

## Individual Report

Tender/Proposal Detail			
<b>Tender/Proposal ID :</b>	233210	<b>Invitation Reference No. :</b>	T-3/184, Dated: 08/10/2018.
<b>Closing Date and Time :</b>	12-Nov-2018 12:00	<b>Opening Date and Time :</b>	12-Nov-2018 12:00
<b>Procuring Entity :</b>	Sunamganj O&M Division-2		
<b>Brief :</b>	<b>Construction of (A) Submersible embankment in between Km. 10.600 to 49.426 total 33.849 Km. (B) 7 Nos. Box Drainage Outlet (C) 9 Nos. Irrigation pipe Inlet (D) Re-excavation of 4 Nos. Khal total 7.678 km. at Different Location (E) General item of Works under Dhakua Haor Project in upazilla Sunamganj Sadar and Jamalganj, dist. Sunamganj in c/w "Haor Flood Management and Livelihood Improvement Project (BWDB Part)" under Sunamganj O&amp; M Division-2, BWDB, Sunamganj during the FY 2018-19 &amp; 2019-20. Package No. (BWDB/SUNAM/HFMLIP/PW-01)</b>		

Package No	Package Description
BWDB/SUNAM/HFMLIP/PW-01	Construction of A Submersible embankment in between Km. 10.600 to 49.426 total 33.849 Km. B 7 Nos. Box Drainage Outlet C 9 Nos. Irrigation pipe Inlet D Re-excavation of 4 Nos. Khal total 7.678 km at Different Location E General Work under Dhakua Haor Project in upazilla Sunamganj Sadar and Jamalganj dist. Sunamganj in c/w Haor Flood Management and Livelihood Improvement Project BWDB Part under Sunamganj O& M Division-2 BWDB Sunamganj during the FY 2018-19 & 2019-20.

### Ataur Rahman Khan Ltd.- Ashim Singh JV (JVCA)

#### Bill of Quantities (Box Drainage Outlet)

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)
1	04-120	04-120	Construction of B.M. pillar at site first class bricks in cement mortar (1:4) of size 36cm x 38cm x 75cm of cement concrete (1:2:4) base size 50cm x 50cm x 75cm with 12mm thick cement plastering (1:2) in exposed surface of pillar and cement mortar on top (1:2) with in ascription of ?BWDB? with 25cm of the pillar below ground level etc. complete	Nos	28.000	1323.001	One Thousand Three Hundred and Twenty-Three point Zero One	37044.028	Thirty-Seven Thousand AND Forty-Four point Zero Two Eight

			including ramming the backfilling and the cost of all materials as per direction of Engineer in charge.						
2	04-180	04-180	Site preparation by manually removing all miscellaneous objectional materials from entire site and removing soil upto 15cm depth including uprooting stumps, jungle, cleaning, levelling, dressing etc. complete as per direction of Engineer in charge	Sqm	8400.000	34.001	Thirty-Four point Zero Zero One	285608.400	Two Lakh Eighty-Five Thousand Six Hundred and Eight point Four
3	16-220	16-220	Earth work by manual labour with clayey soil (minimum 30% clay, 0.40% silt and 0-30% sabd) in construction of cross/ring bundh as per design & specification with all lead and lifts throwing the earth in layer not exceeding 150mm. In thickness in/c clod's breaking rough dressing, clearing the Jungles removing stumps dug baling and 75mm cambering etc. complete as per direction of Engineer in charge.	Cum	2236.850	175.001	One Hundred and Seventy-Five point Zero Zero One	391450.987	Three Lakh Ninety-One Thousand Four Hundred and Fifty point Nine Eight Seven
4	16-150	16-150	Earth work in excavation of foundation trenches in all kings of soils including leveling, dressing, placing, removal of spoils to a safe distance with initial lead of 30m and lift of 1.5m as per specification and direction of Engineer in charge	Cum	15686.300	213.001	Two Hundred and Thirteen point Zero Zero One	3341197.586	Thirty-Three Lakh Forty-One Thousand One Hundred and Ninety-Seven point Five Eight Six

5	12-310	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 By pump.	cum	45675.450	7.001	Seven point Zero One	319773.825	Three Lakh Nineteen Thousand Seven Hundred and Seventy-Three point Eight Two Five
6	44-220	44-220-10	Supplying and laying single layer polythene 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	697.340	31.001	Thirty-One point Zero Zero One	21618.237	Twenty-One Thousand Six Hundred and Eighteen point Two Three Seven
7	28-100	28-100-50	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 form works etc. complete as per direction of Engineer in charge. With 40mm down graded stone chips.	Cum	4.200	10614.001	Ten Thousand Six Hundred and Fourteen point Zero One	44578.804	Forty-Four Thousand Five Hundred and Seventy-Eight point Eight Zero Four
			Cement concrete work in leanest mix 1:3:6 with sand of (FM >= 1.5) in						

8	28-120	28-120-20	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 form works etc. complete as per direction of Engineer in charge. With 25mm down graded stone chips.	Cum	95.290	11061.001	Eleven Thousand AND Sixty-One point Zero Zero One	1054002.785	Ten Lakh Fifty-Four Thousand AND Two point Seven Eight Five
9	76-120	76-120-10	M.S. Work for reinforcement with twisted M.S. bar, fy=414 N/mm <sup>2</sup> , (made from billet) in RCC works, including local handling, cutting, forging, bending, cleaning and fabrication with supply of twisted M.S. bar in different sizes and blinding with 22 to 18 gages G.I. wire etc complete including the cost of all materials as per direction of Engineer in charge 8mm dia to 30mm dia	kg	46861.500	94.001	Ninety-Four point Zero Zero One	4405027.862	Forty-Four Lakh Five Thousand AND Twenty-Seven point Eight Six Two
10	28-200	28-200-10	Reinforced Cement concrete work in leanest mix 1:1.5:3 with 20mm down graded coarse aggregate and sand of FM >= 2.0 to FM <= 2.5, to attain a minimum 28 days cylinder strength of 22.0 N/mm <sup>2</sup> , including breaking, screening, grading and washing aggregates with clear water, mixing, laying in forms, consolidation to	Cum	390.450	12708.001	Twelve Thousand Seven Hundred and Eight point Zero Zero One	4961838.990	Forty-Nine Lakh Sixty-One Thousand Eight Hundred and Thirty-Eight

			levels, curing, including supply of all materials, excluding the cost of M.S. work for reinforcements and formworks etc. Complete as per direction of Engineer in charge. With stone chips						Eight point Nine Nine
11 (A)	36-150	36-150-60	Form work for centering and water tight shuttering as per drawing with 24 BWG M.S sheet, fitted 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 and 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, girder beams, foundation slab with 60-80 mm dia barrack bamboo props.	Sqm	589.810	870.001	Eight Hundred and Seventy point Zero One	513135.290	Five Lakh Thirteen Thousand One Hundred and Thirty-Five point Two Nine
			Form work for centering and water tight shuttering as per drawing with 24 BWG M.S sheet, fitted fixed with 40mm x 40mm x 6mm), M.S. angle frame and 25mm x 6mm F.I. bar stiffener, with necessary fabrication, welding, making						Eight Lakh Nine

11 (B)	36-150	36-150-10	the forms including fitting, fixing of steel forms with necessary ties, battens struts nuts and 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	751.240	1078.001	One Thousand AND Seventy-Eight point Zero One	809837.471	Thousand Eight Hundred and Thirty-Seven point Four Seven One
11 (C)	36-150	36-150-20	Form work for centering and water tight shuttering as per drawing with 24 BWG M.S sheet, fitted 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 and 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 Deck slab, operating deck slab, top slab of barrel up to 3.50m of height with 60-80 dia barrack bamboo props.	Sqm	349.370	1091.001	One Thousand AND Ninety-One point Zero One	381163.019	Three Lakh Eighty-One Thousand One Hundred and Sixty-Three point Zero One Nine
			Supplying and filling sand in foundation of hydraulic structure,						

12	16-520	16-520-20	buildings and in protective works with selected sand in 150mm thick layer, including leveling, dressing, ramming, watering etc complete (compacted to 50% relative density by manual labour using mallet/vibro compactor) as per direction of Engineer in charge. Sand of FM >= 1.50	Cum	487.760	1089.001	One Thousand AND Eighty-Nine point Zero One	531171.128	Five Lakh Thirty-One Thousand One Hundred and Seventy-One point One Two Eight
13 (A)	40-610	40-610-20	Supplying and laying dry 1st class tick jhama brick chips as jilter in two layers (top and bottom) as per specification size, range and gradation, including breaking chips, grading preparation of surface, compacting each layer etc, with supply of all materials and as per direction of Engineer in charge. Well graded between 40mm to 20mm size.	Cum	48.125	4231.001	Four Thousand Two Hundred and Thirty-One point Zero One	203616.923	Two Lakh Three Thousand Six Hundred and Sixteen point Nine Two Three
13 (B)	40-610	40-610-30	Supplying and laying dry 1st class tick jhama brick chips as jilter in two layers (top and bottom) as per specification size, range and gradation, including breaking chips, grading preparation of surface, compacting each layer etc, with supply of all materials and as per direction of Engineer in charge. Well graded between 20mm to 5mm size.	Cum	48.125	4656.001	Four Thousand Six Hundred and Fifty-Six point Zero One	224070.048	Two Lakh Twenty-Four Thousand AND Seventy point Zero Four Eight

			(Combination of sub item 10 & 30 or 20 & 30 shall be used.						
14	40-140	40-140-50	Manufacturing and supplying C.C. blocks in leanest mix 1:3:6 with cement and sand (FM>=1.5) and 1st class or picked jhama brick chips (25mm down graded), to attain a minimum 28 day strength of 9.00 N/mm2 including breaking, screening, grading, washing chip, 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. Block Size 30cm X 30cm X 30cm.	Nos	8309.000	321.001	Three Hundred and Twenty-One point Zero Zero One	2667197.309	Twenty-Six Lakh Sixty-Seven Thousand One Hundred and Ninety-Seven point Three Zero Nine
15	40-220	40-220-10	Lobour charge for protective work in laying C.C blocks of different sizes including preparation of base, ramming of base etc. complete as per direction of the Engineer in charge Within 200m.	Cum	224.340	1384.001	One Thousand Three Hundred and Eighty-Four point Zero Zero One	310486.784	Three Lakh Ten Thousand Four Hundred and Eighty-Six point Seven Eight Four
16	76-170	76-170	M.S. work in plates, angles, channels, flat bars, Tees etc. including fabricating, machining, cuttings, bending, welding, forging, drilling, riveting, embedding anchor bars, staging and fitting, fixing, local handling etc.	kg	1097.450	157.001	One Hundred and Fifty-Seven point	172300.747	One Lakh Seventy-Two Thousand Three Hundred



			complete with energy consumption and supply of labors including the cost of all materials as per design, specification and direction of Engineer in charge.				point Zero Zero One		hundred point Seven Four Seven
17	76-250	76-250-10	Manufacturing and supplying of M.S. Flap gate shutter of 8mm thick M.S. skin plate and stiffener with minimum 75mm x 75.00mm x 10mm M.S. angle as frame, horizontal & vertical beam, 100mm x 45mm x 16mm p-type rubber seal, fixed with 10mm dia x 63.5mm M.S. counter shank and hex nuts & bolts and 40mm x 10mm M.S. strip as clamp drilled spaces @ 150mm c/c, hinge assay with gate and wall bracket, link arm of 19mm thick M.S. Plate, 4 nos. 25mm dia x 150mm stainless steel hinge pin with proper thread, nut, cotter pin and washer as per approved design including the cost of all materials of proper grade & brand new prime coat of red oxide where necessary as specification and direction of the Engineer in charge. . Size 1.00m x 1.00m.	Nos	7.000	64395.001	Sixty-Four Thousand Three Hundred and Ninety-Five point Zero Zero One	450765.007	Four Lakh Fifty Thousand Seven Hundred and Sixty-Five point Zero Zero Seven
			Labour charge for fitting fixing of M.S. vertical lift/ flap gate shutter of different size including making holes in concrete						

18	76-260	76-260-10	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 and as per direction of the Engineer in charge. Size 1.00m X 1.00m or 1.35m X 1.35m.	Nos	14.000	10316.001	Ten Thousand Three Hundred and Sixteen point Zero One	144424.014	One Lakh Forty-Four Thousand Four Hundred and Twenty-Four point Zero One Four
19	68-130	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.	cum	0.700	90838.001	Ninety Thousand Eight Hundred and Thirty-Eight point Zero One	63586.601	Sixty-Three Thousand Five Hundred and Eighty-Six point Six Zero One
20	16-140	16-140-10	Earth work by manual labor in resection of embankment/ canal bank / river slopes/ road/ compound etc. manually compacted by 7.0 kg iron rammer to abode any air pocket in 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 profile in layers not exceeding 150mm 100mm, removing roots & stumps of trees of girth unto 200mm	Cum	23240.000	231.001	Two Hundred and Thirty-One point Zero One	5368463.240	Fifty-Three Lakh Sixty-Eight Thousand Four Hundred and Sixty-

			from the ground, benching the side slopes, stripping/sloughing the bees of embankment and borrow pit areas, dug bailing, bail out of water, rough dressing including 150mm cambering at the center of the crest (where necessary) etc. complete as per direction of Engineer in charge. 0 to 3m height.						Three point Two Four
21	16-600	16-600	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.	Cum	19320.000	122.001	One Hundred and Twenty-Two point Zero Zero One	2357059.320	Twenty-Three Lakh Fifty-Seven Thousand AND Fifty-Nine point Three Two
22	16-240	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-do-as per direction of Engineer in charge	Cum	5040.000	175.001	One Hundred and Seventy-Five point Zero Zero One	882005.040	Eight Lakh Eighty-Two Thousand AND Five point Zero Four
23	16-540	16-540-20	Back filling of hydraulic structure including all leads and lifts in 150mm layer including watering, ramming, compaction to 30% relative density etc. complete by compactor or any other suitable method as per direction of	Cum	598.080	788.001	Seven Hundred and Eighty-Eight point Zero Zero One	471287.638	Four Lakh Seventy-One Thousand Two Hundred and Eighty-Seven point Six Three

			Engineer in charge. Sand of Fm >0.80						Three Eight
24	16-530	16-530	Back filling of hydraulic structure and slop building in protective work including all leads and lifts with selected local soil in layer if 150mm including, watering, ramming etc complete compacted to 20% relative density by compactor or any other suitable method as per direction of Engineer in char.	Cum	5027.400	191.001	One Hundred and Ninety-One point Zero Zero One	960238.427	Nine Lakh Sixty Thousand Two Hundred and Thirty-Eight point Four Two Seven
25	. 48-100	. 48-100	Fine dressing and close turfing of the slope and the crest of embankment with 75mm thick good quality durba or charkanta sods of size 200mm x 200mm with all leads and lifts- do-do- etc. complete as per direction of Engineer in charge	Sqm	6300.000	30.001	Thirty point Zero Zero One	189006.300	One Lakh Eighty-Nine Thousand AND Six point Three
							<b>Grand Total:</b>	31561955.810	Three Crore Fifteen Lakh Sixty-One Thousand Nine Hundred and Fifty-Five point Eight One

This Bill of Quantities (Box Drainage Outlet) is Electronically Signed by Mr. Md. Ataur on behalf of Ataur Rahman Khan Ltd.- Ashim Singh JV