equipment, including all ancillary charges for compaction and testing) as per direction of Engineer in charge.  16-650-20 Embk. by Mech. Equipment; ht: 4 to 6m & above; 85% comp. | 885.90 | Cum | 145.85 | 129,208.52 |
| 47/  16-410-10 | Earth work by carried earth (by truck/boat or any other means) supplied at contractor's own cost (including royalty) in constructing/ re sectioning of the embankment/ canal bank/ road etc. compacted to 85%/90% maximum dry .... of girth upto 200mm, stripping/ ploughing the base of embankment and borrow pit area, dug bailing, clearing jungles, bail out of water, rough dressing including 150mm cambering at the centre of crest with all leads and lifts complete (compaction will be done by the contractor with approved equipment including all ancillary charges for compaction and testing) as per direction of Engineer in charge. 16-410-10 300m to 1.00 km.(85% compaction) | 1,181.200 | Cum | 346.28 | 409,025.94 |
| 48/  16-120-10 | Earth work by manual labour in constructing/ re sectioning of embankment/ canal bank/ road etc. compacted to 85%/90% maximum dry density at optimum moisture content, with reference to laboratory density test AAHSTO modified hammer, with clayey soil(minm 30% clay, 0-40% silt, 0-30% sand) within the initial lead of 30m and all lifts including throwing the spoils to profiles in layers not exceeding 230mm in thickness with clod breaking to a maximum size of 100mm, benching the side slopes, removing roots and stumps of trees of girth up to 200mm from the ground, stripping/ ploughing the base of embankment and borrow pit area, dug bailing, bail out of water, rough dressing including 150mm cambering at the centre of crest etc. complete, including maintenance of the same for 6 months after completion, (compaction will be done by the contractor with approved equipment, including all ancillary charges for compaction and testing) as per direction of Engineer in charge. 16-120-10 0 m to 3 m height with 85% compaction | 885.900 | Cum | 182.93 | 162,057.69 |
| 49/  16-190 | Extra rate for every additional lead of 15m or part thereof beyond the initial lead of 30m upto a maximum of 19 leads (3m neglected) for all kinds of 3 nos lead=3x14.57=43.710 earth work. | 885.900 | PldCum | 43.71 | 38,722.69 |
| 50/  48-100 | Fine dressing and close turfing of the slopes and the crest of embankment with 75mm thick, good quality durba or charkanta sods of size 200mm x 200mm, with all leads and lifts, including ramming, watering until the turf grows properly, maintaining etc. complete (measurement will be given onwell grown grass only). as per direction of Engineer in charge. | 3,395.700 | Sqm | 26.17 | 88,865.47 |
| 51/  48-130 | Biological protection of bare earth surface by Dholkalmi with minimum 50cm long sapling, planting @ not more than 30 cm apart including supplying, sizing, taping and nursing etc. complete as per direction of the Engineer in charge. | 1,260.000 | m | 4.47 | 5,632.20 |
| 52/  56-100 | Earth work in box cutting up to 1.00 m depth, in all kinds of soil with all leads, removing the spoils.. including levelling and dressing, maintaining required cambering etc. complete, as per direction of Engineer in charge. | 225.000 | Cum | 135.05 | 30,386.25 |
| 53/  56-110 | Construction of improved road sub-grade of sand (FM>=0.8) in maximum 150mm thick layer including dressing, levelling, ramming, watering, cambering and compacting to attain minimum CBR-8% by manual labour using mallet/ vibro compactor including cost of all materials etc. complete as per design, drawing and direction of Engineer in charge (payment shall be made on compacted volume). | 45.000 | Cum | 733.12 | 32,990.40 |
| 54/  2-8-1/R&H | Construction of road sub-grade of sand (FM>=0.8) in maximum 150mm thick layer including dressing, levelling, ramming, watering, cambering and compacting to attain minimum CBR-8% by manual labour using mallet/ vibro compactor including cost of all materials etc. omplete as per design, drawing and direction of Engineer in charge (payment shall be made on compacted volume). | 300.000 | sqm | 69.00 | 20,700.00 |
| 55/ Analysis Rate | Manufacturing and supplying C.C. blocks in leanest mix. 1:2:4. withcement, sand (FM>=1.5) and Stone Chips (40mm down graded) to attain a28 days cylinder strength of 15 N/mm² including grading, washing stonechips, mixing, laying in forms, consolidation, curing for at least 21 days, including preparation of platform, shuttering and stacking in measurable stacks etc. complete including supply of all materials (steel shutter to be used) as per direction of Engineer in charge. 30cm x 30cm x 30cm | 2,850.000 | Nos | 320.79 | 914,251.50 |
| 56/ Analysis Rate | Manufacturing and supplying C.C. blocks in leanest mix. 1:2:4 with cement, sand (FM>=1.5) and Stone Chips (40mm down graded) to attain a28 days cylinder strength of 15 N/mm² including grading, washing stone chips, mixing, laying in forms, consolidation, curing for at least 21 days, including preparation of platform, shuttering and stacking in measurable stacks etc. complete including supply of all materials (steel shutter to be used) as per direction of Engineer in charge. 100cm x 65cm x 12.5cm (Av:) | 190.000 | Nos | 748.48 | 142,211.20 |
| 57/  24-310-10 | Flush pointing to brick works, in sand cement mortar (sand of FM>=1.3), including scaffolding, curing, raking out joints, clearing the surface etc. complete in all floors including the cost of all materials and as per direction of Engineer in charge. proportion 1:2 | 280.000 | Sqm | 162.47 | 45,491.60 |
| 58/  40-220-10 | Labour charge for protective works in laying CC blocks of different sizes including preparation of base, watering and ramming of base etc. complete as per direction of Engineer in charge. within 200m. | 92.530 | Cum | 1145.88 | 106,028.28 |
|  |  |  | **Sub** | **Total tk =** | **2,188,727.682** |
|  | **Re-excavation of Khal (Part-C** |  |  |  |  |
| 59/  16-100 | Erection of bamboo profile with full bamboo posts and pegs not less than 60mm in diameter and coir strings etc. complete as per direction of Engineer in charge. | 270.00 | Each | 290.48 | 78,429.60 |
| 60/  16-220 | Earth work by manual labour with clayey soil (minimum 30% clay, 0-40% silt and 0-30% sand) in construction of cross bundh/ ring bundh as per design and specification with all leads and lifts, throwing the earth in layers not exceeding 150mm in thickness, including breaking clods, rough dressing, clearing the jungle, removing stumps, dug bailing and 75mm cambering etc. complete as per direction of Engineer in charge. | 2,240.131 | Cum | 142.42 | 319,039.46 |
| 61/  12-310-20 | Bailing out of water with all leads and lifts by manual labour or pump, with all arrangements for protection of ring bund and side slopes of foundation pit against erosion or washout etc. complete actual volume of work will be measured by sounding method before starting the work) as per direction of Engineer in charge. 12-310-20: by pump | 315,150.75 | Cum | 6.13 | 1,931,874.10 |
| 62/  16-600-10 | Earth work by Mechanical Excavator ( Long Boom ) in all kinds of soil in excavation/re-excavation of Channel/Canal/khal etc. Including disposal of spoil-soil upto 30m away from the point of excavation with rough dressing and leveling etc. Complete as per direction of Engineer in charge. | 158,827.836 | Cum | 96.97 | 15,401,535.26 |
| 63/  16-130 | Earth work by manual labour in all kinds of soil in excavation or reexcavation of channels with the initial lead of 30m and lift of 1.5m including levelling, dressing and throwing the spoils to profile with breaking clods, rough dressing, clearing jungles including cutting trees upto 200mm girth, dug bailing etc. complete as per direction of Engineer in charge. | 52,842.622 | Cum | 142.47 | 7,528,488.36 |
| 64/  16-240 | Earth work by manual labour, in all kinds of soil in removing the cross bundh/ ring bundh, including all leads and lifts complete and placing the spoils to a safe distance, (minimun 15m apart from the bank) as per direction of Engineer in charge. | 2,240.131 | Cum | 142.470 | 319,151.46 |
| 65/  16-190 | Extra rate for every additional lead of 15m or part thereof beyond the initial lead of 30m upto a maximum of 19 leads (3m neglected) for all kinds of earth work. Lead | 211,770.488 | Cum | 14.570 | 3,085,496.01 |
| 66/  NSI | Video documents for every sequence of work for every Item all Through Packages | 1.000 | L.S | 100000.000 | 100,000.00 |
|  |  |  | Sub Total Tk = | | 28,764,014.242 |
|  |  |  | Gross Total Tk = | | 47,340,632.758 |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  | (MD.Alauddin) | |
|  |  |  |  | Sectional officer | |
|  |  |  |  | Bhairab WD section-01 | |
|  |  |  |  | BWDB.Kishoregonj | |
|  |  |  |  |  |  |

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| The estimate has been prepared on the basis of the approved design/drawing & examined on the basis of mymensing O&M circke schedule of rates effective for the year 2016-2017.The items provided are fully appropriate & essentially required. The varified edtimated amonting of tk.. 47,340,632.758 (Taka Four crore Seventy three lac Forty thousend Six hundred thirty two & poisa Seven five Eight) only is recommended for sanction. | | | | | |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  | (Mohammad Aktaruzzaman) | | |
|  |  |  | Sub- Divisional Engineer | | |
|  |  |  | Bhairab WD Sub division | | |
|  |  |  | BWDB. Kishoregonj | | |
| The estimate has been verified carefully with & verified amount of tk . 47,340,632.758 (Taka Four crore Seventy three lac Forty thousand Six hundred thirty two & paisa Seven five Eight)only is recommended for sanction. | | | | | |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  | (Md.Shafiqul islam) | | |
|  |  |  | Executive Engineer) | | |
|  |  |  | Kishoregonj WD Division | | |
|  |  |  | BWDB. Kishoregonj. | | |