

Package #: CH0009

Package Title: Construction of North and South Dams

Bid Normalisation

Bidder: 03

	Manhours	Labour	Materials	Equipment	Other	OH&P	Balance	Total	check
Alternative	1,449,158	173,742,539	59,758,164	106,867,471	-	-		340,368,175	340,368,175
Base Proposal As Bid	1,352,260	152,975,859	58,509,295	97,216,266	-	-		308,701,420	308,701,420
Alternative delta	96,897	20,766,681	1,248,869	9,651,205	-	-	-	31,666,755	31,666,755

Base Alternative
308,701,420 340,368,175

Bidder Commercial Exceptions

1	LOC & PCG deleted. Bonds provided in lieu	-	-
2	10% Warranty Bond in lieu of 50% Performance Bond	120,000	120,000
3	250k deductible in lieu of 2.5M	175,000	175,000
4	Delete LDs	2,315,261	2,315,261
5	Icing damage Exclusion	-	-
6	Unit Price Adjustment if quantities vary +10%	1,000,799	1,000,799
7	Holdback release	-	-
8	Financing	127,500	127,500
9	Revise uplift on Reimbursable Work by 33% on Labour & 10% on Materials	1,830,671	1,830,671
10	Travel on PEMs & A&D Testing	-	-

Bidder Technical Exceptions

1	Company responsible for design & info provided to Contractor in a timely manner.	-	-
2	Proposal based on River Closure data of 2560m3/s & at May end.	-	-
3	All temporary power by Company. Any generator use by Contractor is additional.	-	-
4	Relocation of existing services on Tailrace Rock Plug by Company at no cost to Contractor	-	-
5	Speed Limit reductions excluded from price.	-	-
6	Vehicle delivery escorts excluded.	-	-
7	Proposal based on use of existing Transmission ROW for Crushing & Concrete Plants.	-	-
8	No provision for Site external transport of Temporary Bridge. Note- wording slightly different in Execution Plan.	-	-
9	Verticality of Existing RCC face after partial removal is excluded	50,000	50,000

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Bidder: 03

		Manhours	Labour	Materials	Equipment	Other	OH&P	Balance	Total	check
10	Vehicle wash stations at site entrance/exit points excluded.							-	-	
11	Removal of boulders in jet grouting operations excluded.							-	-	
12	Disposal of dried cement bentonite waste is to the spoil disposal area.							-	-	
13	Construction of additional sedimentation ponds excluded.							-	-	
14	All Zone 3 material & Dumped Rocks paid by Tonne in lieu of M3.							-	-	
15	Risk of insufficient stockpile & pit quantities excluded.							-	-	
16	Approved Compactable Material is rockfill available from Company Stockpiles.							-	-	
17	Borrow Pit Development - grubbing cast to the side and spread & levelled upon completion - hydroseeding excluded.							-	-	
18	Sufficient rock available from Company designated sources - blasting excluded on rock borrow.							-	-	
19	All crushing in 2015 - plant demobilised in 2015. Additional crushing after demobilisation - additional cost.							-	-	
20	Electronic detonators excluded.							-	-	
21	Standard level of foundation cleaning on North Dam. Dental concrete placed to provide stable base paid by Company. See also item 22.							-	-	
22	Dental concrete formwork is excluded.							-	-	
23	Dental concrete by hand/by machine ratio 10/90. Variance to be compensated by Company.							100,000	100,000	
24	Contact grouting is excluded.							-	-	
25	RCC unit price includes for all formwork associated with RCC.							-	-	
26	RCC warm joints - right section of Table (>1500 m3) will apply for all layers irrespective of volume.							-	-	
27	Special Environmental disposal of cooling system ammonia excluded.							-	-	
28	All QA/QC testing by Company incl. lab; fill compaction; CVC & RCC testing.							-	-	

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Bid Normalisation

Bidder: 03

Manhours	Labour	Materials	Equipment	Other	OH&P	Balance	Total
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check

Company Technical Exceptions

1	Laydown identified by Contractor is larger than area designated by Company	-	-	-	-	-	-
2	Dewatering capacity is below the Technical Requirement	-	-	-	-	-	-
3	Controlled blasting for removal of existing RCC dam is not included.	-	-	-	-	-	-
4	Bubble curtain not included.	-	-	-	-	-	-
5	Processing of Till from TD7 is not identified.	-	-	-	-	-	-
6	Waste water treatment is not included in price item	-	-	-	-	-	-
7	Foundation prep - Rock Excavation - blasting - excluded.	-	-	-	-	-	-
8	Crane pad & working platform removal in Downstream North Dam is excluded.	-	-	-	-	-	-
9	No contingency in Contractor schedule.	-	-	-	-	-	-
10	Access to site - borrow haul using shared access - delay claim.	-	-	-	-	-	-
11	Sedimentation Pond for river work after headpond at 25m.	-	-	-	-	-	-
12	RCC - Stepped lay method.	-	-	-	-	-	-

Normalised Bid

314,420,650	346,087,405
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Base Alternative

LOWER CHURCHILL PROJECT MUSKRAT FALLS CH0009 - CONSTRUCTION OF NORTH AND SOUTH DAMS				SCHEDULE OF PRICE BREAKDOWN										APPENDIX A2.1 Rev. B2													
ISSUED FOR: BID DATE: 14 - Oct - 2014				BIDDER'S NAME: Bidder 3 - Alternative used as Base Bid																							
PRICE ITEM		WBS CODE		PRICE ITEM DESCRIPTION	UNIT OF MEASURE	ESTIMATE D QUANTITY	MAN HOURS (AT SITE)	Extended M/H	MANPOWER COST/UNIT (\$ CAN)	Extended Labour Cost	MATERIALS COST/UNIT (\$ CAN)	Extended Material Cost	EQUIPMENT COST/UNIT (\$ CAN)	Extended Equipment Cost	Other Cost/Unit F	Extended Other	PROFIT COST/UNIT (\$ CAN)	Extended OH&P	UNIT PRICE (\$ CAN) F _u = (B+C+D+E +F)	Check Total	TOTAL PRICE (\$ CAN) G= A x F						
No	REFERENCE Exhibit 2- AIT 1	CODE	SUBCODE																								
156	5.1.4		3120.04	Grouted Rock Bolts Type A	unit	70	19.20	1,344	2,200.74	154,052	1,076.35	75,345	522.91	36,604		-	-	-	3,800.00	266,000	266,000						
157	5.1.5		3120.05	Grouted Rock Bolts Type C	unit	20	35.20	704	4,014.21	80,284	1,984.15	39,683	951.65	19,033		-	-	-	6,950.01	139,000	139,000						
158	5.1.6		3120.06	Chain Link Wire Mesh - Installation	m ²	2,500	0.25	625	28.46	71,150	15.58	38,950	6.95	17,375		-	-	-	50.99	127,475	127,475						
159	5.1.7		3120.07	Chain Link Wire Mesh - Removal	m ²	20,300	0.05	1,015	5.77	117,131	-	-	2.23	45,269		-	-	-	8.00	162,400	162,400						
160	5.1.8		3120.08	Existing Temporary Safety Fence - Removal	m	1,200	0.39	468	44.68	53,616	-	-	17.32	20,784		-	-	-	62.00	74,400	74,400						
SUB-TOTAL TAILRACE								37,416		4,933,453		1,383,078		5,143,085						11,459,615	11,459,615						
6 1100				Borrow Areas																							
6.1 1117.00				Borrowed Construction Material																							
161	6.1.1		3120.01	Overhaul of Borrowed Construction Material (rate only)	m ³ /km	1													1.50	-	1.24						
ROW A					Calculated Total of Lump Sum and Unit Price Items (Based on Approximate Quantities)						1,449,158		173,742,539		59,758,164		106,867,471				340,368,175	340,368,175					
					Total Price						914,202																
					Add Craft Travel																						
					Revised Total Price																						340,368,175

NOTES

Note 1: If there has been an error in the calculation to establish the total of Column G (Total Price) or Column F (UNIT PRICE), then the figures of column A (Estimated Quantity of Units), column B (Man Hours), column C (Manpower), column D (Equipment) and column E (Profits) will prevail.

Note 2: This Document is provided to the bidders in Native Excel File format. It is the bidders responsibility to verify cell formats and formulas.

Note 3: Bidders shall not include any HST/GST from any source (whether from Bidder, subcontractor, vendors or suppliers) in the unit and lump sum prices in this Schedule of Price Breakdown. Bidders shall claim input tax credits on taxable supplies received from vendors, suppliers and subcontractors and thereof Bidders shall exclude HST/GST payable to the vendors, suppliers and

FOR THE LOWER CHURCHILL PROJECT - MUSKRAT FALLS

This Appendix forms part of the Proposal submitted by:

Name of Bidder: _____

Request For Proposal, Package No: CH0009

Signature: _____

Date of Proposal: DD-MMM-YYYY

LOWER CHURCHILL PROJECT MUSKRAT FALLS				SCHEDULE OF PRICE BREAKDOWN										APPENDIX A2.1 Rev. B2											
CH0009 - CONSTRUCTION OF NORTH AND SOUTH DAMS				ISSUED FOR: BID DATE: 14 - Oct - 2014		BIDDER'S NAME: Bidder 3 - Alternative - No RCC Conveyors																			
PRICE ITEM		WBS CODE		PRICE ITEM DESCRIPTION	UNIT OF MEASURE	ESTIMATE D QUANTITY A	MAN HOURS (AT SITE) PER UNIT	Extended M/H	MANPOWER COST/UNIT (\$ CAN) B	Extended Labour Cost	MATERIALS COST/UNIT (\$ CAN) C	Extended Material Cost	EQUIPMENT COST/UNIT (\$ CAN) D	Extended Equipment Cost	Other Cost/Unit F	Extended Other	PROFIT COST/UNIT (\$ CAN) E	Extended OH&P	UNIT PRICE (\$ CAN) F= (B+C+D+E +F)	Check Total	TOTAL PRICE (\$ CAN) G= A x F				
No	REFERENCE Exhibit 2 - ATT 1	CODE	SUBCODE																						
137	4.5.33		2320.33	Conventional Vibrated Concrete (North Abutment Crest Surface and Training Wall)	m ³	270	6.16	1,663	900.41	243,111	310.20	83,754	164.40	44,388	-	-	-	-	1,375.01	371,253	371,253				
138	4.5.34		2320.34	Increase or decrease in quantity of cement - Bid Mix (rate only)	Kg	N/A													0.44	-	-				
139	4.5.35		2320.35	Increase or decrease in quantity of flyash - Bid Mix (rate only)	Kg	N/A													0.41	-	-				
140	4.5.36		2320.36	Increase or decrease in quantity of cement - Source B (rate only)	Kg	N/A													0.50	-	-				
141	4.5.37		2320.37	Increase or decrease in quantity of flyash - Source B (rate only)	Kg	N/A													0.50	-	-				
142	4.5.38		2320.38	Air-entraining Admixture	litre	315,000		-	-	-	4.30	1,354,500							4.30	1,354,500	1,354,500				
143	4.5.39		2320.39	Retarder Admixture	litre	336,000		-	-	-	4.70	1,579,200							4.70	1,579,200	1,579,200				
144	4.5.40		2320.40	Precast Concrete	m ³	1,150	2.75	3,163	292.62	336,513	1,692	1,945,731	115.45	132,768					2,100.01	2,415,012	2,415,012				
145	4.5.41		2320.41	Gallery Floor CVC Concrete	m ³	275	13.55	3,726	1,838.12	505,483	366.82	100,876	295.06	81,142					2,500.00	687,500	687,500				
146	4.5.42		2320.42	Steel Reinforcement	kg	500,000	0.02	10,000	4.87	2,435,000	2.73	1,365,000	0.40	200,000					8.00	4,000,000	4,000,000				
147	4.5.43		2320.43	Steel Guardrails	kg	5,200	0.30	1,560	34.93	181,636	6.33	32,916	2.24	11,648					43.50	226,200	226,200				
148	4.5.44		2320.44	Waterstop	m	1,350	1.50	2,025	168.85	227,948	21.15	28,553							190.00	256,500	256,500				
4.6	2370	NORTH DAM - Auxiliary Services																							
ELECTRICAL WORK																									
149	4.6.1		2370.01	Exothermic Connections	unit	20	8.00	160	862.50	17,250	287.50	5,750							1,150.00	23,000	23,000				
150	4.6.2		2370.02	Bare, Stranded, Medium Hard-Drawn Copper Conductor, size 500 kcmil	m	815	0.85	693	92.00	74,980	23.00	18,745							115.00	93,725	93,725				
151	4.6.3		2370.03	Bare, Stranded, Medium Hard-Drawn Copper Conductor, size 4/0 AWG	m	16	0.80	13	86.25	1,380	28.75	460							115.00	1,840	1,840				
152	4.6.4		2370.04	Embedded Copper Grounding Plates	unit	7	0.30	2	35.00	245	315.00	2,205							350.00	2,450	2,450				
SUB-TOTAL NORTH DAM								587,301		69,553,180		37,511,841		25,756,013						132,821,034	132,821,034				
Variance is in Unit Rate only in Bidder Total																									
5	3100	Powerhouse Channels																							
5.1	3120.00	Tailrace																							
CIVIL WORK																									
Tailrace Rock Plug - Overburden Excavation																									
153	5.1.1		3120.01	Overburden Excavation, excluding excavation of Cofferdam 3 - Dry Conditions	m ³	12,000	0.08	960	9.34	112,080	-	-	12.66	151,920					22.00	264,000	264,000				
Tailrace Rock Plug - Rock Excavation																									
154	5.1.2		3120.02	Tailrace Rock Plug Excavation including access ramp to powerhouse - Dry Conditions	m ³	170,000	0.11	18,700	16.48	2,801,600	3.71	630,700	19.01	3,231,700					39.20	6,664,000	6,664,000				
155	5.1.3		3120.03	Tailrace Rock Plug - Underwater Excavation	m ³	34,000	0.40	13,600	43.26	1,470,840	21.75	739,500	44.99	1,529,660					110.00	3,740,000	3,740,000				
Tailrace Rock Plug - Stabilization and Rock Surface Protection																									
156	5.1.4		3120.04	Grouted Rock Bolts Type A	unit	70	19.21	1,345	2,142.83	149,998	1,048.03	73,362	509.15	35,641					3,700.01	259,001	259,001				
157	5.1.5		3120.05	Grouted Rock Bolts Type C	unit	20	35.20	704	3,927.57	78,551	1,941.33	38,827	931.10	18,622					6,800.00	136,000	136,000				
158	5.1.6		3120.06	Chain Link Wire Mesh - Installation	m ²	2,500	0.25	625	27.91	69,775	15.28	38,200	6.81	17,025					90.00	125,000	125,000				
159	5.1.7		3120.07	Chain Link Wire Mesh - Removal	m ²	20,300	0.05	1,015	5.77	117,131	-	-	2.23	45,269					8.00	162,400	162,400				
160	5.1.8		3120.08	Existing Temporary Safety Fence - Removal	m	1,200	0.39	468	43.96	52,752	-	-	17.04	20,448					61.00	73,200	73,200				
SUB-TOTAL TAILRACE								37,417		4,852,728		1,520,589		5,050,285						11,423,601	11,423,601				
6	1100	Borrow Areas																							
6.1	1117.00	Borrowed Construction Material																							
161	6.1.1		3120.01	Overhaul of Borrowed Construction Material (rate only)	m ³ /km	1													1.50	-	1.24				
ROW A	CALCULATE D TOTAL OF LUMP SUM AND UNIT PRICE ITEMS (BASED ON APPROXIMATE QUANTITIES)							1,352,260		152,975,859		58,509,295		97,216,266						308,701,420	308,701,420				
								828,681																	
Add Craft Travel																									
Revised Total Price																									
																				308,701,420	308,701,420				

Package # CH0009
 Package: Construction of North and South Dams

Date: 2-Dec-14
 Est. by: RPL

Bidder 3

Normalisation Summary

Item	Description	Estimated		Unit cost	Labour	Materials		Sub Trades	Services	Equipment		Total	Comments
		Quantity	Unit			Consum	Perm			Outside	Company		
A. Bidder Commercial Exceptions													
1	LOC & PCG deleted. Bonds provided in lieu				-	-	-	-	-	-	-	-	No Financial Adjustment
2	10% Warranty Bond in lieu of 50% Performance Bond				-	-	-	-	120,000	-	-	120,000	
3	250k deductible in lieu of 2.5M				-	-	-	-	175,000	-	-	175,000	
4	Delete LDs				-	-	-	-	2,315,261	-	-	2,315,261	Used 10% of LDs
5	Icing damage Exclusion				-	-	-	-	-	-	-	-	See Item 3
6	Unit Price Adjustment if quantities vary +-10%				-	-	-	-	1,000,799	-	-	1,000,799	
7	Holdback release				-	-	-	-	-	-	-	-	Delta all Bidders
8	Financing				-	-	-	-	127,500	-	-	127,500	
9	Revise uplift on Reimbursable Work by 33% on Labour & 10% on Materials				1,601,142	-	229,529	-	-	-	-	1,830,671	
10	Travel on PEMs & A&D Testing				-	-	-	-	-	-	-	-	NFA - not in Labour Agreement
	Sub Total A				1,601,142	-	229,529	-	3,738,559	-	-	5,569,231	
B. Bidder Technical Exceptions													
1	Company responsible for design & info provided to Contractor in a timely manner.				-	-	-	-	-	-	-	-	Delta All Bidders
2	Proposal based on River Closure data of 2560m3/s & at May end.				-	-	-	-	-	-	-	-	Design Basis.
3	All temporary power by Company. Any generator use by Contractor is additional.				-	-	-	-	-	-	-	-	Clarify
4	Relocation of existing services on Tailrace Rock Plug by Company at no cost to Contractor				-	-	-	-	-	-	-	-	Company Provided Item
5	Speed Limit reductions excluded from price.				-	-	-	-	-	-	-	-	Company Provided Item
6	Vehicle delivery escorts excluded.				-	-	-	-	-	-	-	-	No Escorts Required.
7	Proposal based on use of existing Transmission ROW for Crushing & Concrete Plants.				-	-	-	-	-	-	-	-	Delta all Bidders
8	No provision for Site external transport of Temporary Bridge. Note-wording slightly different in Execution Plan.				-	-	-	-	-	-	-	-	Company Provided Item but clarify
9	Verticality of Existing RCC face after partial removal is excluded				-	-	-	-	50,000	-	-	50,000	
10	Vehicle wash stations at site entrance/exit points excluded.				-	-	-	-	-	-	-	-	Not required.
11	Removal of boulders in jet grouting operations excluded.				-	-	-	-	-	-	-	-	
12	Disposal of dried cement bentonite waste is to the spoil disposal area.				-	-	-	-	-	-	-	-	Delta all Bidders
13	Construction of additional sedimentation ponds excluded.				-	-	-	-	-	-	-	-	Delta all Bidders
14	All Zone 3 material & Dumped Rocks paid by Tonne in lieu of M3.				-	-	-	-	-	-	-	-	Delta all Bidders
15	Risk of insufficient stockpile & pit quantities excluded.				-	-	-	-	-	-	-	-	Company Provided Item
16	Approved Compactable Material is rockfill available from Company Stockpiles.				-	-	-	-	-	-	-	-	Company Provided Item
17	Borrow Pit Development - grubbing cast to the side and spread & levelled upon completion - hydroseeding excluded.				-	-	-	-	-	-	-	-	Not required.
18	Sufficient rock available from Company designated sources - blasting excluded on rock borrow.				-	-	-	-	-	-	-	-	Company Provided Item
19	All crushing in 2015 - plant demobilised in 2015. Additional crushing after demobilisation - additional cost.				-	-	-	-	-	-	-	-	Delta all Bidders
20	Electronic detonators excluded.				-	-	-	-	-	-	-	-	Delta All Bidders
21	Standard level of foundation cleaning on North Dam. Dental concrete placed to provide stable base paid by Company. See also item 22.				-	-	-	-	-	-	-	-	In spec - Delta all Bidders
22	Dental concrete formwork is excluded.				-	-	-	-	-	-	-	-	No Financial Adjustment
23	Dental concrete by hand/by machine ratio 10/90. Variance to be compensated by Company.				-	-	-	-	100,000	-	-	100,000	
24	Contact grouting is excluded.				-	-	-	-	-	-	-	-	Included in Item 23
25	RCC unit price includes for all formwork associated with RCC.				-	-	-	-	-	-	-	-	NFA

Package # CH0009
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 Bidder 3

Date: 2-Dec-14
 Est. by: RPL

Normalisation Summary

Item	Description	Estimated		Unit cost	Labour	Materials		Sub Trades	Services	Equipment		Total	Comments
		Quantity	Unit			Consum	Perm			Outside	Company		
26	RCC warm joints - right section of Table (>1500 m3) will apply for all layers irrespective of volume.				-	-	-	-	-	-	-	-	NFA
27	Special Environmental disposal of cooling system ammonia excluded.				-	-	-	-	-	-	-	-	Delta all Bidders
28	All QA/QC testing by Company incl. lab; fill compaction; CVC & RCC testing.				-	-	-	-	-	-	-	-	Company Provided Item
Sub Total B					-	-	-	-	150,000	-	-	150,000	
C. Company Technical Exceptions													
1	Laydown identified by Contractor is larger than area designated by Company				-	-	-	-	-	-	-	-	NFA
2	Dewatering capacity is below the Technical Requirement				-	-	-	-	-	-	-	-	NFA
3	Controlled blasting for removal of existing RCC dam is not included.				-	-	-	-	-	-	-	-	NFA
4	Bubble curtain not included.				-	-	-	-	-	-	-	-	Delta all Bidders
5	Processing of Till from TD7 is not identified.				-	-	-	-	-	-	-	-	NFA
6	Waste water treatment is not included in price item				-	-	-	-	-	-	-	-	NFA
7	Foundation prep - Rock Excavation - blasting - excluded.				-	-	-	-	-	-	-	-	NFA - River bed blasting not Company intention
8	Crane pad & working platform removal in Downstream North Dam is excluded.				-	-	-	-	-	-	-	-	Delta all Bidders
9	No contingency in Contractor schedule.				-	-	-	-	-	-	-	-	Contractor Risk.
10	Access to site - borrow haul using shared access - delay claim.				-	-	-	-	-	-	-	-	Contractor Provided Item
11	Sedimentation Pond for river work after headpond at 25m.				-	-	-	-	-	-	-	-	Delta all Bidders
12	RCC - Stepped lay method.				-	-	-	-	-	-	-	-	
Sub Total C					-	-	-	-	-	-	-	-	
Total													
					1,601,142	-	229,529	-	3,738,559	-	-	5,569,231	

5,569,231

Package # CH0009
 Package: Construction of North and South Dams

Date:	2-Dec-14
Est. by:	RPL

Bidder 3

1 LOC & PCG deleted. Bonds provided in lieu

Item	Description	Estimated		Unit cost	Labour	Materials		Sub Trades	Equipment			Total	Unit Rate
		Quantity	Unit			Consum	Perm		Services	Outside	Company		
1	Bidders allowance in Appendix A2.2 is sufficient											-	
					-							-	
					-							-	
												-	
												-	
												-	
Total							-	-	-	-	-	-	

Package # CH0009
 Package: Construction of North and South Dams

Date:	2-Dec-14
Est. by:	RPL

Bidder 3

2 10% Warranty Bond in lieu of 50% Performance Bond

Item	Description	Estimated		Unit cost	Labour	Materials		Sub Trades	Services	Equipment		Total	Unit Rate
		Quantity	Unit			Consum	Perm			Outside	Company		
1	Allow for 50% Performance Bond for 3 years	3	Year	50,000					150,000			150,000	
2	Credit 10% warranty Bond for 3 years	3	Year	(10,000.00)	-				(30,000)			(30,000)	
					-							-	
												-	
												-	
												-	
Total									-	-	-	-	120,000

120,000

Package # CH0009
 Package: Construction of North and South Dams

Date: 2-Dec-14
 Est. by: RPL

Bidder 3

3 250k deductible in lieu of 2.5M

Item	Description	Estimated		Unit cost	Labour	Materials		Sub Trades	Services	Equipment		Total	Unit Rate
		Quantity	Unit			Consum	Perm			Outside	Company		
1	Risk is Insurance Deductible of \$2 million	10%		1,750,000					175,000			175,000	
	Occurrence risk 1 year in 10.				-							-	
	Bidder risks 250 k				-							-	
												-	
												-	
Total					-	-	-	-	175,000	-	-	175,000	

175,000

Package # CH0009
 Package: Construction of North and South Dams

Date:	2-Dec-14
Est. by:	RPL

Bidder 3

4 Delete LDs

Item	Description		Estimated		Unit cost	Labour	Materials		Sub Trades	Services	Equipment		Total	Unit Rate
			Quantity	Unit			Consum	Perm			Outside	Company		
1	Add Back LD Risk		7.5%	308,701,420						-			-	
	Allow					-							-	
		8%	Max	23,152,606.47									-	
	Take		10%		23,152,606					2,315,261			2,315,261	
													-	
													-	

Total

-	-	-	-	2,315,261	-	-	2,315,261
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LDs on Substantial Completion = 60k/day =

39 Days Allowance

2,315,261

Package # CH0009
 Package: Construction of North and South Dams

Date:	2-Dec-14
Est. by:	RPL

Bidder 3

5 Icing damage Exclusion

Item	Description	Estimated		Unit cost	Labour	Materials		Sub Trades	Services	Equipment		Total	Unit Rate	
		Quantity	Unit			Consum	Perm			Outside	Company			
1	Covered under Item 3				-				-			-		
												-		
				-					-			-		
												-		
												-		
Total										-	-	-	-	-

Package # CH0009
 Package: Construction of North and South Dams

Date:	2-Dec-14
Est. by:	RPL

Bidder 3

6 Unit Price Adjustment if quantities vary +-10%

Item	Description		Estimated		Unit cost	Labour	Materials		Sub Trades	Services	Equipment		Total	Unit Rate
			Quantity	Unit			Consum	Perm			Outside	Company		
1	Allow 5% growth		10%		10,007,988	-				1,000,799			1,000,799	
	Total Bid	308,701,420				-							-	
	Indirects	108,541,650				-							-	
	Net	200,159,770				-							-	
		10,007,988	5%			-							-	

Total

-	-	-	-	1,000,799	-	-	1,000,799
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1,000,799

Package # CH0009
 Package: Construction of North and South Dams

Date:	2-Dec-14
Est. by:	RPL

Bidder 3

7 Holdback release

Item	Description	Estimated		Unit cost	Labour	Materials		Sub Trades	Services	Equipment		Total	Unit Rate	
		Quantity	Unit			Consum	Perm			Outside	Company			
1	Delta all Bidders				-				-			-		
												-		
				-					-			-		
												-		
												-		
												-		
Total										-	-	-	-	-

Package # CH0009
 Package: Construction of North and South Dams

Date:	2-Dec-14
Est. by:	RPL

Bidder 3

8 Financing

Item	Description		Estimated		Unit cost	Labour	Materials		Sub Trades	Services	Equipment		Total	Unit Rate
			Quantity	Unit			Consum	Perm			Outside	Company		
1	Bidder has not allowed for financing costs and is expecting monthly advance funding to eliminate financing cost.									-			-	
	First three (3) months of payments		0.750%		17,000,000	-				127,500			127,500	
	3% /4 =	0.750%								-			-	
													-	
													-	

Total

-	-	-	-	-	127,500	-	-	127,500
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127,500

Package # CH0009
 Package: Construction of North and South Dams

Date:	2-Dec-14
Est. by:	RPL

Bidder 3

9 Revise uplift on Reimbursable Work by 33% on Labour & 10% on Materials

Item	Description	Estimated		Unit cost	Labour	Materials		Sub Trades	Services	Equipment		Total	Unit Rate
		Quantity	Unit			Consum	Perm			Outside	Company		
1	Total Labour								-			-	
	Indirect Labour											-	
	Net											-	
	Growth		5%									-	
	Increase			33%	4,851,946	1,601,142						1,601,142	
2	Total Material											-	
	Indirect Material											-	
	Net											-	
	Growth		5%									-	
	Increase			10%	2,295,288	229,528.84						229,529	

Total

1,601,142	-	229,529	-	-	-	-	1,830,671
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1,830,671

Package # CH0009
 Package: Construction of North and South Dams

Date:	2-Dec-14
Est. by:	RPL

Bidder 3

9 Travel on PEMs & A&D Testing

Item	Description	Estimated		Unit cost	Labour	Materials		Sub Trades	Services	Equipment		Total	Unit Rate	
		Quantity	Unit			Consum	Perm			Outside	Company			
1	Bidder has confirmed inclusion of cost of initial PEM /A&D test. Travel time & travel cost for such test(s) is excluded because this is not a requirement of the Labour Agreement.		NFA						-			-		
					-							-		
				-					-			-		
												-		
												-		
Total										-	-	-	-	-

Package # CH0009
 Package: Construction of North and South Dams

Date: 2-Dec-14
 Est. by: RPL

Bidder 3

1 Company responsible for design & info provided to Contractor in a timely manner.

Item	Description	Estimated		Unit cost	Labour	Materials		Sub Trades	Services	Equipment		Total	Unit Rate	
		Quantity	Unit			Consum	Perm			Outside	Company			
1	Company Provided Item		NFA		-				-			-		
				-					-			-		
												-		
												-		
												-		
												-		
Total										-	-	-	-	-

Package # CH0009
 Package: Construction of North and South Dams

Date:	2-Dec-14
Est. by:	RPL

Bidder 3

2 Proposal based on River Closure data of 2560m3/s & at May end.

Item	Description	Estimated		Unit cost	Labour	Materials		Sub Trades	Services	Equipment		Total	Unit Rate	
		Quantity	Unit			Consum	Perm			Outside	Company			
1					-				-			-		
												-		
				-					-			-		
												-		
												-		
												-		
Total										-	-	-	-	-

Package # CH0009
 Package: Construction of North and South Dams

Date:	2-Dec-14
Est. by:	RPL

Bidder 3

3 All temporary power by Company. Any generator use by Contractor is additional.

Item	Description	Estimated		Unit cost	Labour	Materials		Sub Trades	Services	Equipment		Total	Unit Rate					
		Quantity	Unit			Consum	Perm			Outside	Company							
1	Bidder has confirmed that Temporary Power at Contractor work locations isolated from Company Power drops (incl. Contractor provided poled services) will be provided by Contractor at Contractor's cost.		NFA						-			-						
												-						
												-						
												-						
												-						
												-						
												-						
												-						
												-						
Total												-	-	-	-	-	-	-

-	-	-	-	-	-	-	-
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Package # CH0009
 Package: Construction of North and South Dams

Date:	2-Dec-14
Est. by:	RPL

Bidder 3

4 Relocation of existing services on Tailrace Rock Plug by Company at no cost to Contractor

Item	Description	Estimated		Unit cost	Labour	Materials		Sub Trades	Services	Equipment		Total	Unit Rate
		Quantity	Unit			Consum	Perm			Outside	Company		
1	Company Provided Item.		NFA						-			-	
					-							-	
				-					-			-	
												-	
												-	
												-	
Total									-	-	-	-	-

Package # CH0009
 Package: Construction of North and South Dams

Date:	2-Dec-14
Est. by:	RPL

Bidder 3

5 Speed Limit reductions excluded from price.

Item	Description	Estimated		Unit cost	Labour	Materials		Sub Trades	Services	Equipment		Total	Unit Rate	
		Quantity	Unit			Consum	Perm			Outside	Company			
1	Company Provided Item.		NFA		-				-			-		
												-		
				-					-			-		
												-		
												-		
Total										-	-	-	-	-

Package # CH0009
 Package: Construction of North and South Dams

Date:	2-Dec-14
Est. by:	RPL

Bidder 3

6 Vehicle delivery escorts excluded.

Item	Description	Estimated		Unit cost	Labour	Materials		Sub Trades	Services	Equipment		Total	Unit Rate	
		Quantity	Unit			Consum	Perm			Outside	Company			
1	Company Provided Item.		NFA		-				-			-		
									-			-		
									-			-		
									-			-		
									-			-		
									-			-		
Total										-	-	-	-	

Package # CH0009
 Package: Construction of North and South Dams

Date:	2-Dec-14
Est. by:	RPL

Bidder 3

7 Proposal based on use of existing Transmission ROW for Crushing & Concrete Plants.

Item	Description	Estimated		Unit cost	Labour	Materials		Sub Trades	Services	Equipment		Total	Unit Rate	
		Quantity	Unit			Consum	Perm			Outside	Company			
1	Delta all Bidders		NFA		-				-			-		
												-		
				-					-			-		
												-		
												-		
												-		
Total										-	-	-	-	-

Package # CH0009
 Package: Construction of North and South Dams

Date:	2-Dec-14
Est. by:	RPL

Bidder 3

8 No provision for Site external transport of Temporary Bridge. Note- wording slightly different in Execution Plan.

Item	Description	Estimated		Unit cost	Labour	Materials		Sub Trades	Services	Equipment		Total	Unit Rate
		Quantity	Unit			Consum	Perm			Outside	Company		
1	Wording clarified by Bidder - exclusion is after bridge hand-over to Company.		NFA						-			-	
					-							-	
									-			-	
												-	
												-	
												-	
												-	
												-	
Total									-	-	-	-	-

Package # CH0009
 Package: Construction of North and South Dams

Date:	2-Dec-14
Est. by:	RPL

Bidder 3

9 Verticality of Existing RCC face after partial removal is excluded

Item	Description	Estimated		Unit cost	Labour	Materials		Sub Trades	Services	Equipment		Total	Unit Rate
		Quantity	Unit			Consum	Perm			Outside	Company		
1	Allowance for concrete and formwork to provide a clean finish.	1	50,000						50,000			50,000	
					-							-	
									-			-	
												-	
												-	
Total									50,000			50,000	

50,000

Package # CH0009
 Package: Construction of North and South Dams

Date: 2-Dec-14
 Est. by: RPL

Bidder 3

10 Vehicle wash stations at site entrance/exit points excluded.

Item	Description	Estimated		Unit cost	Labour	Materials		Sub Trades	Services	Equipment		Total	Unit Rate	
		Quantity	Unit			Consum	Perm			Outside	Company			
1	Not required.		NFA		-				-			-		
					-				-			-		
					-				-			-		
					-				-			-		
					-				-			-		
Total										-	-	-	-	-

Package # CH0009
 Package: Construction of North and South Dams

Date:	2-Dec-14
Est. by:	RPL

Bidder 3

13 Construction of additional sedimentation ponds excluded.

Item	Description	Estimated		Unit cost	Labour	Materials		Sub Trades	Services	Equipment		Total	Unit Rate
		Quantity	Unit			Consum	Perm			Outside	Company		
1					-				-			-	
					-				-			-	
					-				-			-	
					-				-			-	
					-				-			-	
					-				-			-	
Total										-	-	-	-

Package # CH0009
 Package: Construction of North and South Dams

Date: 2-Dec-14
 Est. by: RPL

Bidder 3

14 All Zone 3 material & Dumped Rocks paid by Tonne in lieu of M3.

Item	Description	Estimated		Unit cost	Labour	Materials		Sub Trades	Services	Equipment		Total	Unit Rate
		Quantity	Unit			Consum	Perm			Outside	Company		
1				-	-				-			-	
				-								-	
				-					-			-	
				-					-			-	
				-					-			-	
				-					-			-	
Total									-	-	-	-	-

Package # CH0009
 Package: Construction of North and South Dams

Date:	2-Dec-14
Est. by:	RPL

Bidder 3

15 Risk of insufficient stockpile & pit quantities excluded.

Item	Description	Estimated		Unit cost	Labour	Materials		Sub Trades	Services	Equipment		Total	Unit Rate
		Quantity	Unit			Consum	Perm			Outside	Company		
1													
					-							-	
									-			-	
												-	
												-	
												-	
												-	
Total									-	-	-	-	-

Package # CH0009
 Package: Construction of North and South Dams

Date:	2-Dec-14
Est. by:	RPL

Bidder 3

16 Approved Compactable Material is rockfill available from Company Stockpiles.

Item	Description	Estimated		Unit cost	Labour	Materials		Sub Trades	Services	Equipment		Total	Unit Rate	
		Quantity	Unit			Consum	Perm			Outside	Company			
1									-			-		
												-		
												-		
												-		
												-		
												-		
												-		
												-		
												-		
Total													-	

Package # CH0009
 Package: Construction of North and South Dams

Date:	2-Dec-14
Est. by:	RPL

Bidder 3

17 Borrow Pit Development - grubbing cast to the side and spread & levelled upon completion - hydroseeding excludec

Item	Description	Estimated		Unit cost	Labour	Materials		Sub Trades	Services	Equipment		Total	Unit Rate
		Quantity	Unit			Consum	Perm			Outside	Company		
1									-			-	
												-	
												-	
												-	
												-	
												-	
Total									-	-	-	-	-

Package # CH0009
Package: Construction of North and South Dams

Date: 2-Dec-14
Est. by: RPL

Bidder 3

18 Sufficient rock available from Company designated sources - blasting excluded on rock borrow.

Item	Description	Estimated		Unit cost	Labour	Materials		Sub Trades	Services	Equipment		Total	Unit Rate
		Quantity	Unit			Consum	Perm			Outside	Company		
1									-			-	
												-	
												-	
												-	
												-	
												-	

Total - - - - -

Package # CH0009
Package: Construction of North and South Dams

Date:	2-Dec-14
Est. by:	RPL

Bidder 3

21 Standard level of foundation cleaning on North Dam. Dental concrete placed to provide stable base paid by Company. See also item 22.

Item	Description	Estimated		Unit cost	Labour	Materials		Sub Trades	Services	Equipment		Total	Unit Rate		
		Quantity	Unit			Consum	Perm			Outside	Company				
1									-			-			
												-			
									-			-			
												-			
												-			
												-			
Total											-	-	-	-	-

Package # CH0009
Package: Construction of North and South Dams

Date:	2-Dec-14
Est. by:	RPL

Bidder 3

22 Dental concrete formwork is excluded.

Item	Description	Estimated		Unit cost	Labour	Materials		Sub Trades	Services	Equipment		Total	Unit Rate	
		Quantity	Unit			Consum	Perm			Outside	Company			
1														
									-			-		
												-		
									-			-		
												-		
												-		
												-		
Total										-	-	-	-	

Package # CH0009
 Package: Construction of North and South Dams

Date:	2-Dec-14
Est. by:	RPL

Bidder 3

23 Dental concrete by hand/by machine ratio 10/90. Variance to be compensated by Company.

Item	Description	Estimated		Unit cost	Labour	Materials		Sub Trades	Services	Equipment		Total	Unit Rate				
		Quantity	Unit			Consum	Perm			Outside	Company						
1	Plug risk due requirement to Company Geologist	1	LS	100,000					100,000			100,000					
					-							-					
					-							-					
												-					
												-					
Total																	
										-	-	-	-	100,000	-	-	100,000

100,000

Package # CH0009
 Package: Construction of North and South Dams

Date:	2-Dec-14
Est. by:	RPL

Bidder 3

24 Contact grouting is excluded.

Item	Description	Estimated		Unit cost	Labour	Materials		Sub Trades	Services	Equipment		Total	Unit Rate
		Quantity	Unit			Consum	Perm			Outside	Company		
1				-					-			-	
				-					-			-	
				-					-			-	
				-					-			-	
				-					-			-	
				-					-			-	
				-					-			-	
				-					-			-	
				-					-			-	
				-					-			-	
Total									-	-	-	-	-

Package # CH0009
Package: Construction of North and South Dams

Date: 2-Dec-14
Est. by: RPL

Bidder 3

26 RCC warm joints - right section of Table (>1500 m3) will apply for all layers irrespective of volume.

Item	Description	Estimated		Unit cost	Labour	Materials		Sub Trades	Services	Equipment		Total	Unit Rate	
		Quantity	Unit			Consum	Perm			Outside	Company			
1									-			-		
												-		
												-		
												-		
												-		
												-		
												-		
Total													-	

Package # CH0009
 Package: Construction of North and South Dams

Date:	2-Dec-14
Est. by:	RPL

Bidder 3

27 Special Environmental disposal of cooling system ammonia excluded.

Item	Description	Estimated		Unit cost	Labour	Materials		Sub Trades	Services	Equipment		Total	Unit Rate
		Quantity	Unit			Consum	Perm			Outside	Company		
1									-			-	
												-	
												-	
												-	
												-	

Total

-	-	-	-	-	-	-	-
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Package # CH0009
 Package: Construction of North and South Dams

Date:	2-Dec-14
Est. by:	RPL

Bidder 3

3 Controlled blasting for removal of existing RCC dam is not included.

Item	Description	Estimated		Unit cost	Labour	Materials		Sub Trades	Services	Equipment		Total	Unit Rate	
		Quantity	Unit			Consum	Perm			Outside	Company			
1									-			-		
									-			-		
									-			-		
									-			-		
									-			-		
									-			-		
									-			-		
									-			-		
Total										-	-	-	-	-

Package # CH0009
 Package: Construction of North and South Dams

Date:	2-Dec-14
Est. by:	RPL

Bidder 3

4 Bubble curtain not included.

Item	Description	Estimated		Unit cost	Labour	Materials		Sub Trades	Services	Equipment		Total	Unit Rate
		Quantity	Unit			Consum	Perm			Outside	Company		
1				-	-				-			-	
				-					-			-	
				-					-			-	
				-					-			-	
				-					-			-	
				-					-			-	
				-					-			-	
Total										-	-	-	-

Package # CH0009
 Package: Construction of North and South Dams

Date:	2-Dec-14
Est. by:	RPL

Bidder 3

6 Waste water treatment is not included in price item

Item	Description		Estimated		Unit cost	Labour	Materials		Sub Trades	Services	Equipment		Total	Unit Rate
			Quantity	Unit			Consum	Perm			Outside	Company		
1						-				-			-	
					-					-			-	
Total										-	-	-	-	-

Package # CH0009
Package: Construction of North and South Dams

Date: 2-Dec-14
Est. by: RPL

Bidder 3

8 Crane pad & working platform removal in Downstream North Dam is excluded.

Item	Description	Estimated		Unit cost	Labour	Materials		Sub Trades	Services	Equipment		Total	Unit Rate	
		Quantity	Unit			Consum	Perm			Outside	Company			
1									-			-		
												-		
				-					-			-		
												-		
												-		
												-		
Total										-	-	-	-	-

Package # CH0009
 Package: Construction of North and South Dams

Date:	2-Dec-14
Est. by:	RPL

Bidder 3

10 Access to site - borrow haul using shared access - delay claim.

Item	Description	Estimated		Unit cost	Labour	Materials		Sub Trades	Services	Equipment		Total	Unit Rate
		Quantity	Unit			Consum	Perm			Outside	Company		
1	Cost of PEM & A&D Test included by Bidder. Travel time excluded - not a requirement of the Labour Agreement.		NFA						-			-	
									-			-	
									-			-	
									-			-	
									-			-	
									-			-	
Total									-	-	-	-	

Package # CH0009
 Package: Construction of North and South Dams

Date:	2-Dec-14
Est. by:	RPL

Bidder 3

11 Sedimentation Pond for river work after headpond at 25m.

Item	Description	Estimated		Unit cost	Labour	Materials		Sub Trades	Services	Equipment		Total	Unit Rate	
		Quantity	Unit			Consum	Perm			Outside	Company			
1									-			-		
									-			-		
									-			-		
									-			-		
									-			-		
									-			-		
									-			-		
Total										-	-	-	-	-

