

Individual Report

Tender/Proposal Detail			
Tender/Proposal ID :	134720	Invitation Reference No. :	T-1/BWDB/Kishore/6444 , Date: 05/11/2017
Closing Date and Time :	23-Nov-2017 14:30	Opening Date and Time :	23-Nov-2017 14:30
Procuring Entity :	Kishoreganj WD Division		
Brief :	Package No.:BWDB/ Kish /HFMLIP/PW-09. Construction of new Regulator 1- vent (1.50m x1.80m) at km 19.90 in Karpasha, 1-vent (1.50m x1.80m) at km 35.20 in Hazirkhali, 2- vent (1.50m x1.80m) at km17.10 in Dampara & 2- vent (1.50m x1.80m) at km 23.40 in Baniajanj of Boro haor(Nikli) Sub-Project in c/w Haor Flood Management and Livelihood Improvement Project under Kishoregonj WD. Division, BWDB, Kishoregonj during the year 2017-18 & 2018-19.		

Package No	Package Description
BWDB/ Kish /HFMLIP/PW-09.	Construction of new Regulator 1- vent 1.50m x1.80m at km 19.90 in Karpasha 1- vent 1.50m x1.80m at km 35.20 in Hazirkhali 2- vent 1.50m x1.80m at km17.10 in Dampara & 2- vent 1.50m x1.80m at km 23.40 in Baniajanj of Boro haorNikli Sub-Project in c/w Haor Flood Management and Livelihood Improvement Project under Kishoregonj WD. Division BWDB Kishoregonj during the year 2017-18 & 2018-19. Package no BWDB/ Kish /HFMLIP/PW-09.

ARC-GE JV (JVCA)

Bill of Quantities-01 (Karpasha)

Bill of Quantities									
Item no.	Group	Item Code (if any)	Description of Item	Measurement Unit	Quantity	Unit Price In figures (BDT)	Unit Price In Words (BDT)	Total Price In Figures (BDT)	Total Price In Words (BDT)
1	04-120	04-120	Construction of B.M. 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 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	5.000	1550.005	One Thousand Five Hundred and Fifty point Zero Zero Five	7750.025	Seven Thousand Seven Hundred and Fifty point Zero Two Five
2	04-180	04-180	Site preparation by manually removing all miscellaneous objectional materials from entire site and removing soil upto 15cm depth including uprooting stumps, jungle clearing, levelling dressing etc. complete as per direction of Engineer in charge.	sqm	9000.000	7.001	Seven point Zero Zero One	63009.000	Sixty-Three Thousand AND Nine
3	04-620	04-620	Filling of expansion joints upto a depth of 40 mm with bitumen mixed with coarse sand (FM>=2.5) in concrete works including supply of all materials	m	22.800	69.541	Sixty-Nine point Five	1655.076	One Thousand Six Hundred

3	620	020-20	etc. complete as per specification and direction of Engineer in charge. 04-620-20 : 20 mm wide.	mm	23.000	09.341	point Five Four One	1033.070	and Fifty-Five point Zero Seven Six
4	12-100	12-100	Installation of pizeometer including supply of 40mm G.I. pipe, brass strainer, socket, labour, by wash boring, lowering, fixing the elevation and providing cover on the top of the well etc. complete as per direction of Engineer in charge.	each	6.000	2584.221	Two Thousand Five Hundred and Eighty-Four point Two Two One	15505.326	Fifteen Thousand Five Hundred and Five point Three Two Six
5	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	6056.200	170.001	One Hundred and Seventy point Zero Zero One	1029560.056	Ten Lakh Twenty-Nine Thousand Five Hundred and Sixty point Zero Five Six
6	16-560	16-560-20	Shoring for slope protection of foundation trench, canal, embankment, road, pond etc. as per design slopes, grades including removal of spoils to a safe distance as per direction of Engineer in charge. 16-560-20: By bamboo post of 6.0m length, c/c fixed with nails.	sqm	319.200	400.001	Four Hundred point Zero Zero One	127680.319	One Lakh Twenty-Seven Thousand Six Hundred and Eighty point Three One Nine
7	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. 12-310-20 : By pump.	cum	50971.290	6.131	Six point One Three One	312504.979	Three Lakh Twelve Thousand Five Hundred and Four point Nine Seven Nine
8	44-240	44-240-30	Supplying at site U-shape hot rolled steel sheet pile of different section of Phosphorus=0.04%(Maximum), Sulphur = 0.04% (Maximum), Copper= 0.25% (Minimum), Tensile strength=> 490 N/mm2 , Yield strength =>296 N/mm2, Elongation =15% (Minimum) including all taxes, freights, incidental charges etc. complete as per direction of the Engineer -in- charge. 44-240-30 : U-shape, hot-rolled steel sheet pile width= 400mm to 600mm: height=>	M ton	12.384	243675.001	Two Lakh Forty-Three Thousand Six Hundred and Seventy-Five point Zero Zero One	3017671.212	Thirty Lakh Seventeen Thousand Six Hundred and Seventy-One point Two One Two

			100mm, Th.=> 10.5: wt. per sqm of pile wall =>120 kg/m2: sectional modulus per one meter of pile wall width => 874 cm3/m						
9	44-320	44-320-10	Cutting of steel sheet piles to design length and shape as per requirement in design and drawing and as per direction of Engineer in charge. 44-320-10 : Upto 10mm thick.	m	58.480	39.161	Thirty-Nine point One Six One	2290.135	Two Thousand Two Hundred and Ninety point One Three Five
10	12-300	12-300	Construction of sump well with dug holes of size 1.80 m x 2.0 m, laying in position the perforated empty diesel/petrol drum sheet of 1.00 m dia to a depth 1.5m having slot area of 1000 sq.cm/sqm, slot dia being 30mm each with supply of necessary shrouding materials comprising of 60% 40mm down graded khoa and 40% coarse sand of FM>=2.50 and placing those around and beneath the drum sheet having thickness of 40cm and 50cm respectively including necessary welding, fitting etc. complete as per direction of Engineer in charge.	each	10.000	17211.171	Seventeen Thousand Two Hundred and Eleven point One Seven One	172111.710	One Lakh Seventy-Two Thousand One Hundred and Eleven point Seven One
11	44-270	44-270-20	Driving steel sheet piles of various sections and weights of any type of soil, by monkey hammer including handling and placing in position, staging and supplying of all equipments like monkey hammer, pully, rope, bamboo, bullah etc. including correcting leaning beyond tolerance & other defects and any other incidental cost etc. complete (measurement will be taken on projected width x height) as per direction of Engineer in charge. 44-270-20: U-type or any other type : Upto 4.50 m depth.	sqm	90.300	2000.001	Two Thousand point Zero Zero One	180600.090	One Lakh Eighty Thousand Six Hundred point Zero Nine
12	72-180	72-180	Painting of steel sheet piles, 2 coats of bitumen paint, including preparation of surface with sand paper, iron brush etc. including the cost of all materials and labour etc. complete as per direction of Engineer in charge.	sqm	350.880	293.331	Two Hundred and Ninety-Three point Three Three One	102923.981	One Lakh Two Thousand Nine Hundred and Twenty-Three point Nine Eight One
13	72-540	72-540	Epoxy paint 2 coats of approved colour and specification over a priming coat to gate, hoisting device and embedded metal parts including scraping 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	28.650	362.701	Three Hundred and Sixty-Two point Seven Zero One	10391.384	Ten Thousand Three Hundred and Ninety-One point Three Eight Four

14	44-310	44-310	Supplying and placing 20mm thick hessian cloth impregnated with bitumen in expansion joints or on top of sheet piles as per specification and direction of Engineer in charge	sqm	43.860	461.801	Four Hundred and Sixty-One point Eight Zero One	20254.592	Twenty Thousand Two Hundred and Fifty-Four point Five Nine Two
15	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. 44-220-10: Weighing minimum 1.0 kg per 6.50 sqm	sqm	263.670	31.221	Thirty-One point Two Two One	8232.041	Eight Thousand Two Hundred and Thirty-Two point Zero Four One
16	28-120	28-120-20	Cement concrete work in leanest mix. 1:3:6 with sand of FM \geq 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	19.650	13000.001	Thirteen Thousand point Zero Zero One	255450.020	Two Lakh Fifty-Five Thousand Four Hundred and Fifty point Zero Two
17	28-100	28-100-20	Cement concrete work in leanest mix. 1:4:8, with sand of FM \geq 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	1.344	12000.001	Twelve Thousand point Zero Zero One	16128.001	Sixteen Thousand One Hundred and Twenty-Eight point Zero Zero One
18	28-200	28-200-10	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 ² , 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. 28-200-10 : with stone chips	cum	210.031	15000.001	Fifteen Thousand point Zero Zero One	3150465.210	Thirty-One Lakh Fifty Thousand Four Hundred and Sixty-Five point Two One
			M.S. Work for reinforcement with deformed M.S. bar, fy=414 N/mm ² , (made from billet) in RCC works, including						Eleven Lakh

19	76-120	76-120-10	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	13093.132	85.001	Eighty-Five point Zero Zero One	1112929.313	Twelve Thousand Nine Hundred and Twenty-Nine point Three One Three
20	76-115	76-115-10	M.S Work for reinforcement with Standard deformed bar $f_y=276 \text{ N/mm}^2$ in RCC works including local handling, cutting, forging, bending, cleaning and fabrication with supply of deformed M.S. bar in different sizes and bending with 22 to 18 gages G.I. wire etc. complete including the cost of all materials as per direction of Engineer in charge. 76-115-10 : 6mm dia	kg	26.664	85.001	Eighty-Five point Zero Zero One	2266.467	Two Thousand Two Hundred and Sixty-Six point Four Six Seven
21(a)	36-150	36-150-60	Formwork for centering and water tight shuttering as per drawing with 14 BWG M.S. sheet, fitted and fixed with 40mmx40mmx6mm M.S. angle frame and 25mmx6mm 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 desired 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, grade beams, foundation slab with 60-80mm dia barrack bamboo props.	sqm	160.579	735.351	Seven Hundred and Thirty-Five point Three Five One	118081.928	One Lakh Eighteen Thousand AND Eighty-One point Nine Two Eight
21(b)	36-150	36-150-10	Vertical and inclined walls, columns, piers with 60-80mm dia barrack bamboo props.	sqm	521.900	909.691	Nine Hundred and Nine point Six Nine One	474767.733	Four Lakh Seventy-Four Thousand Seven Hundred and Sixty-Seven point Seven Three Three
21(c)	36-150	36-150-20	Deck slab, operating deck slab, top slab of barrel upto 3.5m height with 60-80mm dia barrack bamboo props.	sqm	10.330	921.991	Nine Hundred and Twenty-One point Nine Nine One	9524.167	Nine Thousand Five Hundred and Twenty-Four point One Six Seven
			Supply and fitting and fixing						

22	76-630	76-630-10	23cm wide P.V.C water stops having minimum strength of 13.80 N/mm ² 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. 76-630-10 : 3 bulb type.	m	14.800	1200.001	One Thousand Two Hundred point Zero Zero One	17760.015	Seventeen Thousand Seven Hundred and Sixty point Zero One Five
23	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	179.480	800.001	Eight Hundred point Zero Zero One	143584.179	One Lakh Forty-Three Thousand Five Hundred and Eighty-Four point One Seven Nine
24(a)	40-610	40-610-20	0 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	1.000	4000.001	Four Thousand point Zero Zero One	4000.001	Four Thousand point Zero Zero One
24(b)	40-610	40-610-30	Well graded between 20mm to 5mm size. (Combination of sub-item 10 & 30 or 20 & 30 shall be used)	cum	41.724	5000.001	Five Thousand point Zero Zero One	208620.042	Two Lakh Eight Thousand Six Hundred and Twenty point Zero Four Two
25	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	6.129	1575.841	One Thousand Five Hundred and Seventy-Five point Eight Four One	9658.329	Nine Thousand Six Hundred and Fifty-Eight point Three Two Nine
26	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/mm ² including grading, washing stone chips, mixing, laying in forms, consolidation, curing for at least 21 days, including	each	4555.000	386.701	Three Hundred and Eighty-Six point	1761423.055	Seventeen Lakh Sixty-One Thousand Four Hundred and

		30	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. 40-140-50 : block size 30cmx30cmx30cm.				point Seven Zero One		and Twenty- Three point Zero Five Five
27	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	122.990	1200.001	One Thousand Two Hundred point Zero Zero One	147588.123	One Lakh Forty- Seven Thousand Five Hundred and Eighty- Eight point One Two Three
28	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	1229.760	200.001	Two Hundred point Zero Zero One	245953.230	Two Lakh Forty-Five Thousand Nine Hundred and Fifty- Three point Two Three
29	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 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.	m	9.000	400.001	Four Hundred point Zero Zero One	3600.009	Three Thousand Six Hundred point Zero Zero Nine
30	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	each	1.000	125000.001	One Lakh Twenty- Five Thousand point Zero Zero One	125000.001	One Lakh Twenty- Five Thousand point Zero Zero One

			redoxide where necessary as per specification and direction of Engineer in charge. 76-240-40 : Size 1.95m x 1.65m.						
31	76-260	76-260-20	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 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 x1.35m or 1.95m x1.65m.	each	1.000	10000.001	Ten Thousand point Zero Zero One	10000.001	Ten Thousand point Zero Zero One
32	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	1.000	90000.001	Ninety Thousand point Zero Zero One	90000.001	Ninety Thousand point Zero Zero One
33	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, 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	1320.000	120.001	One Hundred and Twenty point Zero Zero One	158401.320	One Lakh Fifty-Eight Thousand Four Hundred and One point Three Two
34	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	cum	3077.000	100.001	One Hundred point Zero	307703.077	Three Lakh Seven Thousand Seven Hundred

			clods, rough dressing, clearing jungles including cutting trees upto 200mm girth, dug bailing etc. complete as per direction of Engineer in charge.				Zero One		and Three point Zero Seven Seven
35	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.	pltcum	3077.000	10.991	Ten point Nine Nine One	33819.307	Thirty-Three Thousand Eight Hundred and Nineteen point Three Zero Seven
36	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	10.000	100.001	One Hundred point Zero Zero One	1000.010	One Thousand point Zero One
37	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	1078.560	142.471	One Hundred and Forty-Two point Four Seven One	153663.522	One Lakh Fifty-Three Thousand Six Hundred and Sixty-Three point Five Two Two
38	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	587.820	500.001	Five Hundred point Zero Zero One	293910.588	Two Lakh Ninety-Three Thousand Nine Hundred and Ten point Five Eight Eight
39	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	2579.070	130.001	One Hundred and Thirty point Zero Zero One	335281.679	Three Lakh Thirty-Five Thousand Two Hundred and Eighty-One point Six Seven Nine
40	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	1.233	61000.001	Sixty-One Thousand point Zero Zero One	75213.001	Seventy-Five Thousand Two Hundred and Thirteen point Zero Zero One
			Fine dressing and close turfing						

41	48-100	48-100	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	1330.000	15.001	Fifteen point Zero Zero One	19951.330	Nineteen Thousand Nine Hundred and Fifty-One point Three Three
42	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 : 50 mm dia	M	7.000	500.001	Five Hundred point Zero Zero One	3500.007	Three Thousand Five Hundred point Zero Zero Seven
							Grand Total:	14361383.592	One Crore Forty-Three Lakh Sixty-One Thousand Three Hundred and Eighty-Three point Five Nine Two

This Bill of Quantities-01 (Karpasha) is Electronically Signed by Mr. MD on behalf of ARC-GE JV