Individual Report

Tender/Proposal Detail			
Tender/Proposal ID :	143780	**Invitation Reference No. :**	BWDB/Kishore/T-1/6591 Date: 30/11/2017
Closing Date and Time :	04-Jan-2018 14:40	**Opening Date and Time :**	04-Jan-2018 14:40
Procuring Entity :	Kishoreganj WD Division		
Brief :	WDB/Kish/HFMLIP/PW-20 Construction of 1 Causeway-4 nos a Chhitra Khal 4.00m at km 21.77 of Nunnir Haor b Nabinpur Khal 4.00m at km 23.38 of Noapara Haor c Dipjuri Khal 4.0m at km 27.00 of Boro Haor d Sudhi Khal 4.00m at km 33.30 of Boro Haor 2Box sluice/Dranage Culvert- 4 nos a Chhagalia khal at km 10.48 of Noapara haor b Near Nasir at km 7.74 of Nunnir haor c Singhpur khal at km 11.17 of Noapara haor d Goru Chara Khal at km. 10.00 of Boro Haor 3 Irrigation Inlet structure-36 nos in different placess in Noapara haor Nunnir haor & Boro haor in c/w Haor Flood Management and Livelihood Improved Improvement ProjectBWDB Part under Kishoregange WD Division BWDB Kishoregonj during the FY 2017-18 & 2018-19. Package No. WDB/Kish/HFMLI/PW-20.		

Package No	Package Description
WDB/Kish/HFMLIP/PW-20	Construction of 1 Causeway-4 nos a Chhitra Khal 4.00m at km 21.77 of Nunnir Haor b Nabinpur Khal 4.00m at km 23.38 of Noapara Haor c Dipjuri Khal 4.0m at km 27.00 of Boro Haor d Sudhi Khal 4.00m at km 33.30 of Boro Haor 2Box sluice/Dranage Culvert- 4 nos a Chhagalia khal at km 10.48 of Noapara haor b Near Nasir at km 7.74 of Nunnir haor c Singhpur khal at km 11.17 of Noapara haor d Goru Chara Khal at km. 10.00 of Boro Haor 3 Irrigation Inlet structure-36 nos in different placess in Noapara haor Nunnir haor & Boro haor in c/w Haor Flood Management and Livelihood Improved Improvement ProjectBWDB Part under Kishoregange WD Division BWDB Kishoregonj during the FY 2017-18 & 2018-19. Package No. WDB/Kish/HFMLI/PW-20.

AKA-UCL (JV)
(JVCA)

Bill Of Quantity -07-(36 Nos 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)
167	04-180	04-180	Site preparation by manually removing all miscellaneous objectional materials form 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	7200.000	27.721	Twenty-Seven point Seven Two One	199591.200	One Lakh Ninety-Nine Thousand Five Hundred and Ninety-One point Two
			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						

168	04-120	04-120	(1:2:4) base of size 50cm x 50cm x 7.5cm with 12mm thick cement plastering (1:2) on exposed surfaces of pillar and cement morter on top (1:2), with inscription of "BWDB" with 25cm of the pillar balow ground level etc. complete including ramming the backfill and the cost of all materials as per direction of Engineer in charge.	each	108.000	1203.771	One Thousand Two Hundred and Three point Seven Seven One	130007.268	One Lakh Thirty Thousand AND Seven point Two Six Eight
169	16-310	16-310-10	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/offerdam 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	cum	9225.402	246.711	Two Hundred and Forty-Six point Seven One One	2276008.153	Twenty-Two Lakh Seventy-Six Thousand AND Eight point One Five Three
170	16-520	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 laqbour using mallet/vibro compactor) as per direction of Engineer in charge. Sand of FM >= 1.50	cum	256.168	921.991	Nine Hundred and Twenty-One point Nine Nine One	236184.590	Two Lakh Thirty-Six Thousand One Hundred and Eighty-Four point Five Nine
	44-	44-	Supplying and laying single layer polythene sheet in floor below cement concrete, RCC slab, on walls				Thirty-One point		Fourteen Thousand One Hundred

171	44-220	220-10	etc. complete in all respect as per direction of Engineer in charge Weighing minimum 1.0 Kg. per 6.50 sqm.	sqm	453.348	31.221	One point Two Two One	14153.978	and Fifty-Three point Nine Seven Eight
172	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. 28-120-20: With 25mm down graded stone chips.	cum	121.811	11500.001	Eleven Thousand Five Hundred point Zero Zero One	1400826.622	Fourteen Lakh Eight Hundred and Twenty-Six point Six Two Two
173	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. 28-100-20 : With 25mm down graded stone chips	cum	10.080	12500.001	Twelve Thousand Five Hundred point Zero Zero One	126000.010	One Lakh Twenty-Six Thousand point Zero One
174	76-120	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	kg	41797.811	81.001	Eighty-One point Zero Zero One	3385664.489	Thirty-Three Lakh Eighty-Five Thousand Six Hundred and Sixty-Four point Four Eight Nine

			to 30mm dia						
175	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/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 the cost of M.S. work for reinforcements and formworks etc. Complete as per direction of Engineer in charge. With stone chips	cum	550.644	11500.001	Eleven Thousand Five Hundred point Zero Zero One	6332406.551	Sixty-Three Lakh Thirty-Two Thousand Four Hundred and Six point Five Five One
176(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	1175.054	735.351	Seven Hundred and Thirty-Five point Three Five One	864077.134	Eight Lakh Sixty-Four Thousand AND Seventy-Seven point One Three Four
176(b)	36-150	36-150-10	Vertical and inclined walls, columns, piers with 60-80mm dia barrack bamboo props.	sqm	1359.648	909.691	Nine Hundred and Nine point Six Nine One	1236859.549	Twelve Lakh Thirty-Six Thousand Eight Hundred and Fifty-Nine point Five Four

									Nine
177	40-610	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: Well graded between 20mm to5mm size. (Combination of sub item 10 & 30 or 20 & 30 shall be used.	cum	34.560	4076.091	Four Thousand AND Seventy-Six point Zero Nine One	140869.705	One Lakh Forty Thousand Eight Hundred and Sixty-Nine point Seven Zero Five
178	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	587189.217	6.131	Six point One Three One	3600057.089	Thirty-Six Lakh AND Fifty-Seven point Zero Eight Nine
179	76-170	76-170	MS work in plates, angles, channels, flat bars, Tees etc. including fabricating, machining, cutting, 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 materials as per design, specification and direction of Engineer in charge	kg	1878.768	144.421	One Hundred and Forty-Four point Four Two One	271333.553	Two Lakh Seventy-One Thousand Three Hundred and Thirty-Three point Five Five Three
			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						Seventeen

180	40-140	40-140-50	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	3636.000	485.001	Four Hundred and Eighty-Five point Zero Zero One	1763463.636	Lakh Sixty-Three Thousand Four Hundred and Sixty-Three point Six Three Six
181	40-220	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."	cum	98.172	1250.001	One Thousand Two Hundred and Fifty point Zero Zero One	122715.098	One Lakh Twenty-Two Thousand Seven Hundred and Fifteen point Zero Nine Eight
182	60-260	60-260-35	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 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	259.200	2636.651	Two Thousand Six Hundred and Thirty-Six point Six Five One	683419.939	Six Lakh Eighty-Three Thousand Four Hundred and Nineteen point Nine Three Nine

183	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	259.200	66.311	Sixty-Six point Three One One	17187.811	Seventeen Thousand One Hundred and Eighty-Seven point Eight One One
184	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	2625.773	757.751	Seven Hundred and Fifty-Seven point Seven Five One	1989682.117	Nineteen Lakh Eighty-Nine Thousand Six Hundred and Eighty-Two point One One Seven
185	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	4715.060	142.471	One Hundred and Forty-Two point Four Seven One	671759.313	Six Lakh Seventy-One Thousand Seven Hundred and Fifty-Nine point Three One Three
186	76-230	76-230	Manufacturing, supplying, installation and fitting, fixing the vertical steel lift gate/ flap gate as per design and specification, including fabricating, reverting, welding, fixing rubber seal, providing required nuts and bolts including the cost of all materials etc. complete with a prime coat of red oxide where necessary as per direction of Engineer in charge, (Applicable only for size not specified in Item code 76-240 & 76-250)	kg	7974.720	270.001	Two Hundred and Seventy point Zero Zero One	2153182.375	Twenty-One Lakh Fifty-Three Thousand One Hundred and Eighty-Two point Three Seven Five
			Manufacturing supplying & installation of Hand Wheel type						

187	76-200	76-200	lifting device for slide gate with 63mm dia steel shaft, 108mm outer dia bronze nut taper roller bearing SKF-50216 etc. as per approved design in/c. supply of all components, labours with a prime coat of red oxide where necessary etc. comp. in/c. the cost of all materials as per specification & direction of ENGINEER IN CHARGE.	each	36.000	40500.001	Forty Thousand Five Hundred point Zero Zero One	1458000.036	Fourteen Lakh Fifty-Eight Thousand point Zero Three Six
188	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	72.000	7974.175	Seven Thousand Nine Hundred and Seventy-Four point One Seven Five	574140.600	Five Lakh Seventy-Four Thousand One Hundred and Forty point Six
189	16-140	16-140-10	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 exceding 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	cum	2489.602	187.791	One Hundred and Eighty-Seven point Seven Nine One	467524.849	Four Lakh Sixty-Seven Thousand Five Hundred and Twenty-Four point Eight Four Nine

			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. 16-140-10: 0 m to 3.00m height.						
							Grand Total:	30115115.665	Three Crore One Lakh Fifteen Thousand One Hundred and Fifteen point Six Six Five

This Bill Of Quantity -07-(36 Nos Pipe Inlet) is Electronically Signed by Mr. Md Ali on behalf of AKA-UCL (JV)

Ashim Singh-M/S Subroto Suttradhar-M/S Pritom Enterprise (JV)
(JVCA)

Bill Of Quantity -07-(36 Nos 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)
167	04-180	04-180	Site preparation by manually removing all miscellaneous objectional materials form 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	7200.000	25.721	Twenty-Five point Seven Two One	185191.200	One Lakh Eighty-Five Thousand One Hundred and Ninety-One point Two
168	04-120	04-120	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) base of size 50cm x 50cm x 7.5cm with 12mm thick cement plastering (1:2) on exposed surfaces of pillar and cement morter on top (1:2), with inscription	each	108.000	1203.771	One Thousand Two Hundred and Three point Seven	130007.268	One Lakh Thirty Thousand AND Seven point Two

			of "BWDB" with 25cm of the pillar balow ground level etc. complete including ramming the backfill and the cost of all materials as per direction of Engineer in charge.				Seven Seven One		Six Eight
169	16-310	16-310-10	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/offerdam 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	cum	9225.402	246.711	Two Hundred and Forty-Six point Seven One One	2276008.153	Twenty-Two Lakh Seventy-Six Thousand AND Eight point One Five Three
170	16-520	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 laqbour using mallet/vibro compactor) as per direction of Engineer in charge. Sand of FM >= 1.50	cum	256.168	1420.061	One Thousand Four Hundred and Twenty point Zero Six One	363774.186	Three Lakh Sixty-Three Thousand Seven Hundred and Seventy-Four point One Eight Six
171	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	453.348	31.221	Thirty-One point Two Two One	14153.978	Fourteen Thousand One Hundred and Fifty-Three point Nine Seven Eight
			Cement concrete work in leanest mix.						

172	28-120	28-120-20	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. 28-120-20: With 25mm down graded stone chips.	cum	121.811	10954.481	Ten Thousand Nine Hundred and Fifty-Four point Four Eight One	1334376.285	Thirteen Lakh Thirty-Four Thousand Three Hundred and Seventy-Six point Two Eight Five
173	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. 28-100-20 : With 25mm down graded stone chips	cum	10.080	10601.191	Ten Thousand Six Hundred and One point One Nine One	106860.005	One Lakh Six Thousand Eight Hundred and Sixty point Zero Zero Five
174	76-120	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	kg	41797.811	77.341	Seventy-Seven point Three Four One	3232684.501	Thirty-Two Lakh Thirty-Two Thousand Six Hundred and Eighty-Four point Five Zero One
			Reinforced Cement concrete work in leanest mix 1:1.5:3 with 20mm down graded coarse aggregate and sand of FM >= 2.0 to						

175	28-200	28-200-10	FM<= 2.5, to attain a minimum 28 days cylinder strength of 22.0 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 the cost of M.S. work for reinforcements and formworks etc. Complete as per direction of Engineer in charge. With stone chips	cum	550.644	11674.491	Eleven Thousand Six Hundred and Seventy-Four point Four Nine One	6428488.422	Sixty-Four Lakh Twenty-Eight Thousand Four Hundred and Eighty-Eight point Four Two Two
176(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	1175.054	735.351	Seven Hundred and Thirty-Five point Three Five One	864077.134	Eight Lakh Sixty-Four Thousand AND Seventy-Seven point One Three Four
176(b)	36-150	36-150-10	Vertical and inclined walls, columns, piers with 60-80mm dia barrack bamboo props.	sqm	1359.648	800.691	Eight Hundred point Six Nine One	1088657.917	Ten Lakh Eighty-Eight Thousand Six Hundred and Fifty-Seven point Nine One Seven
			Supplying and laying dry 1st class or pick jhama chips as filter in two layers (top and bottom) as per specific size, range						

177	40-610	40-610-30	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 to5mm size. (Combination of sub item 10 & 30 or 20 & 30 shall be used.	cum	34.560	4076.091	Four Thousand AND Seventy-Six point Zero Nine One	140869.705	One Lakh Forty Thousand Eight Hundred and Sixty-Nine point Seven Zero Five
178	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	587189.217	4.951	Four point Nine Five One	2907173.813	Twenty-Nine Lakh Seven Thousand One Hundred and Seventy-Three point Eight One Three
179	76-170	76-170	MS work in plates, angles, channels, flat bars, Tees etc. including fabricating, machining, cutting, 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 materials as per design, specification and direction of Engineer in charge	kg	1878.768	144.421	One Hundred and Forty-Four point Four Two One	271333.553	Two Lakh Seventy-One Thousand Three Hundred and Thirty-Three point Five Five Three
180	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	each	3636.000	287.011	Two Hundred and Eighty-Seven point Zero One	1043571.996	Ten Lakh Forty-Three Thousand Five Hundred and Seventy-

			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.				Zero One One		One point Nine Nine Six
181	40-220	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."	cum	98.172	1145.881	One Thousand One Hundred and Forty-Five point Eight Eight One	112493.430	One Lakh Twelve Thousand Four Hundred and Ninety-Three point Four Three
182	60-260	60-260-35	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 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	259.200	2036.651	Two Thousand AND Thirty-Six point Six Five One	527899.939	Five Lakh Twenty-Seven Thousand Eight Hundred and Ninety-Nine point Nine Three Nine
			Lying in position standard machine made R.C.C. Pipe of different diameter in construction of drain/ sluice / culvert/ outlet						Seventeen Thousand

183	60-300	60-300-35	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	259.200	66.311	Sixty-Six point Three One One	17187.811	Thousand One Hundred and Eighty-Seven point Eight One One
184	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	2625.773	707.751	Seven Hundred and Seven point Seven Five One	1858393.467	Eighteen Lakh Fifty-Eight Thousand Three Hundred and Ninety-Three point Four Six Seven
185	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	4715.060	142.471	One Hundred and Forty-Two point Four Seven One	671759.313	Six Lakh Seventy-One Thousand Seven Hundred and Fifty-Nine point Three One Three
186	76-230	76-230	Manufacturing, supplying, installation and fitting, fixing the vertical steel lift gate/ flap gate as per design and specification, including fabricating, reverting, welding, fixing rubber seal, providing required nuts and bolts including the cost of all materials etc. complete with a prime coat of red oxide where necessary as per direction of Engineer in charge, (Applicable only for size not specified in Item code 76-240 & 76-250)	kg	7974.720	292.741	Two Hundred and Ninety-Two point Seven Four One	2334527.508	Twenty-Three Lakh Thirty-Four Thousand Five Hundred and Twenty-Seven point Five Zero Eight
			Manufacturing supplying & installation of Hand Wheel type lifting device for slide gate with 63mm dia steel shaft, 108mm outer dia bronze nut taper roller bearing SKF-50216 etc. as				Forty Thousand Eight		Fourteen Lakh Sixty-Nine

187	76-200	76-200	per approved design in/c. supply of all components, labours with a prime coat of red oxide where necessary etc. comp. in/c. the cost of all materials as per specification & direction of ENGINEER IN CHARGE.	each	36.000	40820.841	Hundred and Twenty point Eight Four One	1469550.276	Thousand Five Hundred and Fifty point Two Seven Six
188	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	72.000	8463.381	Eight Thousand Four Hundred and Sixty-Three point Three Eight One	609363.432	Six Lakh Nine Thousand Three Hundred and Sixty-Three point Four Three Two
189	16-140	16-140-10	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 exceding 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	cum	2489.602	187.791	One Hundred and Eighty-Seven point Seven Nine One	467524.849	Four Lakh Sixty-Seven Thousand Five Hundred and Twenty-Four point Eight Four Nine

			(where necessary) etc. complete as per direction of Engineer in charge. 16-140-10: 0 m to 3.00m height.						
							Grand Total:	28455928.141	Two Crore Eighty-Four Lakh Fifty-Five Thousand Nine Hundred and Twenty-Eight point One Four One

This Bill Of Quantity -07-(36 Nos Pipe Inlet) is Electronically Signed by Mr. Ashim on behalf of Ashim Singh-M/S Subroto Suttradhar-M/S Pritom Enterprise (JV)

M/S. BHAWAL CONSTRUCTION

Bill Of Quantity -07-(36 Nos 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)
167	04-180	04-180	Site preparation by manually removing all miscellaneous objectional materials form 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	7200.000	27.721	Twenty-Seven point Seven Two One	199591.200	One Lakh Ninety-Nine Thousand Five Hundred and Ninety-One point Two
168	04-120	04-120	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) base of size 50cm x 50cm x 7.5cm with 12mm thick cement plastering (1:2) on exposed surfaces of pillar and cement morter on top (1:2), with inscription of "BWDB" with 25cm of the pillar balow ground level etc. complete including ramming the backfill and the cost of all materials as per	each	108.000	1203.771	One Thousand Two Hundred and Three point Seven Seven One	130007.268	One Lakh Thirty Thousand AND Seven point Two Six Eight

			direction of Engineer in charge.						
169	16-310	16-310-10	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/offerdam 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	cum	9225.402	246.711	Two Hundred and Forty-Six point Seven One One	2276008.153	Twenty-Two Lakh Seventy-Six Thousand AND Eight point One Five Three
170	16-520	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 laqbour using mallet/vibro compactor) as per direction of Engineer in charge. Sand of FM >= 1.50	cum	256.168	1420.061	One Thousand Four Hundred and Twenty point Zero Six One	363774.186	Three Lakh Sixty-Three Thousand Seven Hundred and Seventy-Four point One Eight Six
171	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	453.348	31.221	Thirty-One point Two Two One	14153.978	Fourteen Thousand One Hundred and Fifty-Three point Nine Seven Eight
			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,				Twelve		Fourteen Lakh Sixty-One Thousand

172	28-120	28-120-20	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. 28-120-20: With 25mm down graded stone chips.	cum	121.811	12000.001	Thousand point Zero Zero One	1461732.122	Seven Hundred and Thirty-Two point One Two Two
173	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. 28-100-20 : With 25mm down graded stone chips	cum	10.080	12000.001	Twelve Thousand point Zero Zero One	120960.010	One Lakh Twenty Thousand Nine Hundred and Sixty point Zero One
174	76-120	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	kg	41797.811	77.341	Seventy-Seven point Three Four One	3232684.501	Thirty-Two Lakh Thirty-Two Thousand Six Hundred and Eighty-Four point Five Zero One
175	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/mm2, including breaking, screening, grading and washing aggregates with clear	cum	550.644	14000.001	Fourteen Thousand point Zero	7709016.551	Seventy-Seven Lakh Nine Thousand AND

		10	water, mixing, laying in forms, consolidation to 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				Zero Zero One		Sixteen point Five Five One
176(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	1175.054	735.351	Seven Hundred and Thirty-Five point Three Five One	864077.134	Eight Lakh Sixty-Four Thousand AND Seventy-Seven point One Three Four
176(b)	36-150	36-150-10	Vertical and inclined walls, columns, piers with 60-80mm dia barrack bamboo props.	sqm	1359.648	909.691	Nine Hundred and Nine point Six Nine One	1236859.549	Twelve Lakh Thirty-Six Thousand Eight Hundred and Fifty-Nine point Five Four Nine
177	40-610	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	cum	34.560	4076.091	Four Thousand AND Seventy-Six point Zero Nine One	140869.705	One Lakh Forty Thousand Eight Hundred and Sixty-Nine point Seven

			per direction of Engineer in charge: Well graded between 20mm to5mm size. (Combination of sub item 10 & 30 or 20 & 30 shall be used.						Zero Five
178	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	587189.217	9.558	Nine point Five Five Eight	5612354.536	Fifty-Six Lakh Twelve Thousand Three Hundred and Fifty-Four point Five Three Six
179	76-170	76-170	MS work in plates, angles, channels, flat bars, Tees etc. including fabricating, machining, cutting, 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 materials as per design, specification and direction of Engineer in charge	kg	1878.768	144.001	One Hundred and Forty-Four point Zero Zero One	270544.471	Two Lakh Seventy Thousand Five Hundred and Forty-Four point Four Seven One
180	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	each	3636.000	311.001	Three Hundred and Eleven point Zero Zero One	1130799.636	Eleven Lakh Thirty Thousand Seven Hundred and Ninety-Nine point Six Three Six

			of Engineer in charge. Block Size 30cm X 30cm X 30cm.						
181	40-220	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."	cum	98.172	1145.881	One Thousand One Hundred and Forty-Five point Eight Eight One	112493.430	One Lakh Twelve Thousand Four Hundred and Ninety-Three point Four Three
182	60-260	60-260-35	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 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	259.200	2636.651	Two Thousand Six Hundred and Thirty-Six point Six Five One	683419.939	Six Lakh Eighty-Three Thousand Four Hundred and Nineteen point Nine Three Nine
183	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	m	259.200	66.311	Sixty-Six point Three One One	17187.811	Seventeen Thousand One Hundred and Eighty-Seven point Eight One One

			design, specification and direction of Engineer in charge. : 600mm dia						
184	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	2625.773	757.751	Seven Hundred and Fifty-Seven point Seven Five One	1989682.117	Nineteen Lakh Eighty-Nine Thousand Six Hundred and Eighty-Two point One One Seven
185	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	4715.060	142.471	One Hundred and Forty-Two point Four Seven One	671759.313	Six Lakh Seventy-One Thousand Seven Hundred and Fifty-Nine point Three One Three
186	76-230	76-230	Manufacturing, supplying, installation and fitting, fixing the vertical steel lift gate/ flap gate as per design and specification, including fabricating, reverting, welding, fixing rubber seal, providing required nuts and bolts including the cost of all materials etc. complete with a prime coat of red oxide where necessary as per direction of Engineer in charge, (Applicable only for size not specified in Item code 76-240 & 76-250)	kg	7974.720	292.741	Two Hundred and Ninety-Two point Seven Four One	2334527.508	Twenty-Three Lakh Thirty-Four Thousand Five Hundred and Twenty-Seven point Five Zero Eight
187	76-200	76-200	Manufacturing supplying & installation of Hand Wheel type lifting device for slide gate with 63mm dia steel shaft, 108mm outer dia bronze nut taper roller bearing SKF-50216 etc. as per approved design in/c. supply of all components, labours with a prime coat of red oxide where necessary etc. comp. in/c. the cost of all materials as per	each	36.000	46820.841	Forty-Six Thousand Eight Hundred and Twenty point Eight Four One	1685550.276	Sixteen Lakh Eighty-Five Thousand Five Hundred and Fifty point Two Seven Six

			specification & direction of ENGINEER IN CHARGE.						
188	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	72.000	8463.381	Eight Thousand Four Hundred and Sixty-Three point Three Eight One	609363.432	Six Lakh Nine Thousand Three Hundred and Sixty-Three point Four Three Two
189	16-140	16-140-10	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 exceding 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. 16-140-10: 0 m to 3.00m height.	cum	2489.602	225.001	Two Hundred and Twenty-Five point Zero Zero One	560162.940	Five Lakh Sixty Thousand One Hundred and Sixty-Two point Nine Four
									Three

							Grand Total:	33427579.766	Crore Thirty-Four Lakh Twenty-Seven Thousand Five Hundred and Seventy-Nine point Seven Six Six

This Bill Of Quantity -07-(36 Nos Pipe Inlet) is Electronically Signed by Mr. FAKHAR UDDIN AHMED on behalf of M/S. BHAWAL CONSTRUCTION