

Individual Report

Tender/Proposal Detail			
Tender/Proposal ID :	233210	Invitation Reference No. :	T-3/184, Dated: 08/10/2018.
Closing Date and Time :	12-Nov-2018 12:00	Opening Date and Time :	12-Nov-2018 12:00
Procuring Entity :	Sunamganj O&M Division-2		
Brief :	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& M Division-2, BWDB, Sunamganj during the FY 2018-19 & 2019-20. Package No. (BWDB/SUNAM/HFMLIP/PW-01)		

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 (Irrigation Pipe Inlet)

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	04-180	04-180	Site Preparation by manually removing all miscellaneous objectionable materials from entire site and including soil up to 15 cm depth etc. complete	Sqm	2025.000	34.001	Thirty-Four point Zero One	68852.025	Sixty-Eight Thousand Eight Hundred and Fifty-Two point Zero Two Five
2	16-	16-	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 lower part	Cum	3742.200	175.001	One Hundred and Seventy	654988.742	Six Lakh Fifty-Four Thousand Eight Hundred

2	220	220	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	3742.200	173.001	Seventy-Five point Zero One	634888.742	and Eighty-Eight point Seven Four Two
3	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 including ramming the backfilling and the cost of all materials as per direction of Engineer in charge.	each	36.000	1323.001	One Thousand Three Hundred and Twenty-Three point Zero One	47628.036	Forty-Seven Thousand Six Hundred and Twenty-Eight point Zero Three Six
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	590.500	213.001	Two Hundred and Thirteen point Zero One	125777.091	One Lakh Twenty-Five Thousand Seven Hundred and Seventy-Seven point Zero Nine One
5	16-520	16-520-10	Supplying and filling sand in foundation of hydraulic structure, 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.	Cum	22.290	901.001	Nine Hundred and One point Zero One	20083.312	Twenty Thousand AND Eighty-Three point Three One Two

			Sand of FM >= 1.00						
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	137.850	31.001	Thirty-One point Zero Zero One	4273.488	Four Thousand Two Hundred and Seventy-Three point Four Eight Eight
7	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 form works etc. complete as per direction of Engineer in charge. With 25mm down graded stone chips.	Cum	9.250	11061.001	Eleven Thousand AND Sixty-One point Zero Zero One	102314.259	One Lakh Two Thousand Three Hundred and Fourteen point Two Five Nine
8	76-120	76-120-10	M.S. Work for reinforcement with twisted M.S. bar, fy=414 N/mm ² , (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.	11718.230	94.001	Ninety-Four point Zero Zero One	1101525.338	Eleven Lakh One Thousand Five Hundred and Twenty-Five point Three Three Eight
			Reinforced cement concrete work in leanest mix. 1:2:4 with 25mm down graded coarse aggregates and sand of FM>1.8 to FM<=2.5, to attain a minimum 28 day						Seventeen

9	28-150	28-150-20	cylinder strength of 18.0 N/mm², including breaking, screening, grading and 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 reinforcements and formworks etc. complete and as per direction of Engineer in charge. With stone chips	Cum	143.570	11997.001	Eleven Thousand Nine Hundred and Ninety-Seven point Zero Zero One	1722409.434	Lakh Twenty-Two Thousand Four Hundred and Nine point Four Three Four
10 (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	308.420	870.001	Eight Hundred and Seventy point Zero Zero One	268325.708	Two Lakh Sixty-Eight Thousand Three Hundred and Twenty-Five point Seven Zero Eight
			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,				One		Five Lakh

10 (B)	36-150	36-150-10	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 Vertical and inclined walls, columns, piers with 60-80mm dia barrack bamboo props.	Sqm	466.200	1078.001	One Thousand AND Seventy-Eight point Zero Zero One	502564.066	Two Thousand Five Hundred and Sixty-Four point Zero Six Six
11	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. (Combination of sub item 10 & 30 or 20 & 30 shall be used.	Cum	2.160	4656.001	Four Thousand Six Hundred and Fifty-Six point Zero Zero One	10056.962	Ten Thousand AND Fifty-Six point Nine Six Two
12	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	1181.000	7.001	Seven point Zero Zero One	8268.181	Eight Thousand Two Hundred and Sixty-Eight point One Eight One
			M.S. work in plates, angles, channels, flat bars, Tees etc. including fabricating,						

13	76-170	76-170	machining, cuttings, bending, welding, forging, drilling, riveting, embedding anchor bars, staging and fitting, fixing, local handling etc. complete with energy consumption and supply of labors including the cost of all materials as per design, specification and direction of Engineer in charge.	Kg.	497.880	157.001	One Hundred and Fifty-Seven point Zero Zero One	78167.658	Seventy-Eight Thousand One Hundred and Sixty-Seven point Six Five Eight
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.	Each	960.000	321.001	Three Hundred and Twenty-One point Zero Zero One	308160.960	Three Lakh Eight Thousand One Hundred and Sixty point Nine Six
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	25.920	1384.001	One Thousand Three Hundred and Eighty-Four point Zero Zero One	35873.306	Thirty-Five Thousand Eight Hundred and Seventy-Three point Three Zero Six
			Manufacturing and supplying Standard machine made RCC Pipe of different diameter, length and thickness in construction of Drain/ Sluice/ Culvert/ Out let and any other						

16	60-260	60-260-35	works in leanest mix 1:1.5:3 with 15mm down graded stone shingles and sand of FM>= 2.0 to attain a minimum 28 Days cylinder strength of 25 N/mm2 including breaking, screening, grading, laying in forms, consolidating, curing, including the cost of 6mm dia M.S. work for reinforcement and specification including tools. Plants, testing, stacking in measurable stack etc. complete as per design specification and direction of Engineer in charge. RCC Pipe: 600mm dia, wall thickness not less than 60mm, circular reinforcement 100mm c/c and longitudinal reinforcement 210mmc/c.	m	79.200	2937.001	Two Thousand Nine Hundred and Thirty-Seven point Zero One	232610.479	Two Lakh Thirty-Two Thousand Six Hundred and Ten point Four Seven Nine
17	60-300	60-300-35	Lying in position standard machine made R.C.C. Pipe of different diameter in construction of drain/ sluice/ culvert/ outlet and any other work including fitting, fixing the socket where necessary, local handing, cutting, dressing, leveling, plumbing etc. complete as per design, specification and direction of Engineer in charge. : 600mm dia	m	79.200	81.001	Eighty-One point Zero One	6415.279	Six Thousand Four Hundred and Fifteen point Two Seven Nine
18	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 Engineer in charge. Sand of Fm >0.80	Cum	384.880	788.001	Seven Hundred and Eighty-Eight point Zero One	303285.825	Three Lakh Three Thousand Two Hundred and Eighty-Five point Eight Two Five
			Back filling of hydraulic structure						

19	16-530	16-530	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	497.650	191.001	One Hundred and Ninety-One point Zero Zero One	95051.648	Ninety-Five Thousand AND Fifty-One point Six Four Eight
20	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	2619.540	175.001	One Hundred and Seventy-Five point Zero Zero One	458422.120	Four Lakh Fifty-Eight Thousand Four Hundred and Twenty-Two point One Two
21	76-250	76-250-10	Manufacturing & Supplying of M.S. Flap Gate shutter of 8mm thick M.S. skin plate and stiffener with minimum 75mmx75mmx10mm M.S. angle as frame, horizontal & vertical beams, 100mmx45mmx16mm P-type rubber seal, fixed with 10mm dia x 63.5mm M.S. counter sink and hex. nuts & bolts and 40mmx10mm M.S. strip as clamp drilled spaces @ 150mm c/c hinge assy 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 with a prime coat of redoxide where necessary as per specification and direction of Engineer in charge. Size 1.00m x 1.00m.	each	9.000	64395.001	Sixty-Four Thousand Three Hundred and Ninety-Five point Zero Zero One	579555.009	Five Lakh Seventy-Nine Thousand Five Hundred and Fifty-Five point Zero Zero Nine

22	76-260	76-260-10	Labour charge for fitting fixing of M.S. vertical lift/ flap gate shutter 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 and as per direction of the Engineer in charge. Small size	Each	9.000	10316.001	Ten Thousand Three Hundred and Sixteen point Zero One	92844.009	Ninety-Two Thousand Eight Hundred and Forty-Four point Zero Zero Nine
23	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	0.900	90838.001	Ninety Thousand Eight Hundred and Thirty-Eight point Zero One	81754.201	Eighty-One Thousand Seven Hundred and Fifty-Four point Two Zero One
24	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 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	cum	7312.500	231.001	Two Hundred and Thirty-One point Zero Zero One	1689194.813	Sixteen Lakh Eighty-Nine Thousand One Hundred and Ninety-Four point Eight One Three

			including 150mm cambering at the center of the crest (where necessary) etc. complete as per direction of Engineer in charge. 0 to 3m height.						
25	16-130	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.	Cum	5670.000	175.001	One Hundred and Seventy-Five point Zero Zero One	992255.670	Nine Lakh Ninety-Two Thousand Two Hundred and Fifty-Five point Six Seven
							Grand Total:	9590557.619	Ninety-Five Lakh Ninety Thousand Five Hundred and Fifty-Seven point Six One Nine

This Bill of Quantities (Irrigation Pipe Inlet) is Electronically Signed by Mr. Md. Ataur on behalf of Ataur Rahman Khan Ltd.- Ashim Singh JV