

## Individual Report

Tender/Proposal Detail			
<b>Tender/Proposal ID :</b>	254188	<b>Invitation Reference No. :</b>	T-3/281, dt.-21/11/2018
<b>Closing Date and Time :</b>	27-Dec-2018 12:30	<b>Opening Date and Time :</b>	27-Dec-2018 12:30
<b>Procuring Entity :</b>	Sunamganj O&M Division		
<b>Brief :</b>	Re-excavation of 66.043 km khal, construction of 1 no. Box sluice/outlet and 12 nos. Pipe Inlet of Dharmapasha Rui Beel Haor Sub-project in c/w " Haor Flood Management and Livelihood Improvement Project (BWDB Part)" under Sunamganj O&M Division-1, BWDB, Sunamganj during the FY: 2018-19 & 2019-20.		

Package No	Package Description
BWDB/Sunam/HFMLIP/PW-06	Re-excavation of 66.043 km khal construction of 1 no. Box sluice/outlet and 12 nos. Pipe Inlet of Dharmapasha Rui Beel Haor Sub-project in c/w Haor Flood Management and Livelihood Improvement Project BWDB Part under Sunamganj O&M Division-1 BWDB Sunamganj during the FY 2018-19 & 2019-20.

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

#### Bill of Quantities

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	1	1	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 levelling etc. complete as per direction of Engineer-in-Charge.	cum	1159888.470	121.001	One Hundred and Twenty-One point Zero Zero One	140347664.758	Fourteen Crore Three Lakh Forty-Seven Thousand Six Hundred and Sixty-Four point Seven Five Eight
			Construction of B.M. Pillars at site with first class bricks in cement mortar (1:4) of size 38cm x 38cm x 75cm on cement concrete (1:2:4)						

2	2	2	base of size 50cm x 50cm x 7.5cm with 12mm thick cement plastering (1:2) on exposed surfaces of pillar and cement mortar on top (1:2), with inscription of "BWDB" with 25cm of the pillar below ground level etc. complete including ramming the backfill and the cost of all materials as per direction of Engineer in charge.	each	52.000	1323.001	One Thousand Three Hundred and Twenty-Three point Zero Zero One	68796.052	Sixty-Eight Thousand Seven Hundred and Ninety-Six point Zero Five Two
3	3	3	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.	sqm	3900.000	34.001	Thirty-Four point Zero Zero One	132603.900	One Lakh Thirty-Two Thousand Six Hundred and Three point Nine
4	4	4	Earth work by manual labour with clayey soil (minimum 30% clay, 0.40% silt and 0-30% sand) in construction of cross/ring bund 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	5309.150	175.001	One Hundred and Seventy-Five point Zero Zero One	929106.559	Nine Lakh Twenty-Nine Thousand One Hundred and Six point Five Five Nine

5	5	5	Earth work in excavation of foundation trenches in all kinds 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	2623.532	213.001	Two Hundred and Thirteen point Zero One	558814.940	Five Lakh Fifty-Eight Thousand Eight Hundred and Fourteen point Nine Four
6	6	6	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	8117.880	7.001	Seven point Zero One	56833.278	Fifty-Six Thousand Eight Hundred and Thirty-Three point Two Seven Eight
7	7	7	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	285.980	31.001	Thirty-One point Zero One	8865.666	Eight Thousand Eight Hundred and Sixty-Five point Six Six Six
			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				Ten Thousand Six Hundred		Six Thousand Three Hundred

8	8	8	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 Ston chips.	cum	0.600	10614.001	hundred and Fourteen point Zero Zero One	6368.401	and Sixty-Eight point Four Zero One
9	9	9	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	26.093	11061.001	Eleven Thousand AND Sixty-One point Zero Zero One	288614.699	Two Lakh Eighty-Eight Thousand Six Hundred and Fourteen point Six Nine Nine
10	10	10	M.S. Work for reinforcement with deformed M.S. bar, fy=400 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. 8mm dia to 30mm dia.	kg	22435.140	94.001	Ninety-Four point Zero Zero One	2108925.595	Twenty-One Lakh Eight Thousand Nine Hundred and Twenty-Five point Five Nine Five

11	11	11	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/mm <sup>2</sup> , 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. With stone chips	cum	55.770	12708.001	Twelve Thousand Seven Hundred and Eight point Zero One	708725.216	Seven Lakh Eight Thousand Seven Hundred and Twenty-Five point Two One Six
12	12	12	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 cylinder strength of 18.0 N/mm <sup>2</sup> , 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	192.120	11997.001	Eleven Thousand Nine Hundred and Ninety-Seven point Zero One	2304863.832	Twenty-Three Lakh Four Thousand Eight Hundred and Sixty-Three point Eight Three Two

13	13	13	Form work for centering and 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 designed 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. Footing, footing beams, girder beams, foundation slab with 60-80mm dia barrack bamboo props.	sqm	497.430	870.001	Eight Hundred and Seventy point Zero One	432764.597	Four Lakh Thirty-Two Thousand Seven Hundred and Sixty-Four point Five Nine Seven
14	14	14	Form work for centering and 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 designed shape and size including levelling and	sqm	728.920	1078.001	One Thousand AND Seventy-Eight point Zero One	785776.489	Seven Lakh Eighty-Five Thousand Seven Hundred and Seventy-Six point Four Eight Nine

			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.						
15	15	15	Form work for centering and 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 designed 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. Deck slab, operating deck slab, top slab of barrel upto 3.5m height with 60-80mm dia barrack bamboo props.	sqm	49.910	1091.001	One Thousand AND Ninety-One point Zero Zero One	54451.860	Fifty-Four Thousand Four Hundred and Fifty-One point Eight Six
			Supplying and filling sand in foundation of hydraulic structures, buildings and in protective works with selected sand, in 150mm thick layer, including levelling,				Nine Hundred		Twenty-Seven Thousand

16	16	16	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>= 1.00	cum	30.480	901.001	hundred and One point Zero Zero One	27462.510	Four Hundred and Sixty-Two point Five One
17	17	17	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. sand of FM>= 1.50	cum	69.980	1089.001	One Thousand AND Eighty-Nine point Zero One	76208.290	Seventy-Six Thousand Two Hundred and Eight point Two Nine
18	18	18	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. Well graded between 40mm to 20mm size.	cum	8.387	4231.001	Four Thousand Two Hundred and Thirty-One point Zero Zero One	35485.405	Thirty-Five Thousand Four Hundred and Eighty-Five point Four Zero Five
			Supplying and laying dry 1st						



19	19	19	<p>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.</p>	cum	8.387	4656.001	Four Thousand Six Hundred and Fifty-Six point Zero Zero One	39049.880	Thirty-Nine Thousand AND Forty-Nine point Eight Eight
20	20	20	<p>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</p>	cum	10.313	1139.001	One Thousand One Hundred and Thirty-Nine point Zero Zero One	11746.517	Eleven Thousand Seven Hundred and Forty-Six point Five One Seven
21	21	21	<p>Manufacturing and supplying C.C. blocks in leanest mix. 1:3:6, with cement, sand (FM&gt;=1.5) and Stone Chips (40mm down graded), to attain a minimum 28 days cylinder strength of 9.0 N/mm<sup>2</sup> 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</p>	each	2570.000	321.001	Three Hundred and Twenty-One point Zero Zero One	824972.570	Eight Lakh Twenty-Four Thousand Nine Hundred and Seventy-Two point Five Seven

			supply of all materials (steel shutter to be used) as per direction of Engineer in charge. block size 30cmx30cmx30cm						
22	22	22	Labour charge for protective works in laying C.C. blocks of different sizes including preparation of base, watering and ramming of base etc. complete as per direction of the Engineer in charge. Within 200m	cum	69.390	1384.001	One Thousand Three Hundred and Eighty-Four point Zero One	96035.829	Ninety-Six Thousand AND Thirty-Five point Eight Two Nine
23	23	23	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. complete with energy consumption and supply of labours including the cost of materials as per design, specification and direction of Engineer in charge.	kg	820.610	157.001	One Hundred and Fifty-Seven point Zero One	128836.591	One Lakh Twenty-Eight Thousand Eight Hundred and Thirty-Six point Five Nine One
24	24	24	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	cum	1.334	90838.001	Ninety Thousand Eight Hundred and Thirty-Eight point Zero One	121177.893	One Lakh Twenty-One Thousand One Hundred and Seventy-Seven point Eight Nine Three

			charge.						
25	25	25	<p>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 &amp; 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 &amp; 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 &amp; brand new prime coat of red oxide where necessary as specification and direction of the Engineer in charge. . Size 1.00m x 1.00m.</p>	each	13.000	64395.001	Sixty-Four Thousand Three Hundred and Ninety-Five point Zero One	837135.013	Eight Lakh Thirty-Seven Thousand One Hundred and Thirty-Five point Zero One Three
26	26	26	<p>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/slucice</p>	each	13.000	10316.001	Ten Thousand Three Hundred and Sixteen point	134108.013	One Lakh Thirty-Four Thousand One Hundred and Eight

			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 1.00m X 1.00m or 1.35m X 1.35m.				Zero Zero One		point Zero One Three
27	27	27	Earth work by manual labour in resectioning of embankment/ canal bank/river slopes/ road/ compound etc. manually compacted by 7.0 kg iron rammer to avoid 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 thickness with clod breaking to a maximum size of 100mm, removing roots & stumps of trees of girth upto 200mm from the ground, benching the side slopes, stripping/ ploughing the base of embankment and borrowpit areas, dug bailing, bail out of water, rough dressing including 150mm cambering at the centre of the crest (where necessary) etc. complete as per direction of Engineer in charge 0 m to 3.00 m height	cum	13070.000	231.001	Two Hundred and Thirty- One point Zero Zero One	3019183.070	Thirty Lakh Nineteen Thousand One Hundred and Eighty- Three point Zero Seven
			Earth work by manual labour in all kinds of soil in						

28	28	28	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.	cum	4644.720	175.001	One Hundred and Seventy-Five point Zero Zero One	812830.645	Eight Lakh Twelve Thousand Eight Hundred and Thirty point Six Four Five
29	29	29	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. Sand of FM>= 0.80	cum	606.600	788.001	Seven Hundred and Eighty-Eight point Zero Zero One	478001.407	Four Lakh Seventy-Eight Thousand AND One point Four Zero Seven
30	30	30	Back filling in hydraulic structures and slope building in protective works including all leads and lifts with selected local soil in layer of 150mm including watering, ramming etc. complete compacted to 20% relative density by compactor or any other suitable method as per direction of Engineer in charge.	cum	1392.120	191.001	One Hundred and Ninety-One point Zero Zero One	265896.312	Two Lakh Sixty-Five Thousand Eight Hundred and Ninety-Six point Three One Two
			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,				Thirty		Twenty-

31	31	31	including ramming, watering until the turf grows properly, maintaining etc. complete (measurement will be given on well grown grass only). as per direction of Engineer in charge.	sqm	900.000	30.001	point Zero One	27000.900	Seven Thousand point Nine
32	32	32	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	7560.000	175.001	One Hundred and Seventy-Five point Zero One	1323007.560	Thirteen Lakh Twenty-Three Thousand AND Seven point Five Six
33	33	33	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 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	m	199.800	2937.001	Two Thousand Nine Hundred and Thirty-Seven point Zero One	586812.800	Five Lakh Eighty-Six Thousand Eight Hundred and Twelve point Eight

			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 210mm/c.				ZERO ONE		Eight
34	34	34	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	199.800	81.001	Eighty-One point Zero Zero One	16184.000	Sixteen Thousand One Hundred and Eighty-Four
35	35	35	Mobilize, strengthen required land based construction equipment such as excavator, dump truck, chain dozer, vibro-compactor, and plants such as generator for site electrification, digital camera for taking photographs and digital video camera for recording/Taking photograph all sequences of works etc for keeping records	LS	1.000	92026.001	Ninety-Two Thousand AND Twenty-Six point Zero Zero One	92026.001	Ninety-Two Thousand AND Twenty-Six point Zero Zero One

			of the Works by providing following information including transfer to site, complete for the purposes stated in the Technical Specification and Contractor's Method Statement and as per direction of Engineer in charge.						
36	36	36	Operate, maintain of plant and equipment such as generator for site electrification, for the purpose stated in the Technical Specification and in the Contractor's Method Statement and as per direction of Engineer in charge.	LS	1.000	110909.001	One Lakh Ten Thousand Nine Hundred and Nine point Zero Zero One	110909.001	One Lakh Ten Thousand Nine Hundred and Nine point Zero Zero One
							<b>Grand Total:</b>	157857246.049	Fifteen Crore Seventy-Eight Lakh Fifty-Seven Thousand Two Hundred and Forty-Six point Zero Four Nine

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