

Individual Report

Tender/Proposal Detail			
Tender/Proposal ID :	121836	Invitation Reference No. :	508 date- 20/09/17
Closing Date and Time :	09-Nov-2017 13:30	Opening Date and Time :	09-Nov-2017 13:30
Procuring Entity :	Habiganj O&M Division		
Brief :	Construction of New Regulators 4 vent1.50mX1.80m-1 no 1 vent1.50mX1.80m-5 nos and 2 vent1.50mX1.80m-1 no at Mokhar Haor in C/W Haor Flood Management and Livelihood Improvement Project BWDB Part in Upazila- Baniyachong & Nabiganj District- Habiganj under Habiganj O&M Division BWDB Habiganj during the year 2017-18 & 2018-19.		

Package No	Package Description
BWDB/Hobi/HFMLIP/PW-05	Construction of New Regulators 4 vent1.50mX1.80m-1 no 1 vent1.50mX1.80m-5 nos and 2 vent1.50mX1.80m-1 no at Mokhar Haor in C/W Haor Flood Management and Livelihood Improvement Project BWDB Part in Upazila- Baniyachong & Nabiganj District- Habiganj under Habiganj O&M Division BWDB Habiganj during the year 2017-18 & 2018-19. Package No- BWDB/Hobi/HFMLIP/PW-05

DAWN-MAMCL JV (JVCA)

BoQ-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)
21	16-520	16-520-20	Supplying and filling sand in foundation of hydraulic structures, buildings and in protective work 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. Sand of FM \geq 1.50	cum	1362.520	900.001	Nine Hundred point Zero Zero One	1226269.363	Twelve Lakh Twenty-Six Thousand Two Hundred and Sixty-Nine point Three Six Three
22	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.	cum	5326.100	650.001	Six Hundred and Fifty point	3461970.326	Thirty-Four Lakh Sixty-One Thousand Nine Hundred and

		20	complete by compactor or any other suitable method as per direction of Engineer in charge." Sand of FM \geq 1.5				Zero Zero One		and Seventy point Three Two Six
23	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." By bamboo post of 6.0m length, 60mm to 80mm dia, 20cm c/c, driven 2.0m below ground, with drum sheet walling and average 70mm dia half split bamboo batten @ 2.0m c/c fixed with nails	sqm	630.000	700.001	Seven Hundred point Zero Zero One	441000.630	Four Lakh Forty-One Thousand point Six Three
24	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. With 25mm down graded stone chips.	cum	8.880	9500.001	Nine Thousand Five Hundred point Zero Zero One	84360.009	Eighty- Four Thousand Three Hundred and Sixty point Zero Zero Nine
25	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	cum	218.480	10000.001	Ten Thousand point Zero Zero One	2184800.218	Twenty- One Lakh Eighty- Four Thousand Eight Hundred point Two One Eight

			direction of Engineer in charge. With 25mm down graded stone chips.						
26	28-200	28-200-10	Reinforcement 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. 20 mm down graded stone chips	cum	1727.790	11500.001	Eleven Thousand Five Hundred point Zero One	19869586.728	One Crore Ninety-Eight Lakh Sixty-Nine Thousand Five Hundred and Eighty-Six point Seven Two Eight
27(a)	36-150	36-150-10	Form work for centering & water tight shuttering as per drawing with 14 BWG M.S. sheet, fitted and fixed with 40mm x 40mm x 6mm M.S. angle frame and 25mm x 6mm F.I. bar stiffener with necessary/fabrication, welding, making the forms including fitting, fixing of steel forms with necessary ties, battens, struts, nuts & bolts, props etc. as per desired shape and size including leveling and removing the forms after specified period including the cost of all materials as per direction of Engineer in charge. Vertical and inclined walls, columns, piers with 60-80mm dia barrack bamboo props.	sqm	4163.720	800.001	Eight Hundred point Zero One	3330980.164	Thirty-Three Lakh Thirty Thousand Nine Hundred and Eighty point One Six Four
			Form work for centering & water tight shuttering as per						

27(b)	36-150	36-150-20	<p>drawing with 14 BWG M.S. sheet, fitted and fixed with 40mm x 40mm x 6mm M.S. angle frame and 25mm x 6mm F.I. bar stiffener with necessary/fabrication, welding, making the forms including fitting, fixing of steel forms with necessary ties, battens, struts, nuts & bolts, props etc. as per desired shape and size including leveling and removing the forms after specified period including the cost of all materials as per direction of Engineer in charge.</p> <p>Deck slab, operating deck slab, top slab of barrel upto 3.5m height with 60-80mm dia barrack bamboo props</p>	sqm	111.120	850.001	Eight Hundred and Fifty point Zero One	94452.111	Ninety-Four Thousand Four Hundred and Fifty-Two point One One One
27(c)	36-150	36-150-30	<p>Form work for centering & water tight shuttering as per drawing with 14 BWG M.S. sheet, fitted and fixed with 40mm x 40mm x 6mm M.S. angle frame and 25mm x 6mm F.I. bar stiffener with necessary/fabrication, welding, making the forms including fitting, fixing of steel forms with necessary ties, battens, struts, nuts & bolts, props etc. as per desired shape and size including leveling and removing the forms after specified period including the cost of all materials as per direction of Engineer in charge.</p> <p>Deck slab, operating deck slab, top slab of barrel above 3.5m upto 6.5m height with 50mm dia GI pipe props.</p>	sqm	69.940	1200.001	One Thousand Two Hundred point Zero One	83928.070	Eighty-Three Thousand Nine Hundred and Twenty-Eight point Zero Seven
			Form work for centering & water tight shuttering as per drawing with 14 BWG M.S. sheet,						

27(d)	36-150	36-150-60	fitted and fixed with 40mm x 40mm x 6mm M.S. angle frame and 25mm x 6mm F.I. bar stiffener with necessary/fabrication, welding, making the forms including fitting, fixing of steel forms with necessary ties, battens, struts, nuts & bolts, props etc. as per desired shape and size including leveling and removing the forms after specified period including the cost of all materials as per direction of Engineer in charge. Footing, Footing beams, grade beams., foundation slab with 60-80mm dia barrack bamboo props.	sqm	908.550	650.001	Six Hundred and Fifty point Zero One	590558.409	Five Lakh Ninety Thousand Five Hundred and Fifty-Eight point Four Zero Nine
28(a)	40-140	40-140-50	Manufacturing and supplying C.C. Block in leanest mix. 1:3:6, with cement, sand (FM>=1.5) and Stone Chips (40mm down grades), to attain a minimum 28 days cylinder strength of 9.0N/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	43735.000	360.001	Three Hundred and Sixty point Zero One	15744643.735	One Crore Fifty-Seven Lakh Forty-Four Thousand Six Hundred and Forty-Three point Seven Three Five
			Manufacturing and supplying C.C. Block in leanest mix. 1:3:6, with cement, sand (FM>=1.5) and Stone Chips (40mm down grades), to attain a minimum 28 days cylinder strength of 9.0N/mm ² including grading, washing Stone chips, mixing,				One Hundred		One Crore Eleven Lakh Forty One

28(b)	40-140	40-140-55	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 30cmx30cmx15cm.	each	63666.000	175.001	and Seventy-Five point Zero Zero One	11141613.666	Forty-One Thousand Six Hundred and Thirteen point Six Six Six
29(a)	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	1020.170	1050.001	One Thousand AND Fifty point Zero Zero One	1071179.520	Ten Lakh Seventy-One Thousand One Hundred and Seventy-Nine point Five Two
29(b)	40-220	40-220-20	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. Beyond 200 m.	cum	1020.170	1700.001	One Thousand Seven Hundred point Zero Zero One	1734290.020	Seventeen Lakh Thirty-Four Thousand Two Hundred and Ninety point Zero Two
			"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/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% polypropeline or nylon thread) or				One		Forty-Two Lakh Seventy-One Thousand

30	40-600	40-600-20	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, 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)." "Mass =>300 gm/m ² , thickness(Under 2 kpa pressure) =>2.00mm, EoS<=0.11mm, strip tensile strength =>15kn/m, grab strength =>850N, CBR puncture resistance =>2200N."	sqm	28475.000	150.001	Hundred and Fifty point Zero Zero One	4271278.475	Thousand Two Hundred and Seventy-Eight point Four Seven Five
							Grand Total:	65330911.444	Six Crore Fifty-Three Lakh Thirty Thousand Nine Hundred and Eleven point Four Four

This BoQ-3 is Electronically Signed by Mr. Md. on behalf of DAWN-MAMCL JV

M/S. Hassan & Brothers									
BoQ-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)
			Supplying and filling sand in foundation of hydraulic strcutures, buildings and in protective work with selected sand, in 150mm thick layer, including levelling,				Eight Hundred and		Eleven Lakh Forty-Nine Thousand

21	16-520	16-520-20	dressing, ramming, watering etc. complete (compacted to 50% relative density by manual labour using mallet/vibro compactor) as per direction of Engineer in charge. Sand of FM ≥ 1.50	cum	1362.520	844.001	and Forty-Four point Zero One	1149968.243	Thousand Nine Hundred and Sixty-Eight point Two Four Three
22	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." Sand of FM ≥ 1.5	cum	5326.100	613.001	Six Hundred and Thirteen point Zero One	3264904.626	Thirty-Two Lakh Sixty-Four Thousand Nine Hundred and Four point Six Two Six
23	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." By bamboo post of 6.0m length, 60mm to 80mm dia, 20cm c/c, driven 2.0m below ground, with drum sheet walling and average 70mm dia half split bamboo batten @ 2.0m c/c fixed with nails	sqm	630.000	756.001	Seven Hundred and Fifty-Six point Zero One	476280.630	Four Lakh Seventy-Six Thousand Two Hundred and Eighty point Six Three
24	28-100	28-100-20	Cement concrete work in leanest mix. 1:4:8 with sand of FM ≥ 1.5 , in foundation or floor including breaking, screening, grading and washing, aggregates with clear water, mixing, laying in position, consolidation to levels, curing, including supply of all materials, excluding the cost of formworks etc. complete as per direction of Engineer in charge.	cum	8.880	11000.001	Eleven Thousand point Zero One	97680.009	Ninety-Seven Thousand Six Hundred and Eighty point Zero Nine

			With 25mm down graded stone chips.						
25	28-120	28-120-20	Cement concrete work in leanest mix. 1:3:6 with sand of FM ≥ 1.5 , in foundation or floor including breaking, screening, grading and washing, aggregates with clear water, mixing, laying in position, consolidation to levels, curing, including supply of all materials, excluding the cost of formworks etc. complete as per direction of Engineer in charge. With 25mm down graded stone chips.	cum	218.480	12000.001	Twelve Thousand point Zero Zero One	2621760.218	Twenty-Six Lakh Twenty-One Thousand Seven Hundred and Sixty point Two One Eight
26	28-200	28-200-10	Reinforcement 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. 20 mm down graded stone chips	cum	1727.790	13185.001	Thirteen Thousand One Hundred and Eighty-Five point Zero Zero One	22780912.878	Two Crore Twenty-Seven Lakh Eighty Thousand Nine Hundred and Twelve point Eight Seven Eight
		26	Form work for centering & water tight shuttering as per drawing with 14 BWG M.S. sheet, fitted and fixed with 40mm x 40mm x 6mm M.S. angle frame and 25mm x 6mm F.I. bar stiffener with necessary/fabrication, welding, making the forms including fitting, fixing of steel forms with necessary tie				Nine Hundred		Thirty-Nine Lakh Seventy-Six Thousand

27(a)	36-150	36-150-10	with necessary ties, battens, struts, nuts & bolts, props etc. as per desired shape and size including leveling and removing the forms after specified period including the cost of all materials as per direction of Engineer in charge. Vertical and inclined walls, columns, piers with 60-80mm dia barrack bamboo props.	sqm	4163.720	955.001	and Fifty-Five point Zero Zero One	3976356.764	Thousand Three Hundred and Fifty-Six point Seven Six Four
27(b)	36-150	36-150-20	Form work for centering & water tight shuttering as per drawing with 14 BWG M.S. sheet, fitted and fixed with 40mm x 40mm x 6mm M.S. angle frame and 25mm x 6mm F.I. bar stiffener with necessary/fabrication, welding, making the forms including fitting, fixing of steel forms with necessary ties, battens, struts, nuts & bolts, props etc. as per desired shape and size including leveling and removing the forms after specified period including the cost of all materials as per direction of Engineer in charge. Deck slab, operating deck slab, top slab of barrel upto 3.5m height with 60-80mm dia barrack bamboo props	sqm	111.120	970.001	Nine Hundred and Seventy point Zero Zero One	107786.511	One Lakh Seven Thousand Seven Hundred and Eighty-Six point Five One One
27(c)	36-150	36-150-30	Form work for centering & water tight shuttering as per drawing with 14 BWG M.S. sheet, fitted and fixed with 40mm x 40mm x 6mm M.S. angle frame and 25mm x 6mm F.I. bar stiffener with necessary/fabrication, welding, making the forms including fitting, fixing of steel forms with necessary ties, battens, struts, nuts & bolts, props etc. as per desired shape	sqm	69.940	1400.001	One Thousand Four Hundred point	97916.070	Ninety-Seven Thousand Nine Hundred and

			per desired shape and size including leveling and removing the forms after specified period including the cost of all materials as per direction of Engineer in charge. Deck slab, operating deck slab, top slab of barrel above 3.5m upto 6.5m height with 50mm dia GI pipe props.				Zero Zero One		Sixteen point Zero Seven
27(d)	36-150	36-150-60	Form work for centering & water tight shuttering as per drawing with 14 BWG M.S. sheet, fitted and fixed with 40mm x 40mm x 6mm M.S. angle frame and 25mm x 6mm F.I. bar stiffener with necessary/fabrication, welding, making the forms including fitting, fixing of steel forms with necessary ties, battens, struts, nuts & bolts, props etc. as per desired shape and size including leveling and removing the forms after specified period including the cost of all materials as per direction of Engineer in charge. Footing, Footing beams, grade beams., foundation slab with 60-80mm dia barrack bamboo props.	sqm	908.550	770.001	Seven Hundred and Seventy point Zero Zero One	699584.409	Six Lakh Ninety- Nine Thousand Five Hundred and Eighty- Four point Four Zero Nine
28(a)	40-140	40-140-50	Manufacturing and supplying C.C. Block in leanest mix. 1:3:6, with cement, sand (FM>=1.5) and Stone Chips (40mm down grades), to attain a minimum 28 days cylinder strength of 9.0N/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	each	43735.000	344.001	Three Hundred and Forty- Four point Zero Zero One	15044883.735	One Crore Fifty Lakh Forty- Four Thousand Eight Hundred and Eighty- Three point Seven Three

			including supply of all materials (steel shutter to be used) as per direction of Engineer in charge. block size 30cmx30cmx30cm						Five
28(b)	40-140	40-140-55	Manufacturing and supplying C.C. Block in leanest mix. 1:3:6, with cement, sand (FM>=1.5) and Stone Chips (40mm down grades), to attain a minimum 28 days cylinder strength of 9.0N/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 30cmx30cmx15cm.	each	63666.000	172.001	One Hundred and Seventy-Two point Zero One	10950615.666	One Crore Nine Lakh Fifty Thousand Six Hundred and Fifteen point Six Six Six
29(a)	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	1020.170	940.001	Nine Hundred and Forty point Zero One	958960.820	Nine Lakh Fifty-Eight Thousand Nine Hundred and Sixty point Eight Two
29(b)	40-220	40-220-20	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. Beyond 200 m.	cum	1020.170	1670.001	One Thousand Six Hundred and Seventy point Zero One	1703684.920	Seventeen Lakh Three Thousand Six Hundred and Eighty-Four point Nine Two
			"Supplying and placing non-woven needle punched type geotextile fabric as filter materials of elongation at maximum force machine direction (MD) >=60% and <=						

30	40-600	40-600-20	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% polypropeline 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, 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)." "Mass =>300 gm/m ² , thickness(Under 2 kpa pressure) =>2.00mm, EoS<=0.11mm, strip tensile strength =>15kn/m, grab strength =>850N, CBR puncture resistance =>2200N."	sqm	28475.000	155.001	One Hundred and Fifty-Five point Zero One	4413653.475	Forty-Four Lakh Thirteen Thousand Six Hundred and Fifty-Three point Four Seven Five
							Grand Total:	68344948.974	Six Crore Eighty-Three Lakh Forty-Four Thousand Nine Hundred and Forty-Eight point Nine Seven Four

M/S. Md. Jamil Iqbal
(Sub Contracting/Consultancy)

BoQ-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)
21	16-520	16-520-20	Supplying and filling sand in foundation of hydraulic structures, buildings and in protective work 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. Sand of FM ≥ 1.50	cum	1362.520	1055.901	One Thousand AND Fifty-Five point Nine Zero One	1438686.231	Fourteen Lakh Thirty-Eight Thousand Six Hundred and Eighty-Six point Two Three One
22	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." Sand of FM ≥ 1.5	cum	5326.100	766.921	Seven Hundred and Sixty-Six point Nine Two One	4084697.938	Forty Lakh Eighty-Four Thousand Six Hundred and Ninety-Seven point Nine Three Eight
23	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." By bamboo post of 6.0m length, 60mm to 80mm dia, 20cm c/c, driven 2.0m below ground, with drum sheet walling and	sqm	630.000	756.651	Seven Hundred and Fifty-Six point Six Five One	476690.130	Four Lakh Seventy-Six Thousand Six Hundred and Ninety point One Three

			average 70mm dia half split bamboo batten @ 2.0m c/c fixed with nails						
24	28-100	28-100-20	Cement concrete work in leanest mix. 1:4:8 with sand of FM ≥ 1.5 , in foundation or floor including breaking, screening, grading and washing, aggregates with clear water, mixing, laying in position, consolidation to levels, curing, including supply of all materials, excluding the cost of formworks etc. complete as per direction of Engineer in charge. With 25mm down graded stone chips.	cum	8.880	11000.001	Eleven Thousand point Zero Zero One	97680.009	Ninety-Seven Thousand Six Hundred and Eighty point Zero Zero Nine
25	28-120	28-120-20	Cement concrete work in leanest mix. 1:3:6 with sand of FM ≥ 1.5 , in foundation or floor including breaking, screening, grading and washing, aggregates with clear water, mixing, laying in position, consolidation to levels, curing, including supply of all materials, excluding the cost of formworks etc. complete as per direction of Engineer in charge. With 25mm down graded stone chips.	cum	218.480	12000.001	Twelve Thousand point Zero Zero One	2621760.218	Twenty-Six Lakh Twenty-One Thousand Seven Hundred and Sixty point Two One Eight
26	28-200	28-200-10	Reinforcement 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	cum	1727.790	16000.001	Sixteen Thousand point Zero Zero One	27644641.728	Two Crore Seventy-Six Lakh Forty-Four Thousand Six Hundred and Forty-One point Seven

			materials, excluding cost of M.S work for reinforcements and formworks etc. complete and as per direction of Engineer in Charge. 20 mm down graded stone chips						Two Eight
27(a)	36-150	36-150-10	Form work for centering & water tight shuttering as per drawing with 14 BWG M.S. sheet, fitted and fixed with 40mm x 40mm x 6mm M.S. angle frame and 25mm x 6mm F.I. bar stiffener with necessary/fabrication, welding, making the forms including fitting, fixing of steel forms with necessary ties, battens, struts, nuts & bolts, props etc. as per desired shape and size including leveling and removing the forms after specified period including the cost of all materials as per direction of Engineer in charge. Vertical and inclined walls, columns, piers with 60-80mm dia barrack bamboo props.	sqm	4163.720	700.001	Seven Hundred point Zero One	2914608.164	Twenty-Nine Lakh Fourteen Thousand Six Hundred and Eight point One Six Four
27(b)	36-150	36-150-20	Form work for centering & water tight shuttering as per drawing with 14 BWG M.S. sheet, fitted and fixed with 40mm x 40mm x 6mm M.S. angle frame and 25mm x 6mm F.I. bar stiffener with necessary/fabrication, welding, making the forms including fitting, fixing of steel forms with necessary ties, battens, struts, nuts & bolts, props etc. as per desired shape and size including leveling and removing the forms after specified period including the cost of all materials as per direction of Engineer in charge. Deck slab, operating	sqm	111.120	970.301	Nine Hundred and Seventy point Three Zero One	107819.847	One Lakh Seven Thousand Eight Hundred and Nineteen point Eight Four Seven

			deck slab, top slab of barrel upto 3.5m height with 60-80mm dia barrack bamboo props						
27(c)	36-150	36-150-30	<p>Form work for centering & water tight shuttering as per drawing with 14 BWG M.S. sheet, fitted and fixed with 40mm x 40mm x 6mm M.S. angle frame and 25mm x 6mm F.I. bar stiffener with necessary/fabrication, welding, making the forms including fitting, fixing of steel forms with necessary ties, battens, struts, nuts & bolts, props etc. as per desired shape and size including leveling and removing the forms after specified period including the cost of all materials as per direction of Engineer in charge.</p> <p>Deck slab, operating deck slab, top slab of barrel above 3.5m upto 6.5m height with 50mm dia GI pipe props.</p>	sqm	69.940	1404.901	One Thousand Four Hundred and Four point Nine Zero One	98258.776	Ninety-Eight Thousand Two Hundred and Fifty-Eight point Seven Seven Six
27(d)	36-150	36-150-60	<p>Form work for centering & water tight shuttering as per drawing with 14 BWG M.S. sheet, fitted and fixed with 40mm x 40mm x 6mm M.S. angle frame and 25mm x 6mm F.I. bar stiffener with necessary/fabrication, welding, making the forms including fitting, fixing of steel forms with necessary ties, battens, struts, nuts & bolts, props etc. as per desired shape and size including leveling and removing the forms after specified period including the cost of all materials as per direction of Engineer in charge.</p> <p>Footings, Footing beams, grade beams, foundation</p>	sqm	908.550	570.001	Five Hundred and Seventy point Zero One	517874.409	Five Lakh Seventeen Thousand Eight Hundred and Seventy-Four point Four Zero Nine

			slab with 60-80mm dia barrack bamboo props.						
28(a)	40-140	40-140-50	Manufacturing and supplying C.C. Block in leanest mix. 1:3:6, with cement, sand (FM>=1.5) and Stone Chips (40mm down grades), to attain a minimum 28 days cylinder strength of 9.0N/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. block size 30cmx30cmx30cm	each	43735.000	350.001	Three Hundred and Fifty point Zero One	15307293.735	One Crore Fifty-Three Lakh Seven Thousand Two Hundred and Ninety-Three point Seven Three Five
28(b)	40-140	40-140-55	Manufacturing and supplying C.C. Block in leanest mix. 1:3:6, with cement, sand (FM>=1.5) and Stone Chips (40mm down grades), to attain a minimum 28 days cylinder strength of 9.0N/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. block size 30cmx30cmx15cm.	each	63666.000	185.001	One Hundred and Eighty-Five point Zero One	11778273.666	One Crore Seventeen Lakh Seventy-Eight Thousand Two Hundred and Seventy-Three point Six Six Six
29(a)	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	cum	1020.170	750.001	Seven Hundred and Fifty point Zero One	765128.520	Seven Lakh Sixty-Five Thousand One Hundred and Twenty-

			direction of Engineer in charge. Within 200m						Eight point Five Two
29(b)	40-220	40-220-20	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. Beyond 200 m.	cum	1020.170	1250.001	One Thousand Two Hundred and Fifty point Zero One	1275213.520	Twelve Lakh Seventy-Five Thousand Two Hundred and Thirteen point Five Two
30	40-600	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 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)." "Mass =>300 gm/m², thickness(Under 2	sqm	28475.000	120.001	One Hundred and Twenty point Zero One	3417028.475	Thirty-Four Lakh Seventeen Thousand AND Twenty-Eight point Four Seven Five

			kpa pressure) =>2.00mm, EoS<=0.11mm, strip tensile strength =>15kn/m, grab strength =>850N, CBR puncture resistance =>2200N."						
								Grand Total:	72545655.366
									Seven Crore Twenty- Five Lakh Forty-Five Thousand Six Hundred and Fifty- Five point Three Six Six

This BoQ-3 is Electronically Signed by Mr. Md Iqbal on behalf of M/S. Md. Jamil Iqbal