

## Individual Report

Tender/Proposal Detail			
<b>Tender/Proposal ID :</b>	235802	<b>Invitation Reference No. :</b>	BWDB/Kish/T-1/1661 DATED: 14/10/2018
<b>Closing Date and Time :</b>	25-Nov-2018 13:20	<b>Opening Date and Time :</b>	25-Nov-2018 13:20
<b>Procuring Entity :</b>	Kishoreganj WD Division		
<b>Brief :</b>	BWDB/Kish/HFMLIP/ PW-22 Construction of A Sub-Mergible Embankment inbetween km. 12.059 to km. 26.998 Total Length 10.463 km B Re-excavation of Khal i Sajna Khal from km. 0.000 to km. 1.000 ii Chandpur Khal from km. 0.000 to km. 0.700 iii Baduti Khal from km. 0.000 to km. 1.000 iv Kanala Khal from km. 0.000 to km. 0.584 v Kursi Khal from km. 0.000 to km. 2.900 vi Bamuna Khal from km. 0.000 to km. 1.400 vii Chouganga Khal from km. 1.700 to km. 1.900 viii Maora Khal from km. 0.000 to km. 1.700 ix Burimara Khal from km. 0.000 to km. 0.439 Total Length9.92 km. C Construction of 4.0m width Causeway at km 7.50 of Kanala Khal D Construction of 3 nos Box Drainage Outlet 900mm x 900mm at km. 19.50 km. 22.30 km. 23.60 E Construction of 6 nos Irrigation Pipe Inlet 600mm dia in different location F General item of Works under Badla Haor Project in Upazilla Itna & Tarail Dist Kishoreganj in C/W Haor flood Managemant and Livelihood Improvement project Under Kishoreganj W.D Division BWDB Kishoreganj during the Financial year 2018-19 & 2019-20		

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FC-A&CO JV (JVCA)									
Bill of Quantities-2									
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)
31	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	Cum	208.348	1500.001	One Thousand Five Hundred point Zero One	312522.208	Three Lakh Twelve Thousand Five Hundred and Twenty-Two point Two Zero Eight

			Engineer in charge.  16-520-20 : sand of FM>=1.50						
32(a)	40-610-20	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 Engineer in charge (a)40-610-20: Well graded between 40mm to 20mm size.	Cum	73.529	4000.001	Four Thousand point Zero Zero One	294116.074	Two Lakh Ninety- Four Thousand One Hundred and Sixteen point Zero Seven Four
32(b)	40-610-30	40-610-30	40-610-30: Well graded between 20mm to 5mm size. (Combination of sub-item 10 & 30 or 20 & 30 shall be used)	Cum	73.539	4400.001	Four Thousand Four Hundred point Zero Zero One	323571.674	Three Lakh Twenty- Three Thousand Five Hundred and Seventy- One point Six Seven Four
33	40-600-20	40-600-20	Supplying and placing non-woven needle punched type geotextile fabric as filter materials of elongation at maximum force machine direction (MD) >=60% and <= 100 % , elongation at maximum force (CMD) => 40% and <= 100% ,horizontal and vertical permeability (under 2 kn/m² pressure)=>2x10E- 3 m/sec. for effective erosion protection in hydraulic structures/river training works including local handling, placing in position, providing machine seamed joints (with 100% polypropeline or nylon thread) or 35cm lap in dry condition or	Sum	360.426	210.001	Two Hundred and Ten	75680.820	Seventy- Five Thousand Six Hundred and

33	40-600-20	40-600-20	<p>minimum 100cm lap under water including protecting the geotextile material from UV ray and from any other damages including supply of all materials, labours, equipments etc. complete as per direction of Engineer in charge. (Geotextile delivered at site should be certified by ISO and clearly labelled with brand name and grade printed at regular intervals accross the body of the fabric).</p> <p>40-600-20 Mass =&gt;300 gm/m<sup>2</sup>, thickness(Under 2 kpa pressure) =&gt;2.00mm, EoS&lt;=0.11mm, strip tensile strength =&gt;15kn/m, grab strength =&gt;850N, CBR puncture resistance =&gt;2200N</p>	34m	300.420	210.001	point Zero Zero One	75089.820	and Eighty-Nine point Eight Two
34(a)	40-140	40-140-50	<p>Manufacturing and supplying C.C. blocks in leanest mix. 1:3:6, with cement, sand (FM&gt;=1.5) and Stone Chips (40mm down graded), to attain a minimum 28 days cylinder strength of 9.0 N/mm<sup>2</sup> including grading, washing stone chips, mixing, laying in forms, consolidation, curing for at least 21 days, including preparation of platform, shuttering and stacking in measurable stacks etc complete including supply of all materials (steel shutter to be used) as per direction of Engineer in charge.</p> <p>a) 40-140-50 : block size 30cmx30cmx30cm.</p>	each	12754.000	370.001	Three Hundred and Seventy point Zero One	4718992.754	Forty-Seven Lakh Eighteen Thousand Nine Hundred and Ninety-Two point Seven Five Four
34(b)	40-140	40-140-40	<p>b) 40-140-40 block size</p>	each	1746.000	430.001	Four Hundred and Thirty	750781.746	Seven Lakh Fifty Thousand Seven Hundred

			40cmx40cmx20cm.				point Zero Zero One		and Eighty- One point Seven Four Six
35	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	400.229	1300.001	One Thousand Three Hundred point Zero Zero One	520298.100	Five Lakh Twenty Thousand Two Hundred and Ninety- Eight point One
36(a)	16-140	16-140	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	3600.000	200.001	Two Hundred point Zero Zero One	720003.600	Seven Lakh Twenty Thousand AND Three point Six
36(b)	16-140-40	16-140-40	16-140-40: 0 m to 6.0 m height	Cum	4216.122	250.001	Two Hundred and Fifty point Zero Zero One	1054034.716	Ten Lakh Fifty- Four Thousand AND Thirty- Four point Seven One Six

37	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.	Pltcu	3253.500	12.001	Twelve point Zero One	39045.254	Thirty-Nine Thousand AND Forty-Five point Two Five Four
38	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	8.400	200.001	Two Hundred point Zero One	1680.008	One Thousand Six Hundred and Eighty point Zero Zero Eight
39	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	1947.994	780.001	Seven Hundred and Eighty point Zero One	1519437.268	Fifteen Lakh Nineteen Thousand Four Hundred and Thirty-Seven point Two Six Eight
40	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	1133.016	180.001	One Hundred and Eighty point Zero One	203944.013	Two Lakh Three Thousand Nine Hundred and Forty-Four point Zero One Three
41	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 &	sqm	32.250	400.001	Four Hundred point Zero One	12900.032	Twelve Thousand Nine Hundred point Zero Three

			emery paper etc. complete in all respect including the cost of all materials as per direction of Engineer in charge						Two
42	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	779.626	160.001	One Hundred and Sixty point Zero Zero One	124740.940	One Lakh Twenty-Four Thousand Seven Hundred and Forty point Nine Four
43	76-250	76-250-10	Manufacturing & Supplying of M.S. Flap Lift Gate shutter of 8mm thick M.S. skin plate and stiffener with minimum 75mmx75mmx10mm M.S. angle as frame, horizontal & vertical beams, 100mm x 45mm x 16mm P-type rubber seal, fixed with 10mm dia x 63.5mm M.S. counter sink and hax.nuts & bolts and 40mm x 10mm M.S. strip as clamp drilled spaces @ 150mm c/c hinge assy with gate and wall bracket, link arm of 19mm thick M.S plate, 4 nos 25mm dia x 150mm stainless steel hinge pin with proper thread, nut, cotter pin and washer as per approved design including the cost of all materials of proper grade & brand new with a prime coat of redoxide where necessary as per specification and direction of Engineer in charge. 76-250-10 : Size 1.00m x 1.00m.	each	3.000	64000.001	Sixty-Four Thousand point Zero Zero One	192000.003	One Lakh Ninety-Two Thousand point Zero Zero Three

44	76-260	76-260-10	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/sluiice 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. 76-260-10 : Size 1.00m x 1.00m or 1.35m x 1.35m	each	9.000	10000.001	Ten Thousand point Zero Zero One	90000.009	Ninety Thousand point Zero Zero Nine
45	68-130	68-130	Supplying pressure treated wooden fall boards/stop logs of different sizes (not less than 15cm in depth) of sal, sundari, garjan, shishu or equivalent for regulator/ sluices, including fixing in position with eye hook etc. complete as per direction of Engineer in charge.	Cum	0.250	95000.001	Ninety-Five Thousand point Zero Zero One	23750.000	Twenty-Three Thousand Seven Hundred and Fifty
46	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/ Outlet and any other works in leanest mix. 1:1.5:3 with 12mm/20mm down graded stone chips, sand of FM>=2.0 and admixture (water reducing plasticiser) @ 1.5 litre per cubic meter of concrete to attain a minimum 28 days cylinder strength of 25 N/mm² including breaking, screening, grading and washing aggregates with clear water, mixing, laying in forms, consolidating, curing including the cost of	m	63.000	3200.001	Three Thousand Two Hundred point Zero Zero One	201600.063	Two Lakh One Thousand Six Hundred point Zero Six

			<p>6mm dia M.S. work for reinforcement and form works as per approved drawing and specification including tools, plants, testing, stacking in measurable stack etc. complete as per direction of Engineer in charge.</p> <p>60-260-35: RCC Pipe : 600mm dia, wall thickness not less than 60mm, circular reinforcement 95mm c/c and longitudinal reinforcement 210mm c/c.</p>						Three
47	60-300	60-300-35	<p>Laying 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 handling, cutting, dressing, levelling, plumbing etc. complete as per design, specification and direction of Engineer in charge.</p> <p>60-300-35: 600mm dia.</p>	m	63.000	100.001	One Hundred point Zero Zero One	6300.063	Six Thousand Three Hundred point Zero Six Three
48	76-230	76-230	<p>Manufacturing, supplying, installation and fitting, fixing the vertical steel lift gate/ flap gate as per design and specification, including fabricating, rivetting, welding, fixing rubber seal, providing required nuts and bolts including the cost of all materials etc. complete with a prime coat of redoxide where necessary as per direction of Engineer in charge. (Applicable only for size not specified and smaller than size mentioned in Item code 76-240 &amp; 76-250)</p>	Kg	282.894	313.751	Three Hundred and Thirteen point Seven Five One	88758.275	Eighty-Eight Thousand Seven Hundred and Fifty-Eight point Two Seven Five



49	Approved Analysis Rate	Approved Analysis Rate	Preparation of mobilization of the site for construction of submersible embankment or other structural components in c/w`Haor Flood Management and Livelihood Improvement Project (BWDB part) as per Technical Specifications, including land lease, rental charges, obtaining permissions for work, developing work area, preparation of platform for temporary semi pucca site office (40sqm), CI sheet labor sheds (200sqm), CI sheet stores (200 sqm), supply of wooden & cane seated furniture etc. as per specified and as per Contractor's method Statement and as per direction of Engineer in Charge	sum	1.000	1050000.001	Ten Lakh Fifty Thousand point Zero Zero One	1050000.001	Ten Lakh Fifty Thousand point Zero Zero One
50	3.1/Analysis Rate	3.1/Analysis Rate	Mobilize, strengthen required land based construction equipment such as excavator, dump truck, chain dozer, vibro-compact, and plants such as generator for site electrification, digital camera for taking photographs and digital video camera for recording/Taking photograph all sequences of works etc for keeping records of the Works by providing following information including transfer to site, complete for the purposes stated in the Technical Specification and Contractor's Method Statement and as per direction of Engineer in charge	L.S	1.000	100000.001	One Lakh point Zero Zero One	100000.001	One Lakh point Zero Zero One
			Provide and maintain 1 (one) no. Engine boat with boatmen having sun and rainproof cover						

51	1.2/Analysis Rate	1.2/Analysis Rate	to facilitate supervision by the Engineer/Engineer's Representative during whole construction period of the work as per Technical Specification, Contractor's Method Statement and as per direction of Engineer in charge.	Day	60.000	2500.001	Two Thousand Five Hundred point Zero One	150000.060	One Lakh Fifty Thousand point Zero Six
52	2.1/Analysis Rate	2.1/Analysis Rate	Providing and maintaining adequate portable water supply by installing 6 Nos. of tube well and sanitation facilities by installing 6 Nos. of sanitary latrines for usage of labours, officials and others for prevailing the hygienic and healthy environment at allover the working site As per direction of the Engineer in charge.	L.S	1.000	115000.001	One Lakh Fifteen Thousand point Zero One	115000.001	One Lakh Fifteen Thousand point Zero One
53	3.2/Analysis Rate	3.2/Analysis Rate	Operate , maintain of plant and equipment such as generator for site electrification, for the purpose stated in the Technical Specification and in the Contractor's Method Statement and as per direction of Engineer in charge.	L.S	1.000	115000.001	One Lakh Fifteen Thousand point Zero One	115000.001	One Lakh Fifteen Thousand point Zero One
54	1.3/Analysis Rate	1.3/Analysis Rate	Demobilization and clean-up of the site upon completion of the works, as per Specifications and Contractor's Method Statement and as per direction of Engineer in Charge	L.S	1.000	116000.001	One Lakh Sixteen Thousand point Zero One	116000.001	One Lakh Sixteen Thousand point Zero One
55	NSI	NSI	Construction of Bill board at site with M.S. plates, flat bars, Tees etc of size 8'-0"x12'-0" including fabricating, machining, cutting, bending, welding, forging, drilling, revetting, staging and fitting, fixing, local supply of labours including the cost of materials as specification and direction of Engineer in Charge.	L.S	1.000	10000.001	Ten Thousand point Zero One	10000.001	Ten Thousand point Zero One

56	NSI	NSI.	Part Time Employment of environmental inspector for Implementation and reporting on environmental management plan provision for first aid box and medical assistant as per specification and direction of engineer in charge.	LS	1.000	250000.001	Two Lakh Fifty Thousand point Zero Zero One	250000.001	Two Lakh Fifty Thousand point Zero Zero One
							<b>Grand Total:</b>	13180166.687	One Crore Thirty- One Lakh Eighty Thousand One Hundred and Sixty-Six point Six Eight Seven

This Bill of Quantities-2 is Electronically Signed by Mr. Engr. Md. on behalf of FC-A&CO JV