

Cost Comparison	Total Price					Hours				
	Bidder 2 (Bid)	Bidder 3 (Alt) (Bid)	Bidder 2 (Rebid)	Bidder 3 (Rebid)	Estimate	Bidder 2 (Bid)	Bidder 3 (Alt) (Bid)	Bidder 2 (Rebid)	Bidder 3 (Rebid)	Estimate
IND	177,353,611	108,541,650	162,106,689	97,540,000	68,240,172	484,914	523,579	459,652	449,425	428,722
GEN	6,781,250	7,632,160	5,913,470	6,085,875	6,158,218	13,969	32,027	13,798	27,841	27,076
TB	10,425,000	6,773,000	10,275,000	6,615,000	8,085,000	14,950	19,300	16,250	19,297	32,941
USCD	23,318,855	26,810,940	16,282,950	19,301,630	19,678,051	46,163	90,046	45,705	78,125	85,196
DSCD	846,577	984,125	757,300	911,600	594,833	2,793	4,459	3,254	4,460	2,999
ICD	1,346,467	2,069,710	1,347,300	1,932,700	983,361	4,463	8,386	5,279	8,466	4,743
SD	9,851,010	11,429,660	9,516,260	10,485,660	6,580,254	24,112	46,482	29,461	46,517	30,722
ND	85,668,660	132,820,940	93,764,230	133,782,560	81,434,623	269,468	587,856	272,303	597,572	248,376
TRW	6,838,893	11,423,603	6,843,210	10,768,975	9,551,543	18,374	37,256	19,991	37,254	41,006
Optional	238,616	213,720	7,314,282	6,986,525	154,770	362	394	4,574	17,657	659
ADJ	(18,020,800)	(3,870,800)	-	-	-	-	-	-	-	-
ADJBid3 (1)	-	-	(2,000,000)	-	-	-	-	-	-	-
Labour cost from subs in estimate	-	-	-	-	-	-	-	-	-	-
Totals w/o Optional	304,409,521	304,614,988	304,806,409	287,424,000	201,306,057	879,206	1,349,391	865,693	1,268,958	901,782
Totals	304,648,137	304,828,708	312,120,691	294,410,525	201,460,827	879,568	1,349,785	870,266	1,286,615	902,441
Indirect/Direct ratio	140%	55%	114%	51%	51%					

5/1

Cost Comparison	Total Price					Hours				
	Bidder 2 (Bid)	Bidder 3 (Alt) (Bid)	Bidder 2 (Rebid)	Bidder 3 (Rebid)	Estimate	Bidder 2 (Bid)	Bidder 3 (Alt) (Bid)	Bidder 2 (Rebid)	Bidder 3 (Rebid)	Estimate
IND	177,353,611	108,541,650	162,106,689	97,540,000	68,240,172	484,914	523,579	459,652	449,425	428,722
GEN	6,781,250	7,632,160	5,913,470	6,085,875	6,158,218	13,969	32,027	13,798	27,841	27,076
TB	10,425,000	6,773,000	10,275,000	6,615,000	8,085,000	14,950	19,300	16,250	19,297	32,941
USCD	23,318,855	26,810,940	16,282,950	19,301,630	19,678,051	46,163	90,046	45,705	78,125	85,196
DSCD	846,577	984,125	757,300	911,600	594,833	2,793	4,459	3,254	4,460	2,999
ICD	1,346,467	2,069,710	1,347,300	1,932,700	983,361	4,463	8,386	5,279	8,466	4,743
SD	9,851,010	11,429,660	9,516,260	10,485,660	6,580,254	24,112	46,482	29,461	46,517	30,722
ND	85,668,660	132,820,940	93,764,230	133,782,560	81,434,623	269,468	587,856	272,303	597,572	248,376
TRW	6,838,893	11,423,603	6,843,210	10,768,975	9,551,543	18,374	37,256	19,991	37,254	41,006
Optional	238,616	213,720	7,314,282	6,986,525	154,770	362	394	4,574	17,657	659
ADJ	(18,020,800)	(3,870,800)	-	-	-	-	-	-	-	-
ADJBid3 (1)	-	-	(2,000,000)	-	-	-	-	-	-	-
Labour cost from subs in estimate	-	-	-	-	-	-	-	-	-	-
Totals w/o Optional	304,409,521	304,614,988	304,806,409	287,424,000	201,306,057	879,206	1,349,391	865,693	1,268,958	901,782
Totals	304,648,137	304,828,708	312,120,691	294,410,525	201,460,827	879,568	1,349,785	870,266	1,286,615	902,441

Indirect/Direct ratio 139% 55% 108% 50% 51%

A2.1 Compare

Price Item	Price Item	Description	Qty (Bid)	Qty (Rebid Bidder 2)	Qty (Rebid Bidder 3)	Units	Total Price						Labour Cost							
							Bidder 2	Bidder 3 (Alt)	Bidder 2 Rebid Option 1	Bidder 3 Rebid Option 1	Bidder 2 Rebid Option 2	Bidder 3 Rebid Option 2	Estimate	Bidder 2	Bidder 3 (Alt)	Bidder 2 Rebid Option 1	Bidder 3 Rebid Option 1	Bidder 2 Rebid Option 2	Bidder 3 Rebid Option 2	Estimate
160	150	Existing Temporary Safety Fence - Removal	1,200	1,200	1,200	m	19,500	73,200	19,500	69,600	19,500	72,000	19,982	15,000	52,754	14,652	51,808	14,652	54,045	
164	164	ESTIMATE OF TRAVEL ALLOWANCES - TRADES LABOUR, LOCAL STAFF AND U.S. STAFF		1.0			7,691,689		4,191,689		4,191,689									
		151 Overhaul of Borrowed Construction Material (rate only)							2		2									
		152 Other Material or Rockfill		28,000.0	28,000.0				350,000	315,000	350,000	315,000			106,400	133,000	106,400	133,000		
		153 Maintenance Grade No 3		4,000.0	4,000.0				300,000	144,000	300,000	144,000			28,760	70,080	28,760	70,080		
		154 Production of blasted rockfill from the quarry Q5		50,000.0	50,000.0				750,000	310,000	750,000	325,000			164,000	145,000	164,000	150,000		
		155 Mobilization and demobilization		1.0	1.0				1,100,000	1,195,000	1,100,000	1,224,000			402,900	-	402,900	-	412,000	
		156 Drilling Holes for Jet Grouting in embankment, river sediments and bedrock		9,600.0	9,600.0				1,536,000	1,440,000	1,536,000	1,476,000			-	782,400	-	801,600		
		157 Jet Grouted Cut-off wall		2,800.0	2,800.0				2,948,400	3,220,000	2,948,400	3,304,000			120,512	560,000	120,512	579,600		
		158 Drilling Holes for Grouting in embankment, jet grouting cut-off wall and bedrock, if required		1,300.0	1,300.0				29,900	29,575	29,900	30,550			-	7,410	-	7,670		
		159 Dry cement incorporated in the grout, if required		11,000.0	11,000.0				11,000	57,750	11,000	57,750			-	36,300	-	36,300		
		160 Grouting - Successful connections, if required		60.0	60.0				50,700	48,200	50,700	47,400			-	18,480	-	18,900		
49	45	Percussion Drill Holes in embankment, river sediments and bedrock	1,000.0	1,000.0	1,000.0	m	126,400	109,000	126,000	115,000	126,000	120,000	73,920	22,400	30,520	-	32,200	-	33,600	28,000
50	46	Verification Core Drilling in jet grouting cut-off wall and bedrock	200.0	200.0	200.0	m	93,736	85,400	93,800	93,000	93,800	95,000		12,336	17,080	-	18,600	-	19,000	
51	47	Core Diamond Drill Rig in Standby	140.0	140.0	140.0	hour	18,480	19,320	18,480	21,000	18,480	21,700	80,850							
ADJ18	ADJ18	Tip Bucket reduction							(2,000,000)		(2,000,000)									
Totals							304,648,137	304,828,708	312,120,691	294,410,525	337,120,691	308,509,134	201,460,827	102,678,653	152,980,833	61,819,550	146,855,941	61,819,550	156,082,481	64,237,237
Indirect							177,353,611	108,541,650	157,915,000	97,540,000	182,915,000	104,755,000	68,240,172	65,235,124	55,936,940	24,061,614	49,327,760	24,061,614	53,492,130	35,177,400
Direct							127,294,527	196,287,058	154,205,691	196,870,525	154,205,691	203,754,134	133,220,655	37,443,529	97,043,893	37,757,936	97,528,182	37,757,936	102,590,351	29,059,837
Cost Comparison																				
IND							177,353,611	108,541,650	162,106,689	97,540,000	187,106,689	104,755,000	68,240,172	65,235,124	55,936,940	24,061,614	49,327,760	24,061,614	53,492,130	35,177,400
GEN							6,781,250	7,632,160	5,913,470	6,085,875	5,913,470	6,191,310	6,158,218	1,295,513	3,475,399	1,265,465	2,983,940	1,265,465	3,068,105	2,058,482
TB							10,425,000	6,773,000	10,275,000	6,615,000	10,275,000	6,615,000	8,085,000	1,425,000	2,121,727	1,527,505	2,180,570	1,527,505	2,180,570	
USCD							23,318,855	26,810,940	16,282,950	19,301,630	16,282,950	19,945,345	19,678,051	4,331,025	10,222,978	4,160,815	8,156,134	4,160,815	8,615,413	4,673,075
DSCD							846,577	984,125	757,300	911,600	757,300	941,350	594,833	259,522	495,385	297,298	470,601	297,298	494,330	220,706
CD							1,346,467	2,069,710	1,347,300	1,932,700	1,347,300	1,990,250	983,761	414,493	943,387	481,687	917,303	481,687	958,245	340,230
SD							9,851,010	11,429,660	9,516,260	10,485,660	9,516,260	10,907,270	6,580,254	2,231,221	5,332,602	2,688,592	5,070,392	2,688,592	5,362,328	2,022,363
ND							85,668,660	132,820,940	93,764,230	133,782,560	93,764,230	138,967,384	81,434,623	25,764,759	69,552,879	25,090,598	70,759,938	25,090,598	74,681,841	16,238,407
TRW							6,838,893	11,423,603	6,843,210	10,788,975	6,843,210	11,035,825	9,551,543	1,687,260	4,851,935	1,826,305	4,783,332	1,826,305	4,967,769	3,478,573
Opt							238,616	213,720	7,314,282	6,986,525	7,314,282	7,160,400	154,770	34,736	47,600	419,672	2,205,970	419,672	2,261,750	28,000
ADJ							(18,070,800)	(3,870,800)												
ADJ18									(2,000,000)		(2,000,000)									
Labour cost from subs in estimate																				12,470,239
Totals Before Optional Work							304,409,521	304,614,988	304,806,409	287,424,000	329,806,409	301,348,734	201,306,057	102,643,917	152,933,233	61,399,878	144,649,971	61,399,878	153,820,731	76,679,476
Totals							304,648,137	304,828,708	312,120,691	294,410,525	337,120,691	308,509,134	201,460,827	102,678,653	152,980,833	61,819,550	146,855,941	61,819,550	156,082,481	76,707,476
Average labour cost per hour														116.74	113.34	71.04	114.14	71.04	119.12	85.00

A2.1 Compare

Price Item	Price Item	Description	Hours					Estimate	Labour Rate					Estimate	Non-Labour Cost							
			Bidder 2	Bidder 3 (Alt)	Bidder 2 Rebid Option 1	Bidder 3 Rebid Option 1	Bidder 2 Rebid Option 2		Bidder 3 Rebid Option 2	Bidder 2	Bidder 3 (Alt)	Bidder 2 Rebid Option 1	Bidder 3 Rebid Option 1		Bidder 2 Rebid Option 2	Bidder 3 Rebid Option 2	Bidder 2	Bidder 3 (Alt)	Bidder 2 Rebid Option 1	Bidder 3 Rebid Option 1	Bidder 2 Rebid Option 2	Bidder 3 Rebid Option 2
160	150	Existing Temporary Safety Fence - Removal	147	464	160	464	160	464	81	102	114	92	112	92	116	4,500	20,446	4,848	17,792	4,848	17,955	19,982
164	ESIMATE OF TRAVEL ALLOWANCES - TRADES LABOUR, LOCAL STAFF AND U.S. STAFF																					
151	Overhaul of Borrowed Construction Material (rate only)																					
152	Other Material or Rockfill																					
153	Maintenance Grade No 3																					
154	Production of blasted rockfill from the quarry QS																					
155	Mobilization and demobilization																					
156	Drilling Holes for Jet Grouting in embankment, river sediments and bedrock																					
157	Jet Grouted Cut-off wall																					
158	Drilling Holes for Grouting in embankment, jet grouting cut-off wall and bedrock, if required																					
159	Dry cement incorporated in the grout, if required																					
160	Grouting - Successful connections, if required																					
49	45	Percussion Drill Holes in embankments, river sediments and bedrock	230	250	250	250	250	329	97	122	129	134	85	104,000	78,480	126,000	82,800	126,000	86,400	45,920		
50	46	Verification Core Drilling in jet grouting cut-off wall and bedrock	132	144	144	144	144	132	93	119	129	132	-	81,400	68,320	93,800	74,400	93,800	76,000	-		
51	47	Core Diamond Drill Rig in Standby	-	-	-	-	-	329	-	-	-	-	-	18,480	19,320	18,480	21,000	18,480	21,700	80,850		
ADJ18	ADJ18	Php Bucket reduction	-	-	-	-	-	-	-	-	-	-	-	-	-	(2,000,000)	-	-	(2,000,000)	-	-	
Totals			879,568	1,349,785	870,266	1,286,615	870,266	1,310,245	902,441	117	113	71	114	71	119	201,969,484	151,847,875	250,301,517	147,554,584	275,301,517	152,426,653	137,223,590
Indirect			484,914	523,579	459,652	449,425	459,652	472,695	428,722	112,118,487	52,604,710	133,853,386	48,212,240	158,853,386	51,262,870	33,062,772						
Direct			394,654	826,206	410,615	837,190	410,615	837,550	473,719	89,850,998	99,243,165	116,448,131	99,342,343	116,448,131	101,163,783	104,160,818						
Cost Comparison																						
IND			484,914	523,579	459,652	449,425	459,652	472,695	428,722	112,118,487	52,604,710	133,853,386	48,212,240	158,853,386	51,262,870	33,062,772						
GEN			13,969	32,027	13,798	27,841	13,798	27,841	27,076	5,485,737	4,156,761	4,648,005	3,101,935	4,648,005	3,123,205	4,099,736						
TB			14,950	19,300	16,250	19,297	16,250	19,297	32,941	9,000,000	4,651,273	8,747,495	4,434,430	8,747,495	4,434,430	8,085,000						
USCD			46,168	90,046	45,705	78,125	45,705	78,125	85,196	18,987,831	16,587,962	12,122,135	11,145,496	12,122,135	11,329,932	15,004,976						
DSCD			2,793	4,459	3,254	4,460	3,254	4,460	2,999	587,055	488,740	460,004	440,999	460,004	447,020	374,127						
ICD			4,463	8,386	5,279	8,466	5,279	8,466	4,743	931,974	1,126,323	865,613	1,015,397	865,613	1,032,005	643,131						
SD			24,112	46,482	29,461	46,517	29,461	46,517	30,722	7,619,789	6,097,058	6,828,043	5,415,268	6,828,043	5,544,942	4,557,891						
ND			269,468	587,856	272,303	597,572	272,303	597,932	248,376	59,903,900	63,268,061	68,673,632	63,022,622	68,673,632	64,285,543	65,196,216						
TRW			18,374	37,256	19,991	37,254	19,991	37,254	41,006	5,151,632	6,571,668	5,016,906	5,985,643	5,016,906	6,068,056	6,072,970						
Opt			362	394	4,574	17,657	4,574	17,657	659	203,880	166,120	6,894,608	4,780,555	6,894,608	4,898,650	126,770						
ADJ			-	-	-	-	-	-	-	(18,020,800)	(3,870,800)	-	-	-	-	-						
ADJ Bid 3			-	-	-	-	-	-	-	-	-	-	-	-	-	-						
Labour cost from subs in estimate			-	-	-	-	-	-	-	-	-	-	-	-	-	-						
Totals Before Optional Work			879,206	1,349,391	865,693	1,268,958	865,693	1,292,588	901,782	201,765,604	151,681,755	245,406,909	142,774,029	270,406,909	147,528,003	137,096,820						
Totals			879,568	1,349,785	870,266	1,286,615	870,266	1,310,245	902,441	201,969,484	151,847,875	252,301,517	147,554,584	277,301,517	152,426,653	137,223,590						

Average labour cost per hour

A2.1 Compare

Price Item	Price Item	Description	Materials Cost					Equipment Cost					Unit Prices									
			Bidder 2	Bidder 3 (Alt)	Bidder 2 Rebid Option 1	Bidder 3 Rebid Option 1	Bidder 2 Rebid Option 2	Bidder 3 Rebid Option 2	Estimate	Bidder 2	Bidder 3 (Alt)	Bidder 2 Rebid Option 1	Bidder 3 Rebid Option 1	Bidder 2 Rebid Option 2	Bidder 3 Rebid Option 2	Estimate	Bidder 2	Bidder 3 (Alt)	Bidder 2 Rebid Option 1	Bidder 3 Rebid Option 1	Bidder 2 Rebid Option 2	Bidder 3 Rebid Option 2
160	150	Existing Temporary Safety Fence - Removal							4,500	20,446		17,792		17,955		16.25	61.00	16.25	58.00	16.25	60.00	16.65
164	164	ESIMATE OF TRAVEL ALLOWANCES - TRADES LABOUR, LOCAL STAFF AND U.S. STAFF							7,691,689													
	151	Overhaul of Borrowed Construction Material (rate only)										182,000		182,000								
	152	Other Material or Rockfill										72,840		72,840								
	153	Maintenance Grade No 3				1,080		1,080				100,000		105,000								
	154	Production of blasted rockfill from the quarry Q5				65,000		70,000				753,500		765,500								
	155	Mobilization and demobilization				39,000		46,500				607,680		623,040								
	156	Drilling Holes for Jet Grouting in embankment, river sediments and bedrock				49,920		51,360				991,200		1,016,400								
	157	Jet Grouted Cut-off wall				1,668,800		1,708,000				22,165		22,880								
	158	Drilling Holes for Grouting in embankment, jet grouting cut-off wall and bedrock, if required										7,700		7,700								
	159	Dry cement incorporated in the grout, if required				13,750		13,750				27,720		28,500								
	160	Grouting - Successful connections, if required										86,400		86,400	22,000	126	109	126	115	126	120	74
49	45	Percussion Drill Holes in embankments, river sediments and bedrock						14,000		78,480		82,800		86,400	22,000	469	427	469	465	469	475	
50	46	Verification Core Drilling in jet grouting cut-off wall and bedrock		2,562		2,790		2,850		65,758		71,610		73,150		132	138	132	150	132	155	578
51	47	Core Diamond Drill Rig in Standby								19,320		21,000		21,700								
ADJ18	ADJ18	Fig Bucket reduction																				
Totals			94,773,075	54,817,925				47,811,439	89,109,584	97,029,950				31,200,684								
Indirect			40,961,798	12,603,526		11,556,150		12,474,506	11,110,000	63,891,689	40,001,184		36,656,090		38,788,363	9,635,000						
Direct			53,811,277	42,214,399				36,701,439	25,217,895	57,028,766				21,565,684								
Cost Comparison																						
	IND		40,961,798	12,603,526				11,110,000	63,891,689	40,001,184				9,635,000								
	GEN		1,659,149	633,676				698,585	3,826,588	3,523,085				1,967,373								
	TB		8,400,000	3,115,885					550,000	1,535,388												
	USCD		4,516,238	1,921,511				60,726	10,004,370	14,666,451				5,881,972								
	DSCD		246,383	133,567				42,345	330,706	355,173				166,346								
	JCD		390,475	203,530				57,525	529,041	922,793				296,230								
	SD		3,548,220	859,150				202,770	3,670,213	5,237,907				1,999,439								
	ND		51,049,972	37,694,455				33,792,962	3,176,985	25,573,606				8,290,988								
	TRW		2,021,640	1,520,864				1,832,526	3,129,992	5,050,804				2,941,335								
	Opt			2,562				14,000		163,558				22,000								
	ADJ		(18,020,800)	(3,870,800)																		
	ADJ/Bid3																					
Labour cost from subs in estimate																						
Totals Before Optional Work			94,773,075	54,815,363				47,797,439	89,109,584	96,866,392				31,178,684								
Totals			94,773,075	54,817,925				47,811,439	89,109,584	97,029,950				31,200,684								

Average labour cost per hour