

Individual Report

Tender/Proposal Detail			
Tender/Proposal ID :	118565	Invitation Reference No. :	T-1/BWDB/Kishore/6121 , Date: 30/08/2017
Closing Date and Time :	18-Oct-2017 16:00	Opening Date and Time :	18-Oct-2017 16:00
Procuring Entity :	Kishoreganj WD Division		
Brief :	<p>Re-Excavation of Khal 10.757 km Lalpur khal from km 0.410 to km 4.400 3.990 km Naluar khal from km 0.200 to km 0.800 0.600 km Maherkona khal from km 0.300 to km 3.300 3.000 km Nabinpur khal from km 4.000 to km 6.800 2.80 km & Jalalpur khal from km 0.090 to km 0.457 0.367 km total 10.757 km & Construction of New Regulator of 3 vent 1.50 m x 1.80 m at Naluar khal km 4.770 & 4 vent 1.50 m x 1.80 m at Maharkona khal km 1.640 of Noapara Haor Sub -Project in C/W Haor flood Management and Livelihood Improvement project Under Kishoreganj W.D DivisionBWDBKishoreganj During the Financial year 2017-18 & 2018-19. Package No.BWDB/Kish/HFMLIP/PW-12.</p> <p>Special Instructions:</p> <p>01. Tenderers should visit the working site before submission of tender.</p> <p>02. Notification of Award (NOA) will be issued after getting proper administrative approval from the competent authority.</p> <p>03. No claim what so ever will be entertained if NOA is not issued.</p> <p>04. The work of the packages may be totally dropped, decrease or increase as per field condition/design/budget allocation for which no claim shall be entertained.</p> <p>05. According to PPA 2006 Act 7(3) (Amendment) The Tenders having quoted the offer in percentage is more than 10%(ten percent) above or less than 10%(ten percent) less of the official estimated cost will be rejected.</p> <p>06. In case of credit line certificate, it should be in Letter of Commitment for Bank's under taking for Line of Credit(Form PW3-7) that attached in section -8. No alteration is allowed, in failing, tender may not be accepted. In case of Bank Statement, the amount of minimum balance shall remain constant of Tk. 180.00 Lakhs during the evaluation period. During verification, required amount of Liquid Asset if not found available in Tenderer mentioned account, then the submitted bank&</p>		

Package No	Package Description
BWDB/Kish/HFMLIP/PW-12.	Re-Excavation of Khal 10.757 km Lalpur khal from km 0.410 to km 4.400 3.990 km Naluar khal from km 0.200 to km 0.800 0.600 km Maherkona khal from km 0.300 to km 3.300 3.000 km Nabinpur khal from km 4.000 to km 6.800 2.80 km & Jalalpur khal from km 0.090 to km 0.457 0.367 km total 10.757 km & Construction of New Regulator of 3 vent 1.50 m x 1.80 m at Naluar khal km 4.770 & 4 vent 1.50 m x 1.80 m at Maharkona khal km 1.640 of Noapara Haor Sub -Project in C/W Haor flood Management and Livelihood Improvement project Under Kishoreganj W.D DivisionBWDBKishoreganj During the Financial year 2017-18 & 2018-19

PMPL-LA-TTSL Joint Venture (JVCA)									
Bill of Quantities 03									
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)
			"Supply and fitting and fixing 23cm						

37	76-630	76-630-10	<p>wide P.V.C water stops having minimum strength of 13.80 N/mm² at 225% elongation and of approved quality in contraction and expansion joints with necessary arrangements for modification in shuttering and keeping the water stop in position etc. complete as per design, specification and direction of Engineer in charge.</p> <p>76-630-10: 3 bulb type."</p>	m	29.500	1020.375	One Thousand AND Twenty point Three Seven Five	30101.063	Thirty Thousand One Hundred and One point Zero Six Three
38	72-540	72-540	<p>Epoxy paint 2 coats of approved colour and specification over a primingcoat to gate, hoisting device and embedded metal parts including craping out rust and old paint with chisel, scraper, steel wire brush & emery paper etc. complete in all respect including the cost of all materials as per direction of Engineer in charge.</p>	sqm	148.510	326.429	Three Hundred and Twenty-Six point Four Two Nine	48477.971	Forty-Eight Thousand Four Hundred and Seventy-Seven point Nine Seven One
39	16-520	16-520-20	<p>"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.</p> <p>16-520-20 : sand of FM>=1.50"</p>	Cum	137.437	1278.054	One Thousand Two Hundred and Seventy-Eight point Zero Five Four	175651.908	One Lakh Seventy-Five Thousand Six Hundred and Fifty-One point Nine Zero Eight
			<p>Supplying and laying dry 1st class or pick jhama chips as filter in two layers (top and bottom) as per</p>						

40	40-610	40-610-20	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:40-610-20Well graded between 40mm to 20mm size.	Cum	2.200	3357.423	Three Thousand Three Hundred and Fifty-Seven point Four Two Three	7386.331	Seven Thousand Three Hundred and Eighty-Six point Three Three One
41	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:40-610-30"Well graded between 20mm to 5mm size. (Combination of sub-item 10 & 30 or 20 & 30 shall be used)"	Cum	90.580	3668.481	Three Thousand Six Hundred and Sixty-Eight point Four Eight One	332291.009	Three Lakh Thirty-Two Thousand Two Hundred and Ninety-One point Zero Zero Nine
42	40-650	40-650-20	"Supplying and laying sand as filter layers as per specific size ranges and gradation including preparation of surface, compacting in layer etc. complete with supply of all materials and as per direction of Engineer in charge. 40-650-20 : FM : 1.5 to 2.0"	cum	13.780	1418.256	One Thousand Four Hundred and Eighteen point Two Five Six	19543.568	Nineteen Thousand Five Hundred and Forty-Three point Five Six Eight
			"Manufacturing and supplying C.C. blocks in leanest mix. 1:3:6, with cement, sand (FM>=1.5) and Stone Chips (40mm down graded), to						

43	40-140	40-140-50	<p>attain a minimum 28 days cylinder strength of 9.0 N/mm² including grading, washing stone chips, mixing, laying in forms, consolidation, curing for at least 21 days, including preparation of platform, shuttering and stacking in measurable stacks etc complete including supply of all materials (steel shutter to be used) as per direction of Engineer in charge.</p> <p>40-140-50 : block size 30cmx30cmx30cm."</p>	Each	11015.000	285.309	Two Hundred and Eighty-Five point Three Zero Nine	3142678.635	Thirty-One Lakh Forty-Two Thousand Six Hundred and Seventy-Eight point Six Three Five
44	40-220	40-220-10	<p>"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.</p> <p>40-220-10 : Within 200 m."</p>	Cum	297.405	1031.292	One Thousand AND Thirty-One point Two Nine Two	306711.397	Three Lakh Six Thousand Seven Hundred and Eleven point Three Nine Seven
45	76-170	76-170	<p>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.</p>	Kg	6751.980	129.978	One Hundred and Twenty-Nine point Nine Seven Eight	877608.856	Eight Lakh Seventy-Seven Thousand Six Hundred and Eight point Eight Five Six
			<p>"Supplying, laying, fitting and fixing of different dia G.I. pipes with all special fittings, such as bends, elbows,</p>						

46	80-230	80-230-40	<p>sockets, tees, unions, jamnuts etc. including cutting foundation trenches upto required depth where necessary and filling the same with earth duly compacted, making holes in floors and walls and mending the damages, fixing in walls with holders and clips, including cutting threads, making necessary connection etc. all complete, and as per direction of Engineer in charge:</p> <p>80-230-40 : 40mm dia G.I. pipe line."</p>	m	9.000	2724.198	Two Thousand Seven Hundred and Twenty-Four point One Nine Eight	24517.782	Twenty-Four Thousand Five Hundred and Seventeen point Seven Eight Two
47	76-240	76-240-40	<p>"Manufacturing & Supplying of M.S. Vertical Lift Gate shutter of 8mm thick M.S. skin plate and stiffener with minimum 75mmx75mmx10mm M.S. angle as frame, horizontal & vertical beam, 75mmx25mmx12mm P-type rubber seal, fixed with 10mm dia x 63.5mm M.S. counter shank bolts with nuts and 40mmx10mm M.S. strip as clamp drilled spaces @ 150mm c/c, stem attachment 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.</p> <p>76-240-40 : Size 1.95m x 1.65m."</p>	Each	8.000	87119.667	Eighty-Seven Thousand One Hundred and Nineteen point Six Six Seven	696957.336	Six Lakh Ninety-Six Thousand Nine Hundred and Fifty-Seven point Three Six
			"Labour charge for fitting and fixing of M.S. vertical lift gate/ flap gate						

48	76-260	76-260-20	<p>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/sluice 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.</p> <p>76-260-20 : Size 1.95m x 1.35m or 1.95m x 1.65m."</p>	Each	16.000	8992.719	Eight Thousand Nine Hundred and Ninety-Two point Seven One Nine	143883.504	One Lakh Forty-Three Thousand Eight Hundred and Eighty-Three point Five Zero Four
49	76-190	76-190	<p>Manufacturing, supplying and Installation of Padestal type lifting device for slide gate with 63mm dia threaded steel shaft, 146mm outer dia bronze nut, thrust bearing, steel bevel gear etc. as per approved design including supply of all components, labours with a prime coat of redoxide where necessary etc. complete including the cost of all materials as per specification and direction of Engineer in charge.</p>	Each	8.000	75722.265	Seventy-Five Thousand Seven Hundred and Twenty-Two point Two Six Five	605778.120	Six Lakh Five Thousand Seven Hundred and Seventy-Eight point One Two
			<p>"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</p>						Six Lakh

50	16-140	16-140-10	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. 16-140-10: 0 m to 3 m height"	Cum	4120.000	169.011	One Hundred and Sixty-Nine point Zero One One	696325.320	SIX Lakh Ninety-Six Thousand Three Hundred and Twenty-Five point Three Two
51	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	12012.000	128.223	One Hundred and Twenty-Eight point Two Two Three	1540214.676	Fifteen Lakh Forty Thousand Two Hundred and Fourteen point Six Seven Six
52	16-200	16-200	Extra rate for every additional lift of 1.0m or part thereof beyond the initial lift of 1.5m (30cm neglected) for all kinds of earth work. 1 lift x 10.99 =Tk 10.99	Plt/cum	6006.000	9.891	Nine point Eight Nine One	59405.346	Fifty-Nine Thousand Four Hundred and Five point Three Four Six
			Earth work by manual labour with clayey soil (minimum 30% clay, 0-40% silt and 0-30% sand) in construction of cross bundh/ ring bundh as per design				One		Four Lakh Twenty

53	16-220	16-220	and specification with all leads and lifts, throwing the earth in layers not exceeding 150mm in thickness, including breaking clods, rough dressing, clearing the jungle, removing stumps, dug bailing and 75mm cambering etc. complete as per direction of Engineer in charge.	Cum	3280.020	128.178	One Hundred and Twenty-Eight point One Seven Eight	420426.404	Twenty Thousand Four Hundred and Twenty-Six point Four Zero Four
54	04-280	04-280-10	"Constructing at site, cement mortar gauge on masonry wall, including engraving in meter, decimeter & centimeter, painting and figuring with black and red water proof paint, etc. complete as per direction of Engineer in charge. 04-280-10: 150mm x 25mm"	m	12.000	69.957	Sixty-Nine point Nine Five Seven	839.484	Eight Hundred and Thirty-Nine point Four Eight Four
55	16-540	16-540-20	"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. 16-540-20 : Sand of FM>=0.80"	Cum	1797.220	681.975	Six Hundred and Eighty-One point Nine Seven Five	1225659.110	Twelve Lakh Twenty-Five Thousand Six Hundred and Fifty-Nine point One One
56	16-530	16-530	"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	Cum	3746.050	143.541	One Hundred and Forty-Three point Five Four One	537711.763	Five Lakh Thirty-Seven Thousand Seven Hundred and Eleven point Seven Six Three

			Engineer in charge."						
57	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, (minimum 15m apart from the bank) as per direction of Engineer in charge.	Cum	2048.370	128.223	One Hundred and Twenty-Eight point Two Two Three	262648.147	Two Lakh Sixty-Two Thousand Six Hundred and Forty-Eight point One Four Seven
58	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	6.890	5486.976	Five Thousand Four Hundred and Eighty-Six point Nine Seven Six	37805.265	Thirty-Seven Thousand Eight Hundred and Five point Two Six Five
59	48-100	48-100	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, 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	3020.000	23.553	Twenty-Three point Five Five Three	71130.060	Seventy-One Thousand One Hundred and Thirty point Zero Six
60	80-260	80-260-20	"Supplying, fitting and fixing of the different dia G.I. water distribution pipe line, with all special fittings such as bends, elbows, sockets, reducing sockets, tees, unions etc including cutting trench up to an average depth of 0.90m, maintaining proper level, cutting pipes where	M	21.600	305.118	Three Hundred and Five point One One Eight	6590.549	Six Thousand Five Hundred and Ninety point Five Four Nine

			necessary, making threads etc. all complete, as per direction of Engineer in charge: 80-260-20 : 50mm dia G.I. pipe line"						
61	NSI	NSI	Environmental Monitoring through Sample Collection and analysis such as Air quality test, Surface water test, Sound Level monitoring, Traffic signs and road navigation, safety provisions with first aid and medical Assistant as per direction of engineer in charge.	LS	1.000	225000.001	Two Lakh Twenty-Five Thousand point Zero Zero One	225000.001	Two Lakh Twenty-Five Thousand point Zero Zero One
							Grand Total:	11495343.605	One Crore Fourteen Lakh Ninety-Five Thousand Three Hundred and Forty-Three point Six Zero Five

This Bill of Quantities 03 is Electronically Signed by Mr. Razzaque on behalf of PMPL-LA-TTSL Joint Venture

RE-MARCO (JV) (JVCA)									
Bill of Quantities 03									
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)
37	76-630	76-630-10	"Supply and fitting and fixing 23cm wide P.V.C water stops having minimum strength of 13.80 N/mm ² at 225% elongation and of approved quality in cntraction and expansion joints with necessary arrangments for modification in	m	29.500	1100.001	One Thousand One Hundred point	32450.030	Thirty-Two Thousand Four Hundred and Fifty

			shuttering and keeping the water stop in position etc. complete as per design, specification and direction of Engineer in charge. 76-630-10: 3 bulb type."				Zero Zero One		point Zero Three
38	72-540	72-540	Epoxy paint 2 coats of approved colour and specification over a primingcoat to gate, hoisting device and embedded metal parts including craping out rust and old paint with chisel, scraper, steel wire brush & emery paper etc. complete in all respect including the cost of all materials as per direction of Engineer in charge.	sqm	148.510	350.001	Three Hundred and Fifty point Zero Zero One	51978.649	Fifty-One Thousand Nine Hundred and Seventy- Eight point Six Four Nine
39	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 labour using mallet/ vibro compactor) as per direction of Engineer in charge. 16-520-20 : sand of FM>=1.50"	Cum	137.437	1420.001	One Thousand Four Hundred and Twenty point Zero Zero One	195160.677	One Lakh Ninety- Five Thousand One Hundred and Sixty point Six Seven Seven
40	40-610	40-610-20	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	Cum	2.200	3730.471	Three Thousand Seven Hundred and Thirty point Four Seven One	8207.036	Eight Thousand Two Hundred and Seven point Zero Three Six

			Engineer in charge:40-610-20Well graded between 40mm to 20mm size.						
41	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:40-610-30"Well graded between 20mm to 5mm size. (Combination of sub-item 10 & 30 or 20 & 30 shall be used)"	Cum	90.580	4050.001	Four Thousand AND Fifty point Zero One	366849.091	Three Lakh Sixty-Six Thousand Eight Hundred and Forty-Nine point Zero Nine One
42	40-650	40-650-20	"Supplying and laying sand as filter layers as per specific size ranges and gradation including preparation of surface, compacting in layer etc. complete with supply of all materials and as per direction of Engineer in charge. 40-650-20 : FM : 1.5 to 2.0"	cum	13.780	1575.001	One Thousand Five Hundred and Seventy-Five point Zero One	21703.514	Twenty-One Thousand Seven Hundred and Three point Five One Four
43	40-140	40-140-50	"Manufacturing and supplying C.C. blocks in leanest mix. 1:3:6, with cement, sand (FM>=1.5) and Stone Chips (40mm down graded), to attain a minimum 28 days cylinder strength of 9.0 N/mm² including grading, washing stone chips, mixing, laying in forms, consolidation, curing for at least 21 days, including preparation of platform,	Each	11015.000	315.001	Three Hundred and Fifteen point Zero One	3469736.015	Thirty-Four Lakh Sixty-Nine Thousand Seven Hundred and Thirty-Six

			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. 40-140-50 : block size 30cmx30cmx30cm."				Zero One		Thirty-Six point Zero One Five
44	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	297.405	1140.001	One Thousand One Hundred and Forty point Zero One	339041.997	Three Lakh Thirty-Nine Thousand AND Forty-One point Nine Nine Seven
45	76-170	76-170	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	6751.980	140.001	One Hundred and Forty point Zero One	945283.952	Nine Lakh Forty-Five Thousand Two Hundred and Eighty-Three point Nine Five Two
46	80-230	80-230-40	"Supplying, laying, fitting and fixing of different dia G.I. pipes with all special fittings, such as bends, elbows, sockets, tees, unions, jamnuts etc. including cutting foundation trenches upto required depth where necessary and filling the same with earth duly compacted, making holes in floors and walls and mending	m	9.000	232.931	Two Hundred and Thirty-Two point Nine Three	2096.379	Two Thousand AND Ninety-Six point Three Seven

			the damages, fixing in walls with holders and clips, including cutting threads, making necessary connection etc. all complete, and as per direction of Engineer in charge: 80-230-40 : 40mm dia G.I. pipe line."				Three One		Seven Nine
47	76-240	76-240-40	"Manufacturing & Supplying of M.S. Vertical Lift Gate shutter of 8mm thick M.S. skin plate and stiffener with minimum 75mmx75mmx10mm M.S. angle as frame, horizontal & vertical beam, 75mmx25mmx12mm P-type rubber seal, fixed with 10mm dia x 63.5mm M.S. counter shank bolts with nuts and 40mmx10mm M.S. strip as clamp drilled spaces @ 150mm c/c, stem attachment 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. 76-240-40 : Size 1.95m x 1.65m."	Each	8.000	96799.631	Ninety-Six Thousand Seven Hundred and Ninety-Nine point Six Three One	774397.048	Seven Lakh Seventy-Four Thousand Three Hundred and Ninety-Seven point Zero Four Eight
48	76-260	76-260-	"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/sluice and	Each	16.000	9990.001	Nine Thousand Nine Hundred and	159840.016	One Lakh Fifty-Nine Thousand Eight Hundred

	200	20	regulator/sluice 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. 76-260-20 : Size 1.95m x 1.35m or 1.95m x 1.65m."				Ninety point Zero One		hundred and Forty point Zero One Six
49	76-190	76-190	Manufacturing, supplying and Installation of Padestal type lifting device for slide gate with 63mm dia threaded steel shaft, 146mm outer dia bronze nut, thrust bearing, steel bevel gear etc. as per approved design including supply of all components, labours with a prime coat of redoxide where necessary etc. complete including the cost of all materials as per specification and direction of Engineer in charge.	Each	8.000	84135.001	Eighty-Four Thousand One Hundred and Thirty-Five point Zero One	673080.008	Six Lakh Seventy-Three Thousand AND Eighty point Zero Zero Eight
50	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 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,	Cum	4120.000	180.001	One Hundred and Eighty point Zero One	741604.120	Seven Lakh Forty-One Thousand Six Hundred and Four point One Two

			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 m height"						
51	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	12012.000	130.001	One Hundred and Thirty point Zero One	1561572.012	Fifteen Lakh Sixty-One Thousand Five Hundred and Seventy-Two point Zero One Two
52	16-200	16-200	Extra rate for every additional lift of 1.0m or part thereof beyond the initial lift of 1.5m (30cm neglected) for all kinds of earth work. 1 lift x 10.99 =Tk 10.99	Plt/cum	6006.000	10.001	Ten point Zero Zero One	60066.006	Sixty Thousand AND Sixty-Six point Zero Zero Six
53	16-220	16-220	Earth work by manual labour with clayey soil (minimum 30% clay, 0-40% silt and 0-30% sand) in construction of cross bundh/ ring bundh as per design and specification with all leads and lifts, throwing the earth in layers not exceeding 150mm in thickness, including breaking clods, rough dressing, clearing the jungle, removing stumps, dug bailing and	Cum	3280.020	130.001	One Hundred and Thirty point Zero One	426405.880	Four Lakh Twenty-Six Thousand Four Hundred and Five point Eight Eight

			75mm cambering etc. complete as per direction of Engineer in charge.						
54	04-280	04-280-10	"Constructing at site, cement mortar gauge on masonry wall, including engraving in meter, decimeter & centimeter, painting and figuring with black and red water proof paint, etc. complete as per direction of Engineer in charge. 04-280-10: 150mm x 25mm"	m	12.000	77.001	Seventy-Seven point Zero Zero One	924.012	Nine Hundred and Twenty-Four point Zero One Two
55	16-540	16-540-20	"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. 16-540-20 : Sand of FM>=0.80"	Cum	1797.220	700.001	Seven Hundred point Zero Zero One	1258055.797	Twelve Lakh Fifty-Eight Thousand AND Fifty-Five point Seven Nine Seven
56	16-530	16-530	"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	3746.050	150.001	One Hundred and Fifty point Zero Zero One	561911.246	Five Lakh Sixty-One Thousand Nine Hundred and Eleven point Two Four Six
57	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. (minimum	Cum	2048.370	130.001	One Hundred and Thirty point Zero	266290.148	Two Lakh Sixty-Six Thousand Two Hundred and Ninety

			distance, (minimum 15m apart from the bank) as per direction of Engineer in charge.				Zero One		point One Four Eight
58	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	6.890	60966.401	Sixty Thousand Nine Hundred and Sixty-Six point Four Zero One	420058.503	Four Lakh Twenty Thousand AND Fifty-Eight point Five Zero Three
59	48-100	48-100	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, 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	3020.000	26.171	Twenty-Six point One Seven One	79036.420	Seventy-Nine Thousand AND Thirty-Six point Four Two
60	80-260	80-260-20	"Supplying, fitting and fixing of the different dia G.I. water distribution pipe line, with all special fittings such as bends, elbows, sockets, reducing sockets, tees, unions etc including cutting trench up to an average depth of 0.90m, maintaining proper level, cutting pipes where necessary, making threads etc. all complete, as per direction of Engineer in charge: 80-260-20 : 50mm dia G.I. pipe line"	M	21.600	339.021	Three Hundred and Thirty-Nine point Zero Two One	7322.854	Seven Thousand Three Hundred and Twenty-Two point Eight Five Four
			Environmental Monitoring through Sample Collection						

61	NSI	NSI	and analysis such as Air quality test, Surface water test, Sound Level monitoring, Traffic signs and road navigation, safety provisions with first aid and medical Assistant as per direction of engineer in charge.	LS	1.000	200000.001	Two Lakh point Zero Zero One	200000.001	Two Lakh point Zero Zero One
							Grand Total:	12623071.411	One Crore Twenty-Six Lakh Twenty-Three Thousand AND Seventy-One point Four One One

This Bill of Quantities 03 is Electronically Signed by Mr. Shaikh on behalf of RE-MARCO (JV)