

Total Tender Price : Direct Costs plus Profit, Indirect Cost (fixed, time- and value-related P&G) - BoQ - Contingencies

	Item	Unit	Labour	Depreciation	Maintenance	Fuel-lubricants	Materials	Miscellaneous	Direct Costs incl. 5% Profit	%	
Ind. Cost	100	PRELIMINARY & GENERAL	€-Cent						0	5%	
	101	Fixed : Mobilization/Dismantle	€-Cent							12,5%	
	102	Value related	€-Cent	720.000.000	212.000.000	128.000.000	727.000.000	835.000.000	38.000.000	2,5%	
	103	Time related	€-Cent							10,0%	
Direct Costs inclusive 5% Profit (1/20)	400	SITE CLEARANCE AND TOP SOIL STRIPPING	€-Cent	55.675.767	22.504.504	13.502.749	59.735.636	0	5.000.000	156.418.117	1%
	500	EARTHWORKS	€-Cent	414.415.963	146.738.548	88.043.441	388.887.986	2.850.226	0	1.040.944.050	10%
	700	EXCAVATION AND FILLING FOR STRUCTURES	€-Cent	37.487.411	9.344.516	5.606.741	30.746.680	10.818.213	17.415	94.020.852	1%
	800	CULVERT AND DRAINAGE WORKS	€-Cent	68.592.144	12.616.856	7.570.196	41.361.901	108.746.943	96.190	238.984.324	2%
	900	PASSAGE OF TRAFFIC	€-Cent	55.955.451	23.332.456	13.999.510	48.252.402	0	0	141.534.727	1%
	1200	NATURAL MATERIAL BASE AND SUBBASE	€-Cent	220.734.521	88.391.125	53.035.228	233.966.802	0	1.001.000	597.127.851	6%
	1300	GRADED CRUSHED STONE BASE	€-Cent	534.130.279	218.504.165	131.108.528	744.223.498	0	14.414.404	1.642.382.000	15%
	1400	CEMENT AND LIME TREATED MATERIALS	€-Cent	121.400.834	9.597.772	5.758.711	47.130.010	608.384.505	0	792.282.177	7%
	1500	BITUMINOUS SURFACE TREAT-MENT AND SURFACE DRESSING	€-Cent	43.002.529	14.129.877	8.478.310	49.245.795	232.705.821	925.925	348.481.060	3%
	1600	BITUMINOUS MIXES	€-Cent	106.748.238	49.831.556	29.899.691	377.469.987	601.367.443	2.180.178	1.167.494.208	11%
	1700	CONCRETE WORKS	€-Cent	344.354.813	27.719.039	16.631.843	99.381.743	589.860.894	608.415	1.078.556.802	10%
	1900	STRUCTURAL STEEL WORK	€-Cent	67.580.626	4.153.800	2.492.295	25.238.204	116.590.320	73.624.960	291.180.210	3%
	2000	ROAD FURNITURE	€-Cent	43.273.495	3.387.062	2.032.270	18.967.988	109.791.274	4.815.473	182.267.758	2%
	2100	MISCELLANEOUS BRIDGE W.	€-Cent	19.053.412	2.261.041	1.356.641	7.149.206	47.853.199	2.487.119	80.160.585	1%
	2200	DAYWORKS	€-Cent	20.964.657	2.996.112	1.797.679	7.779.514	41.319.460	4.090.127	84.018.652	1%
	2300	BUILDINGS	€-Cent	9.230	6.322	3.793	8.097	0	915.800	943.242	0%
	2500	HIV/AIDS AWARENESS CAMPAIGN	€-Cent	0	0	0	0	6.568.565	3.466.449	10.060.027	0%
2600	ROAD SAFETY CAMPAIGN	€-Cent	178.860	27.968	16.781	97.249	10.776.892	500.590	11.623.340	0%	
2700	CONCRETE BLOCK PAVING	€-Cent	4.702.839	165.714	99.430	468.090	15.398.298	0	20.834.330	0%	
	Total Direct Costs	€-Cent	2.158.261.068	635.708.433	381.433.836	2.180.110.789	2.503.032.052	114.144.044	7.979.314.311	75%	

Total Tender Price : Direct Costs plus Profit, Indirect Cost (fixed, time- and value-related P&G) - BoQ - Contingencies

Item	Unit	Labour	Depreciation	Maintenance	Fuel-lubricants	Materials	Miscellaneous	Direct Costs incl. 5% Profit	%
Total Direct Costs	€-Cent	2.158.261.068	635.708.433	381.433.836	2.180.110.789	2.503.032.052	114.144.044	7.979.314.311	75%
Total Direct Costs in %	100%	27,0%	8,0%	4,8%	27,3%	31,4%	1,4%	=75% Direct Costs incl. 5% Profit	
		LAB = 0,27	PLANT / Equipment =0,41			MAT C.= 0,31	Misc C = 0,01		
Indirect Cost (P&G, overheads)		12,5 % Fixed indirect cost (Mobilization, Demobilization)						1.330.000.000	13%
		10% Time-related indirect costs (running operation costs without production)						1.064.000.000	10%
		2,5% Value-related indirect costs (e.g. extension of sureties / insurances)						266.000.000	3%
							2.660.000.000	25%	
Sub Total Bill 100 - Bill 2700	DC+IDC	Bill of Quantity costs entails all direct, indirect cost, risks, profit, final charges.						10.639.314.311	100%
CONTINGENCIES : (i) Provisional Sum + OH plus Profit (ii) Extension of Time, and (iii) Adjustment in Change of Costs / Variation of Prices									
(i) Provisional Sum ~ 5% of Cost Estimate (Physical Prov. Sum (Overheads + Profit))		Provisional Sum amount (part of physical contingencies for Variations + Adjustments)						531.965.716	5%
		5 % ONLY pursuant to SC 13.5 Provisional Sum (countercheck in Contract Data)						26.598.286	0,25%
(ii) Extension of Time : ~ 6 % of Subtotal		say 12,5% (Time+Value Related) for 24 Months, Extension of Time for Completion 12 months (theoretical EoT)							
a _ All Contractor's Facilities	assume	70% of 6% ?	12	month	37.237.600	€c / mo	446.851.201	4%	
b _ All Engineer's Facilities	assume	30% of 6% ?	12	month	15.958.971	€c / mo	191.507.658	2%	
			12 mo EMP determination		CON is obliged to fill in				
(iii) PRICE ADJUSTMENT / Variation of Prices		say 8-9 % Adjustments for Changing in Costs						957.538.288	9%
Given Discount (in words) will be applied for ALL Claims and ALL Variation Orders		to "read" out the Discount at Tender "Opening" !!!						minus Discount	???
Total TENDER PRICE incl Taxes, excl VAT								12.793.775.459	120%

Total Tender Price : Direct Costs plus Profit

	Item	Unit	Direct Costs incl. 5% Profit	Indirect Cost	IDC %	BoQ Cost	BoQ %	
Ind. Cost	100	PRELIMINARY & GENERAL	€-Cent	0		2.660.000.000	25,0%	
	101	Fixed : Mobilization/Dismantle	€-Cent	Fixed Installation	1.330.000.000	12,5%		12,5%
	102	Value related	€-Cent	Value-Related	266.000.000	2,5%		2,5%
	103	Time related	€-Cent	Time-Related	1.064.000.000	10,0%		10,0%
Direct Costs inclusive 5% Profit (1/20)	400	SITE CLEARANCE AND TOP SOIL STRIPPING	€-Cent	156.418.117	0	0,0%	156.418.117	1,5%
	500	EARTHWORKS	€-Cent	1.040.944.050	0	0,0%	1.040.944.050	9,8%
	700	EXCAVATION AND FILLING FOR STRUCTURES	€-Cent	94.020.852	0	0,0%	94.020.852	0,9%
	800	CULVERT AND DRAINAGE WORKS	€-Cent	238.984.324	0	0,0%	238.984.324	2,2%
	900	PASSAGE OF TRAFFIC	€-Cent	141.534.727	0	0,0%	141.534.727	1,3%
	1200	NATURAL MATERIAL BASE AND SUBBASE	€-Cent	597.127.851	0	0,0%	597.127.851	5,6%
	1300	GRADED CRUSHED STONE BASE	€-Cent	1.642.382.000	0	0,0%	1.642.382.000	15,4%
	1400	CEMENT AND LIME TREATED MATERIALS	€-Cent	792.282.177	0	0,0%	792.282.177	7,4%
	1500	BITUMINOUS SURFACE TREAT-MENT AND SURFACE DRESSING	€-Cent	348.481.060	0	0,0%	348.481.060	3,3%
	1600	BITUMINOUS MIXES	€-Cent	1.167.494.208	0	0,0%	1.167.494.208	11,0%
	1700	CONCRETE WORKS	€-Cent	1.078.556.802	0	0,0%	1.078.556.802	10,1%
	1900	STRUCTURAL STEEL WORK	€-Cent	291.180.210	0	0,0%	291.180.210	2,7%
	2000	ROAD FURNITURE	€-Cent	182.267.758	0	0,0%	182.267.758	1,7%
	2100	MISCELLANEOUS BRIDGE W.	€-Cent	80.160.585	0	0,0%	80.160.585	0,8%
	2200	DAYWORKS	€-Cent	84.018.652	0	0,0%	84.018.652	0,8%
	2300	BUILDINGS	€-Cent	943.242	0	0,0%	943.242	0,0%
	2500	HIV/AIDS AWARENESS CAMPAIGN	€-Cent	10.060.027	0	0,0%	10.060.027	0,1%
2600	ROAD SAFETY CAMPAIGN	€-Cent	11.623.340	0	0,0%	11.623.340	0,1%	
2700	CONCRETE BLOCK PAVING	€-Cent	20.834.330	0	0,0%	20.834.330	0,2%	
	Total Direct Costs	€-Cent	7.979.314.311	2.660.000.000	25,0%	10.639.314.311	100%	

Total Tender Price : Direct Costs plus Profit

Item	Unit	Direct Costs incl. 5% Profit	Indirect Cost	IDC %	BoQ Cost	BoQ %
Total Direct Costs	€-Cent	7.979.314.311	2.660.000.000	25,0%	10.639.314.311	100%
Total Direct Costs in %	100%	=75% Direct Costs incl. 5% Profit			indirect + direct costs plus 5% profit	
	LA					
Indirect Cost (P&G, overheads)		1.330.000.000	max. 25% P&G / indirect Cost			
		1.064.000.000				
		266.000.000				
		2.660.000.000				
Sub Total Bill 100 - Bill 2700	DC+IDC	10.639.314.311	5.320.000.000		10.639.314.311	100%
CONTINGENCIES : (i) Provisional Sum + OH plus Profit						
(i) Provisional Sum ~ 5% of Cost Estimate (Physical Prov. Sum (Overheads + Profit))		531.965.716				5,0%
		26.598.286	Please provide a separate Line in the ToC			0,25%
(ii) Extension of Time : ~ 6 % of Subtotal	say 12,5%		Do not request one months extension of time only,			
a _ All Contractor's Facilities	assume	446.851.201				~4 %
b _ All Engineer's Facilities	assume	191.507.658				~2 %
(iii) PRICE ADJUSTMENT / Variation of Prices		957.538.288				9%
Given Dicsount (in words) will be applied for ALL Claims and ALL Variation Orders		minus Discount	to "read" out the Discount at Tender "Opening" !!!			???
Total TENDER PRICE incl Taxes, excl VAT		12.793.775.459			12.793.775.459	120,25%