

Individual Report

Tender/Proposal Detail			
Tender/Proposal ID :	233923	Invitation Reference No. :	464 date- 09/10/2018
Closing Date and Time :	15-Nov-2018 13:00	Opening Date and Time :	15-Nov-2018 13:00
Procuring Entity :	Habiganj O&M Division		
Brief :	Re-sectioning of Submersible embankment along the left bank of Bashira river in between km 2.420 to km 9.760 = 7.00km , Construction of New Embankment along the left bank of Bitangal khal in between km 10.00 to km 17.00=7.00km, Re-excavation of Bashira River in between km 0.000 to 20.00= 17.400km , Re-excavation of Matikata khal from km 0.000 to km 2.295 =2295.00m, Construction of 2-Vent Regulator-1 no, and Construction of 4.00m Wide Causeway -1 no in C/W "Haor Flood Management and Livelihood Improvement Project (BWDB Part)" in Upazila- Baniyachong & Ajmirigang, District- Habiganj under Habiganj O&M Division, BWDB, Habiganj during the year 2018-19& 2019-20. Package No BWDB/Hobi/HFMLIP/PW-01		

Package No	Package Description
BWDB/Hobi/HFMLIP/PW-01	Re-sectioning of Submersible embankment along the left bank of Bashira river in between km 2.420 to km 9.760 7.00km Construction of New Embankment along the left bank of Bitangal khal in between km 10.00 to km 17.007.00km Re-excavation of Bashira River in between km 0.000 to 20.00 17.400km Re-excavation of Matikata khal from km 0.000 to km 2.295 2.295km Construction of 2-Vent Regulator-1 no and Construction of 4.00m Wide Causeway -1 no under Bashira River sub-project in C/W Haor Flood Management and Livelihood Improvement Project BWDB Part in Upazila- Baniyachong & Ajmirigang District- Habiganj under Habiganj O&M Division BWDB Habiganj during the year 2018-19 & 2019-20. Package No BWDB/Hobi/ HFMLIP/PW-01

NOONA-HB (JV.) (JVCA)
Bill of Quantities: Part D-2

Bill of Quantities									
Item no.	Group	Item Code (if any)	Description of Item	Measurement Unit	Quantity	Unit Price In figures (BDT)	Unit Price In Words (BDT)	Total Price In Figures (BDT)	Total Price In Words (BDT)
D.16	16-560	16-560-30	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. By local hard wood ballah post of 6.0m length, 120mm to 1.0m c/c and 2.0m drive with 6.0m long bamboo of average 75mm dia @ 1.0m c/c and 2.0m drive with drim sheet walling and average	sqm	255.250	916.466	Nine Hundred and Sixteen point Four Six Six	233927.947	Two Lakh Thirty-Three Thousand Nine Hundred and Twenty-Seven point Nine Four Seven

			70mm dia half split bamboo batten @ 2.0m c/c fixed with nails						
D.17	28-100	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. With 25mm down graded stone chips	cum	16.230	10386.867	Ten Thousand Three Hundred and Eighty-Six point Eight Six Seven	168578.851	One Lakh Sixty-Eight Thousand Five Hundred and Seventy-Eight point Eight Five One
D.18	28-120	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.	cum	16.340	10815.481	Ten Thousand Eight Hundred and Fifteen point Four Eight One	176724.960	One Lakh Seventy-Six Thousand Seven Hundred and Twenty-Four point Nine Six
D.19	28-200	28-200-10	Reinforced cement concrete works 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 days cylinder strength of 22.0 N/mm ² , including breaking, screening, grading, washing aggregates with clear water, mixing, laying in forms, consolidation to levels, curing, including supply of all materials excluding cost of M.S. work for	cum	187.030	12410.966	Twelve Thousand Four Hundred and Ten point Nine Six Six	2321222.971	Twenty-Three Lakh Twenty-One Thousand Two Hundred and Twenty-Two point Nine Seven One

			reinforcements and formworks etc. complete and as per direction of Engineer in charge. With stone chips						
D.20(a)	36-150	36-150-10	Form work for centering & water tight shuttering as per drawing with 14 BWG M.S. sheet, fitted and fixed with 40mm x 40mm x 6mm M.S. angle frame and 25mm x 6mm 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 leveling and removing the forms after specified period including the cost of all materials as per direction of Engineer in charge. Vertical and inclined walls, columns, piers with 60-80mm dia barrack bamboo props.	sqm	697.310	1000.788	One Thousand point Seven Eight Eight	697859.480	Six Lakh Ninety-Seven Thousand Eight Hundred and Fifty-Nine point Four Eight
D.20(b)	36-150	36-150-60	Form work for centering & water tight shuttering as per drawing with 14 BWG M.S. sheet, fitted and fixed with 40mm x 40mm x 6mm M.S. angle frame and 25mm x 6mm 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 leveling and removing the forms after specified period including the cost of all materials as per direction of Engineer in charge. Footing, Footing beams, grade beams., foundation slab with 60-80mm dia barrack bamboo	sqm	78.110	808.456	Eight Hundred and Eight point Four Five Six	63148.498	Sixty-Three Thousand One Hundred and Forty-Eight point Four Nine Eight

			props.						
D.21(a)	40-140	40-140-40	<p>"Manufacturing and supplying C.C. blocks in leanest mix. 1:3:6, with each 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."</p> <p>block size 40cmx40cmx20cm.</p>	nos	1530.000	377.341	Three Hundred and Seventy-Seven point Three Four One	577331.730	Five Lakh Seventy-Seven Thousand Three Hundred and Thirty-One point Seven Three
D.21(b)	40-140	40-140-50	<p>"Manufacturing and supplying C.C. blocks in leanest mix. 1:3:6, with each 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."</p> <p>block size 30cmx30cmx30cm.</p>	nos	5383.000	313.873	Three Hundred and Thirteen point Eight Seven Three	1689578.359	Sixteen Lakh Eighty-Nine Thousand Five Hundred and Seventy-Eight point Three Five Nine
D.22	40-220	40-220-10	<p>Labour charge for protective works in laying CC Block of different sizes including preparation of base, watering and ramming of base etc. complete as per direction of Engineer</p>	cum	194.300	1288.171	One Thousand Two Hundred and Eighty-Eight point One	250291.625	Two Lakh Fifty Thousand Two Hundred and Ninety-One point

			direction of Engineer in charge. Within 200m.				Seven One		Six Two Five
D.23	40- 600	40- 600- 40	Supplying and placing non-woven needle punched type geotextile fabric (100% Polypropylene Fabric, unit weight : 855 Kg/m3 to 946 Kg/m3) as filter materials of elongation at maximum force machine direction (MD) $\geq 60\%$ and $\leq 100\%$, elongation at maximum force (CMD) $\geq 40\%$ and $\leq 100\%$,horizontal and vertical permeability (under 2 kn/m ² pressure) $\geq 2 \times 10^{-3}$ m/sec. for effective erosion protection in hydraulic structures/river training works including local handling, placing in position, providing machine seamed joints (with 100% polypropylene or nylon thread) or 35cm lap in dry condition or minimum 100cm lap under water including protecting the geotextile material from UV ray and from any other damages including supply of all materials, labours, equipment's etc. complete as per direction of Engineer in charge. (Geotextile delivered at site should be certified by ISO and clearly labelled with brand name and grade printed at regular intervals across the body of the fabric). Mass ≥ 400 gm/m ² , thickness(Under 2 kpa pressure) ≥ 3.00 mm, EoS ≤ 0.08 mm, strip tensile strength ≥ 23 kn/m, grab strength ≥ 1500 N, CBR puncture resistance ≥ 3800 N.	sqm	96.800	222.838	Two Hundred and Twenty-Two point Eight Three Eight	21570.718	Twenty-One Thousand Five Hundred and Seventy point Seven One Eight
			Supply and laying dry 1st. class or pick						

D.24(a)	40-610	40-610-20	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. Well graded between 40mm to 20mm size.	cum	71.750	4049.441	Four Thousand AND Forty-Nine point Four One	290547.392	Two Lakh Ninety Thousand Five Hundred and Forty-Seven point Three Nine Two
D.24(b)	40-610	40-610-30	Supply 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. Well graded between 20mm to 5mm size.(Combination of sub-item 10 & 30 or 20 & 30 shall be used)	cum	71.750	4440.515	Four Thousand Four Hundred and Forty point Five One Five	318606.951	Three Lakh Eighteen Thousand Six Hundred and Six point Nine Five One
D.25	40-650	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. FM 1.5 to 2.0	cum	107.630	1212.811	One Thousand Two Hundred and Twelve point Eight One One	130534.848	One Lakh Thirty Thousand Five Hundred and Thirty-Four point Eight Four Eight
D.26	44-220	44-220-10	Supplying and laying single layer polyphone sheet in floor below cement concrete, RCC slab, on walls etc. complete in all respect as per direction of engineer in charge. Weighing minimum 1.0 kg per 6.50 sqm	sqm	216.420	30.429	Thirty point Four Two Nine	6585.444	Six Thousand Five Hundred and Eighty-Five point Four Four Four
			"Supplying at site U-shape hot rolled steel sheet pile of different section of Phosphorus= 0.04%						

D.27	44-240	44-240-30	(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. " "U-shape, hot- rolled steel sheet pile width= 400mm to 600mm: height=> m.ton 100mm, Th.=> 10.5: wt. per sqm of pile wall =>120 kg/m2: sectional modulus per one meter of pile wall width => 874 cm3/m. "	m.ton	16.420	103872.877	One Lakh Three Thousand Eight Hundred and Seventy-Two point Eight Seven Seven	1705592.640	Seventeen Lakh Five Thousand Five Hundred and Ninety-Two point Six Four
D.28	44-270	44-270-20	Driving steel sheet piles of various sections and weights of any type of soil, sqm 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. U-type or any other type : Upto 4.50 m depth.	sqm	123.120	1481.035	One Thousand Four Hundred and Eighty-One point Zero Three Five	182345.029	One Lakh Eighty-Two Thousand Three Hundred and Forty-Five point Zero Two Nine
D.29	44-320	44-320-10	Cutting of steel sheet piles to design length and shape as per requirement in m design and drawing and as per direction of Engineer in charge. Upto 10mm thick.	m	51.830	41.497	Forty-One point Four Nine Seven	2150.790	Two Thousand One Hundred and Fifty point Seven Nine
			Paining of steel sheet piles, 2 coats of bitumen paint, including preparation of surface with sand				Two Hundred and		Sixty-One Thousand One

D.30	72-180	72-180	of surface with sand paper, iron brush etc. including the cost of all materials and labour etc. complete as per direction of engineer in charge.	sqm	273.600	223.546	and Twenty-Three point Five Four Six	61162.186	Hundred and Sixty-Two point One Eight Six
D.31	76-120	76-120-10	M.S. Work for reinforcement with deformed M.S. bar, $f_y=414 \text{ N/mm}^2$, (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. 8mm to 30 mm dia	kg	21440.670	91.073	Ninety-One point Zero Seven Three	1952666.139	Nineteen Lakh Fifty-Two Thousand Six Hundred and Sixty-Six point One Three Nine
							Grand Total:	10850426.558	One Crore Eight Lakh Fifty Thousand Four Hundred and Twenty-Six point Five Five Eight

This Bill of Quantities: Part D-2 is Electronically Signed by Mr. MD. on behalf of NOONA-HB (JV.)