

Individual Report

Tender/Proposal Detail			
Tender/Proposal ID :	233924	Invitation Reference No. :	465 date- 09/10/2018
Closing Date and Time :	15-Nov-2018 13:00	Opening Date and Time :	15-Nov-2018 13:00
Procuring Entity :	Habiganj O&M Division		
Brief :	<p>Re-sectioning of Sub-mersible embankment along the left bank of kushiyara river in between km 0.00 to km 26.00 length 7.23 km Construction of new retired embankment in between km0.00 to km 26.50 length 6.894km Re-excavation of Kairdhala khal from km 0.00 to km 1.6950 1.6950 km under Kairdhala ratna sub-project & Re-sectioning of Sub-mersible embankment along the right bank of khowai river from km 0.00 to km 16.020 16.020km Construction of new embankment from km 22.850 to km 31.210 8.360km Re-excavation of Satomukha khal from km 0.000 to km 1.7901.790km Re-excavation of Singair beel khal from km 0.000 to km 2.7202.720km under Aralia Khal Sub-project in C/W Haor Flood Management and Livelihood Improvement Project BWDB Part in Upazila- Ajmiriganj & Baniyachong District- Habiganj under Habiganj O&M Division BWDB Habiganj during the year 2018-19 & 2019-20 ./Package No BWDB/Hobi/HFMLIP/PW-02</p>		

Package No	Package Description
BWDB/Hobi/HFMLIP/PW-02	<p>Re-sectioning of Sub-mersible embankment along the left bank of kushiyara river in between km 0.00 to km 26.00 length 7.23 km Construction of new retired embankment in between km0.00 to km 26.50 length 6.894km Re-excavation of Kairdhala khal from km 0.00 to km 1.6950 1.6950 km under Kairdhala ratna sub-project & Re-sectioning of Sub-mersible embankment along the right bank of khowai river from km 0.00 to km 16.020 16.020km Construction of new embankment from km 22.850 to km 31.210 8.360km Re-excavation of Satomukha khal from km 0.000 to km 1.7901.790km Re-excavation of Singair beel khal from km 0.000 to km 2.7202.720km under Aralia Khal Sub-project in C/W Haor Flood Management and Livelihood Improvement Project BWDB Part in Upazila- Ajmiriganj & Baniyachong District- Habiganj under Habiganj O&M Division BWDB Habiganj during the year 2018-19 & 2019-20 ./Package No BWDB/Hobi/HFMLIP/PW-02</p>

HU-AS(JV) (JVCA)

Bill of Quantities: Part C-3

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)
C.21(a)	40-140	40-140-40	<p>"Manufacturing and supplying C.C. blocks in leanest mix. 1:3:6, with each 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, 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>block size 40cmx40cmx20cm.</p>	each	1530.000	389.001	Three Hundred and Eighty-Nine point Zero Zero One	595171.530	Five Lakh Ninety-Five Thousand One Hundred and Seventy-One point Five Three

C.21(b)	40-140	40-140-50	<p>"Manufacturing and supplying C.C. blocks in leanest mix. 1:3:6, with each cement, sand (FM\geq1.5) 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, 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>block size 30cmx30cmx30cm.</p>	each	5383.000	323.581	Three Hundred and Twenty-Three point Five Eight One	1741836.523	Seventeen Lakh Forty-One Thousand Eight Hundred and Thirty-Six point Five Two Three
C.22	40-220	40-220-10	<p>Labour charge for protective works in laying CC Block of different sizes including preparation of base, watering and ramming of base etc. complete as per direction of Engineer in charge. Within 200m.</p>	cum	194.300	1328.001	One Thousand Three Hundred and Twenty-Eight point Zero Zero One	258030.594	Two Lakh Fifty-Eight Thousand AND Thirty point Five Nine Four
C.23	40-600	40-600-40	<p>Supplying and placing non-woven needle punched type geotextile fabric (100% Polypropylene Fabric, unit weight : 855 Kg/m³ to 946 Kg/m³) as filter materials of elongation at maximum force machine direction (MD) \geq60% and \leq 100 % , elongation at maximum force (CMD) \geq 40% and \leq 100% ,horizontal and vertical permeability (under 2 kn/m² pressure)\geq2x10E-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% polypropylene or nylon thread) or 35cm lap in dry condition or minimum 100cm lap under water including protecting the geotextile material from UV ray and from any other damages including supply of all materials, labours, equipment?s 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 across the body of the fabric). Mass \geq400 gm/m², thickness(Under 2 kpa pressure) \geq3.00 mm, EoS\leq0.08mm, strip tensile strength \geq23 kn/m, grab strength \geq1500 N, CBR puncture resistance \geq3800 N.</p>	sqm	96.800	229.731	Two Hundred and Twenty-Nine point Seven Three One	22237.961	Twenty-Two Thousand Two Hundred and Thirty-Seven point Nine Six One
			Supply and laying dry 1st.						

C.24(a)	40-610	40-610-20	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	71.750	1385.001	One Thousand Three Hundred and Eighty-Five point Zero Zero One	99373.822	Ninety-Nine Thousand Three Hundred and Seventy-Three point Eight Two Two
C.24(b)	40-610	40-610-30	Supply 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 to 5mm size.(Combination of sub-item 10 & 30 or 20 & 30 shall be used)	cum	71.750	1790.393	One Thousand Seven Hundred and Ninety point Three Nine Three	128460.698	One Lakh Twenty-Eight Thousand Four Hundred and Sixty point Six Nine Eight
C.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. FM 1.5 to 2.0	cum	107.630	321.211	Three Hundred and Twenty-One point Two One One	34571.940	Thirty-Four Thousand Five Hundred and Seventy-One point Nine Four
C.26	44-220	44-220-10	Supplying and laying single layer polyphone 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	216.420	31.371	Thirty-One point Three Seven One	6789.312	Six Thousand Seven Hundred and Eighty-Nine point Three One Two
C.27	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), 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 U-shape, hot- rolled steel sheet pile width= 400mm to 600mm: height=> 170mm, Thickness>=15.5mm. (±0.50mm)	m.ton	16.420	199085.451	One Lakh Ninety-Nine Thousand AND Eighty-Five point Four Five One	3268983.105	Thirty-Two Lakh Sixty-Eight Thousand Nine Hundred and Eighty-Three point One Zero Five
C.28	44-270	44-270-20	Driving steel sheet piles of various sections and weights of any type of soil, sqm 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 &	sqm	123.120	1526.841	One Thousand Five Hundred and Twenty-	187984.664	One Lakh Eighty-Seven Thousand Nine Hundred and

			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. U-type or any other type : Upto 4.50 m depth.				Six point Eight Four One		Eighty-Four point Six Six Four
C.29	44-320	44-320-10	Cutting of steel sheet piles to design length and shape as per requirement in m design and drawing and as per direction of Engineer in charge. Upto 10mm thick.	m	51.830	42.781	Forty-Two point Seven Eight One	2217.339	Two Thousand Two Hundred and Seventeen point Three Three Nine
C.30	72-180	72-180	Paining 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	273.600	47.711	Forty-Seven point Seven One One	13053.730	Thirteen Thousand AND Fifty-Three point Seven Three
C.31	76-120	76-120-10	M.S. Work for reinforcement with deformed M.S. bar, fy=414 N/mm ² , (made from billet) in RCC works, including local handling, cutting, forging, bending, cleaning and fabrication with supply of deformed M.S. bar in different sizes and binding with 22 to 18 gages G.I. wire etc. complete including the cost of all materials as per direction of Engineer in charge. 8mm to 30 mm dia	kg	21440.670	117.211	One Hundred and Seventeen point Two One One	2513082.371	Twenty-Five Lakh Thirteen Thousand AND Eighty-Two point Three Seven One
							Grand Total:	8871793.589	Eighty-Eight Lakh Seventy-One Thousand Seven Hundred and Ninety-Three point Five Eight Nine

This Bill of Quantities: Part C-3 is Electronically Signed by Mr. Helal on behalf of HU-AS(JV)

Md. Anisur Rahman Chowdhury- M/s. Liberty Traders Joint Venture (JVCA)									
Bill of Quantities: Part C-3									
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)
			"Manufacturing and supplying C.C. blocks in leanest mix. 1:3:6, with each cement, sand (FM>=1.5) and Stone Chips						

C.21(a)	40-140	40-140-40	(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 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 40cmx40cmx20cm.	each	1530.000	700.001	Seven Hundred point Zero Zero One	1071001.530	Ten Lakh Seventy-One Thousand AND One point Five Three
C.21(b)	40-140	40-140-50	"Manufacturing and supplying C.C. blocks in leanest mix. 1:3:6, with each 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 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 30cmx30cmx30cm.	each	5383.000	650.001	Six Hundred and Fifty point Zero Zero One	3498955.383	Thirty-Four Lakh Ninety-Eight Thousand Nine Hundred and Fifty-Five point Three Eight Three
C.22	40-220	40-220-10	Labour charge for protective works in laying CC Block of different sizes including preparation of base, watering and ramming of base etc. complete as per direction of Engineer in charge. Within 200m.	cum	194.300	1500.001	One Thousand Five Hundred point Zero Zero One	291450.194	Two Lakh Ninety-One Thousand Four Hundred and Fifty point One Nine Four
C.23	40-600	40-600-40	Supplying and placing non-woven needle punched type geotextile fabric (100% Polypropylene Fabric, unit weight : 855 Kg/m ³ to 946 Kg/m ³) 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/m ² 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% polypropylene or nylon thread) or 35cm lap in dry condition or minimum 100cm lap under water including protecting the geotextile material from UV ray and from any other damages including supply of all materials,	sqm	96.800	250.001	Two Hundred and Fifty point Zero Zero One	24200.097	Twenty-Four Thousand Two Hundred point Zero Nine Seven

			labours, equipment's 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 across the body of the fabric). Mass =>400 gm/m², thickness(Under 2 kpa pressure) =>3.00 mm, EoS<=0.08mm, strip tensile strength =>23 kn/m, grab strength =>1500 N, CBR puncture resistance =>3800 N.						
C.24(a)	40-610	40-610-20	Supply 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	71.750	4500.001	Four Thousand Five Hundred point Zero One	322875.072	Three Lakh Twenty-Two Thousand Eight Hundred and Seventy-Five point Zero Seven Two
C.24(b)	40-610	40-610-30	Supply 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 to 5mm size.(Combination of sub-item 10 & 30 or 20 & 30 shall be used)	cum	71.750	5000.001	Five Thousand point Zero One	358750.072	Three Lakh Fifty-Eight Thousand Seven Hundred and Fifty point Zero Seven Two
C.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. FM 1.5 to 2.0	cum	107.630	700.001	Seven Hundred point Zero One	75341.108	Seventy-Five Thousand Three Hundred and Forty-One point One Zero Eight
C.26	44-220	44-220-10	Supplying and laying single layer polyphene 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	216.420	35.001	Thirty-Five point Zero One	7574.916	Seven Thousand Five Hundred and Seventy-Four point Nine One Six
		44-	Supplying at site U-shape hot rolled steel sheet pile of different section of Phosphorus=0.04%(Maximum), Sulphur = 0.04% (Maximum), Tensile strength=> 490 N/mm², Yield strength =>296 N/mm², Elongation =15% (Minimum)				Three Lakh Seventy-		Sixty-One Lakh Fifty-Seven

C.27	44-240	44-240-30	Elongation = 15% (minimum) including all taxes, freights, incidental charges etc. complete as per direction of the Engineer -in- charge U-shape, hot- rolled steel sheet pile width= 400mm to 600mm: height=> 170mm, Thickness>=15.5mm. (±0.50mm)	m.ton	16.420	375000.001	Five Thousand point Zero One	6157500.016	Seven Thousand Five Hundred point Zero One Six
C.28	44-270	44-270-20	Driving steel sheet piles of various sections and weights of any type of soil, sqm 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. U-type or any other type : Upto 4.50 m depth.	sqm	123.120	1800.001	One Thousand Eight Hundred point Zero One	221616.123	Two Lakh Twenty-One Thousand Six Hundred and Sixteen point One Two Three
C.29	44-320	44-320-10	Cutting of steel sheet piles to design length and shape as per requirement in m design and drawing and as per direction of Engineer in charge. Upto 10mm thick.	m	51.830	100.001	One Hundred point Zero One	5183.052	Five Thousand One Hundred and Eighty-Three point Zero Five Two
C.30	72-180	72-180	Paining 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	273.600	500.001	Five Hundred point Zero One	136800.274	One Lakh Thirty-Six Thousand Eight Hundred point Two Seven Four
C.31	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. 8mm to 30 mm dia	kg	21440.670	110.002	One Hundred and Ten point Zero Two	2358516.581	Twenty-Three Lakh Fifty-Eight Thousand Five Hundred and Sixteen point Five Eight One
							Grand Total:	14529764.418	One Crore Forty-Five Lakh Twenty-Nine Thousand Seven Hundred and Sixty-Four

This Bill of Quantities: Part C-3 is Electronically Signed by Mr. FM on behalf of Md. Anisur Rahman Chowdhury- M/s. Liberty Traders Joint Venture

**NOONA-HB (JV.)
(JVCA)**

Bill of Quantities: Part C-3

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)
C.21(a)	40-140	40-140-40	"Manufacturing and supplying C.C. blocks in leanest mix. 1:3:6, with each 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 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 40cmx40cmx20cm.	each	1530.000	383.175	Three Hundred and Eighty-Three point One Seven Five	586257.750	Five Lakh Eighty-Six Thousand Two Hundred and Fifty-Seven point Seven Five
C.21(b)	40-140	40-140-50	"Manufacturing and supplying C.C. blocks in leanest mix. 1:3:6, with each 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 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 30cmx30cmx30cm.	each	5383.000	318.726	Three Hundred and Eighteen point Seven Two Six	1715702.058	Seventeen Lakh Fifteen Thousand Seven Hundred and Two point Zero Five Eight
C.22	40-220	40-220-10	Labour charge for protective works in laying CC Block of different sizes including preparation of base, watering and ramming of base etc. complete as per direction of Engineer in charge. Within 200m.	cum	194.300	1308.091	One Thousand Three Hundred and Eight point Zero Nine One	254162.081	Two Lakh Fifty-Four Thousand One Hundred and Sixty-Two point Zero Eight One
			Supplying and placing non-woven needle punched type geotextile fabric (100%						

C.23	40-600	40-600-40	<p>Polypropylene Fabric, unit weight : 855 Kg/m3 to 946 Kg/m3) 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% polypropylene or nylon thread) or 35cm lap in dry condition or minimum 100cm lap under water including protecting the geotextile material from UV ray and from any other damages including supply of all materials, labours, equipment?s 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 across the body of the fabric). Mass =>400 gm/m², thickness(Under 2 kpa pressure) =>3.00 mm, EoS<=0.08mm, strip tensile strength =>23 kn/m, grab strength =>1500 N, CBR puncture resistance =>3800 N.</p>	sqm	96.800	226.284	Two Hundred and Twenty-Six point Two Eight Four	21904.291	Twenty-One Thousand Nine Hundred and Four point Two Nine One
C.24(a)	40-610	40-610-20	<p>Supply 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.</p>	cum	71.750	4112.061	Four Thousand One Hundred and Twelve point Zero Six One	295040.377	Two Lakh Ninety-Five Thousand AND Forty point Three Seven Seven
C.24(b)	40-610	40-610-30	<p>Supply 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 to 5mm size.(Combination of sub-item 10 & 30 or 20 & 30 shall be used)</p>	cum	71.750	4509.182	Four Thousand Five Hundred and Nine point One Eight Two	323533.809	Three Lakh Twenty-Three Thousand Five Hundred and Thirty-Three point Eight Zero Nine
	40	40-	<p>Supplying and laying sand as filter layers as per specific size ranges and gradation including preparation of surface,</p>				One Thousand Two Hundred		One Lakh Thirty-Two Thousand Five

C.25	44-650	650-20	compacting in layer etc. complete with supply of all materials and as per direction of Engineer in charge. FM 1.5 to 2.0	cum	107.630	1231.565	and Thirty-One point Five Six Five	132553.341	Hundred and Fifty-Three point Three Four One
C.26	44-220	44-220-10	Supplying and laying single layer polyphane 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	216.420	30.899	Thirty point Eight Nine Nine	6687.162	Six Thousand Six Hundred and Eighty-Seven point One Six Two
C.27	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), 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 U-shape, hot- rolled steel sheet pile width= 400mm to 600mm: height=> 170mm, Thickness=>15.5mm. (±0.50mm)	m.ton	16.420	105479.158	One Lakh Five Thousand Four Hundred and Seventy-Nine point One Five Eight	1731967.774	Seventeen Lakh Thirty-One Thousand Nine Hundred and Sixty-Seven point Seven Four
C.28	44-270	44-270-20	Driving steel sheet piles of various sections and weights of any type of soil, sqm 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. U-type or any other type : Upto 4.50 m depth.	sqm	123.120	1503.937	One Thousand Five Hundred and Three point Nine Three Seven	185164.723	One Lakh Eighty-Five Thousand One Hundred and Sixty-Four point Seven Two Three
C.29	44-320	44-320-10	Cutting of steel sheet piles to design length and shape as per requirement in m design and drawing and as per direction of Engineer in charge. Upto 10mm thick.	m	51.830	42.138	Forty-Two point One Three Eight	2184.013	Two Thousand One Hundred and Eighty-Four point Zero One Three
C.30	72-180	72-180	Paining 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	273.600	227.003	Two Hundred and Twenty-Seven point Zero Zero Three	62108.021	Sixty-Two Thousand One Hundred and Eight point Zero Two One
			M.S. Work for reinforcement with deformed M.S. bar, fy=414 N/mm², (made from billet) in RCC works, including						Nineteen Lakh Eighty-

C.31	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. 8mm to 30 mm dia	kg	21440.670	92.482	Ninety-Two point Four Eight Two	1982876.043	Two Thousand Eight Hundred and Seventy-Six point Zero Four Three
							Grand Total:	7300141.443	Seventy-Three Lakh One Hundred and Forty-One point Four Four Three

This Bill of Quantities: Part C-3 is Electronically Signed by Mr. MD. on behalf of NOONA-HB (JV.)