

BILL OF QUANTITIES / PREVENTIV

Project Name: "Road segment exit Elbasan-Prrrenjas-Qafe Thane" , Phase VII / Emri i Projektit: " Zgjerimi i segmentit rrugor dalje Elbasan-Prrrenjas-Qafe Thane", Faza VII						
No / Nr	No Analyze / Nr Analize	Item Description / Pershkrimi i zerit	Unit/ Njesi	Quantity / Sasia	Rate / Cmimi	Amount in All / Shuma ne Lek
SUMMARY / PERMBLEDHJE						
1		CATEGORY No 1: EARTH WORKS AND DEMOLITION / KATEGORIA Nr 1: PUNIME DHERASH DHE PRISHJET				
2		CATEGORY No 2: PAVEMENTS / KATEGORIA Nr 2: PUNIMET E SHTRRESAVE				
3		CATEGORY No 3: MINOR STRUCTURES / KATEGORIA Nr 3 : VEPRAT E VOGLA TE ARTIT				
4		CATEGORY No 4: TRAFFIC SIGN WORKS / KATEGORIA Nr 4: PUNIME SINJALISTIKE				
5		CATEGORY No 5: ADDITIONAL WORKS / KATEGORIA Nr 5: PUNIME SHTESE				
6		CATEGORY No 6: DISPLACEMENT WORK FOR HIGH VOLTAGE LINE / KATEGORIA 6: PUNIME PER SPOSTIM LINJA T / L				
7		SUBTOTAL -1				
8		PROVISIONAL / Rezerve			3%	
9		SUBTOTAL -2				
10		VAT / T V S H			20%	
11		TOTAL				
Main Road / Rruga Kryesore (Km16+460 - 22+000) L= 5540 m						
CATEGORY No 1: EARTH WORKS AND DEMOLITION / KATEGORIA Nr 1: PUNIME DHERASH DHE PRISHJET						
1		Small tree cutting and land clearing / Preje pemesh te vogla dhe pastrim tereni	m2	110,894.00		
2		Demolition of concrete structures + transport / Prishje struktura prej betoni + transport	m3	657.00		
3		Excavation of broken rock with an excavator 2.0 m³, rock, in foundations >2 m wide, with unloading in a vehicle / Germim shkemb i coptuar me ekskavator 2.0 m³, shkemb, ne themele gjeresi >2 m, me shkarkim ne mjet	m3	204,104.00		
4		Excavation of soil with excavator 2.0 m³, on channels width > 2 m, normal soil, category IV, unloading on vehicle / Germim dheu me ekskavator 2.0 m³, ne kanale gjeresi > 2 m, toke zak, kategoria IV, me shk ne mjet	m3	684,098.00		
5		Soil Transport auto up to 0.5 km / Transport dheu me auto deri 0.5 km	m3	684,098.00		
6		Filling with material borrowed from excavation in hard rock areas or riverbed, spread and compacted by machinery, according to the Technical Specifications / Mbushje me material te marre nga germimi i zonave shkembore ose shtratit te lumit, perhapur e ngjeshur me makineri, sipas Specifikimeve Teknike	m3	544,571.00		
7		Roadbed compaction with road roller, compaction up to 95% of modified AASHTO / Cilindrim tabani me rul dhe ngjeshja deri 95% te AASHTO te modifikuar	m2	158,005.00		
SUM 1 / SHUMA 1						
CATEGORY No 2: PAVEMENTS / KATEGORIA Nr 2: PUNIMET E SHTRRESAVE						
1		Crushed stone (5-40mm), t=2x2x15cm, compacted to 98% of density according to Proctor modified AASHTO / Shtrese çakelli (5-40mm), t=2x2x15cm, ngjeshur deri 98% e dendesise sipas Proktor i modifikuar AASHTO	m3	91,812.00		

2		Crushed Stone, 0-32.5 mm, t=20 mm, compacted to 98% of density according to Proctor modified AASHTO / Stabilizant, 0-32.5mm, t=20cm, ngjeshur deri 98% e dendesise sipas Proktor i modifikuar AASHTO	m2	135,291.00		
3		Conglomerat layer t=12cm / Shtrese konglomerati 12 cm, me makineri	m2	108,185.00		
4		Binder course, thickness 6 cm , (including tack coat) / Shtrese binder, trashesi 6 cm, (perfshi prajmer)	m2	108,185.00		
SUM 2 / SHUMA 2						
CATEGORY No 3: MINOR STRUCTURES / KATEGORIA Nr 3 : VEPRAT E VOGLA TE ARTIT						
a) Retaining and Bearing Walls / Muret mbajtes e prites						
1		Monolite Concrete Structures C 20/25 / Struktura monolite betoni C 20/25	m3	6,977.00		
2		Gravel layer, with excavated material / Nenshtrese cakelli ose zhavori, me material nga gemimi	m3	453.00		
3		Drainage layer with excavated material behind walls / Mbushje pas mureve me material filtrant nga germimi	m3	2,308.00		
4		Fill with clay behind walls / Mbushje me argjile pas mureve	m3	1,437.00		
5		Supply and install plastic pipe \varnothing 150mm / Furnizim, vendosje tuba plastmasi \varnothing 150	ml	2,377.00		
6		Supply and install plastic pipe \varnothing 100mm / Furnizim, vendosje tuba plastmasi \varnothing 100	ml	1,609.00		
7		Geotextile 180 g/m ² / Gjeotekstil me gramature 180 g/m ²	m2	1,426.00		
8		S.I Gabions (Zn-5%Al) coated hexagonal double twisted wire mesh, (mesh 6x8-8x10), filled with stones, (wire 2.7-3mm) / F.V Gabiona me rrjete teli (hekszagonal 6x8-8x10 te veshur me galfan(Zn-5%Al)) e gure kave, (tel 2.7-3mm)	m3	13,360.00		
9		Monolite Concrete Structures with crushed stone C 25/30 (R/C wall at piles) / Struktura monolite betoni me çakell C 25/30 (muri B/A i pilotave)	m3	1,929.00		
10		Monolite Concrete Structures with crushed stone C 25/30 (piles concrete) / Struktura monolite betoni me çakell C25/30 (betoni i pilotave)	m3	3,534.00		
11		S.I Steel reinforcement , Ç-5, \varnothing > 12mm (R/C wall at piles) / F V hekur betoni i zakonshem, Ç-5, \varnothing > 12mm (muri B/A i pilotave)	ton	151.00		
12		S.I Steel reinforcement , Ç-5, \varnothing > 12mm / F V hekur betoni i zakonshem, Ç-5, \varnothing > 12mm (per pilota)	ton	377.00		
13		Drilling with need of casing \varnothing 1000mm, depth (0-10m) / Shpim me sonda me nevojen per kemishim gjat procesit te shpimit \varnothing 1000mm, thelesia (0-10m).	ml	4,502.00		
14		Stone filling for Rip Rap, Dmin=100cm / Mbushje me gur kave per Rip Rap, Dmin=100cm	m3	7,879.00		
15		Monoaxial Geogrid Rt=80kN/m / Gjeogrid monoaxial Rterheqje=80 kN/m	m2	21,691.00		
16		Monoaxial Geogrid Rt=110kN/m / Gjeogrid monoaxial Rterheqje=110 kN/m	m2	14,279.00		
17		Monoaxial Geogrid Rt=150kN/m / Gjeogrid monoaxial Rterheqje=150 kN/m	m2	205,731.00		
18		Monoaxial Geogrid Rt=200kN/m / Gjeogrid monoaxial Rterheqje=200 kN/m	m2	118,530.00		
19		Monoaxial Geogrid Rt=300kN/m / Gjeogrid monoaxial Rterheqje=300 kN/m	m2	464,044.00		
20		Anti-erosion mat / Biomat anti erozion ne mure me toke te armuar	m2	12,733.00		
21		Planting with grass of reinforced soil wall facade and filling with vegetal soil t = 20cm / Mbjellje me bar ne fasade muri me toke te armuar dhe mbushje me dhe vegjetal t = 20cm	m2	12,733.00		
22		Steel Mesh Formwork / F V hekur betoni i zakonshem \varnothing 6 ~ 10mm, per mure me toke te armuar	ton	125.00		

Sum a) / Shuma a)					
b) Culverts (box and pipe) / Tombino (katrore dhe te rumbullakta)					
1		Excavation of soil with excavator 2.0 m³, on channels width > 2 m, normal soil, category IV, unloading on vehicle / Germim dheu me ekskavator 2.0 m³, ne kanale gjeresi > 2 m, toke zak, kategoria IV, me shk ne mjet	m3	7,737.00	
2		Soil Transport auto up to 0.5 km / Transport dheu me auto deri 0.5 km	m3	7,737.00	
3		Gravel layer, with excavated material / Nenshtrese cakelli ose zhavori, me material nga gemimi	m3	1,110.00	
4		Monolite concrete structures C 12/15 / Struktura monolite betoni C 12/15	m3	1,538.00	
5		Monolite Concrete Structures with crushed stone C 30/37 / Struktura monolite betoni me çakell C 30/37	m3	8,043.00	
6		S.I Steel reinforcement , Ç-5 / F V hekur betoni i zakonshem, Ç-5	ton	1,164.00	
7		Filling with material borrowed from excavation in hard rock areas or riverbed, spread and compacted by machinery, according to the Technical Specifications / Mbushje me material te marre nga germimi i zonave shkembore ose shtratit te lumit, perhapur e ngjeshur me makineri, sipas Specifikimeve Teknike	m3	21,130.00	
8		Waterproofing with 2 layers of bitumen / H/Izolim me emulsion, 2 duar bitum	m2	11,347.00	
11		S.I Concrete pipes Ø 1500 / F.V tuba betoni Ø 1500	ml	618.00	
Sum b) / Shuma b)					
c) Drainage, kerbs, gutters, concrete chanel / Drenazhe, bordura, kuneta, kanal betoni					
1		Monolite Concrete Structures C 20/25 (for gutters) / Struktura monolite betoni C 20/25 (per kuneta)	m3	1,554.00	
2		S.I Concrete kerbs 15x30 cm, including concrete for fixing / F V bordura betoni 15x30 cm, perfshi betonin per fiksime	ml	8,703.00	
Sum c) / Shuma c)					
d) Railway Underpass / Nenkalin hekurudhor					
1		Excavation of soil with excavator 2.0 m³, on channels width > 2 m, normal soil, category IV, unloading on vehicle / Germim dheu me ekskavator 2.0 m³, ne kanale gjeresi > 2 m, toke zak, kategoria IV, me shk ne mjet	m3	6,600.00	
2		Soil Transport auto up to 0.5 km / Transport dheu me auto deri 0.5 km	m3	6,600.00	
3		Levelling layer with excavated material / Shtrese niveluese nen mure me material te germuar ne trupin e rruges	m3	464.00	
4		Monolite concrete structures C 12/15 / Struktura monolite betoni C 12/15	m3	240.00	
5		Monolite Concrete Structures with crushed stone C 30/37 / Struktura monolite betoni me çakell C 30/37	m3	9,360.00	
6		S.I Steel reinforcement , Ç-5, Ø > 12mm / F V hekur betoni i zakonshem, Ç-5, Ø > 12mm	ton	1,241.30	
7		Waterproofing with 2 layers of bitumen / H/Izolim me emulsion, 2 duar bitum	m2	6,800.00	
Sum d) / Shuma d)					
SUM 3 / SHUMA 3					
CATEGORY No 4: TRAFFIC SIGN WORKS / KATEGORIA Nr 4: PUNIME SINJALISTIKE					
1		Side guardrail H2 with 3 waves on 1 side, W3 + accessories / Guardrail H2 anesore me 3 valez. ne 1 ane ,W3 + aksesoret	ml	8,700.00	
2		Road marking, longitudinal and side lines, width 15 cm. Acrylic paint (discontinued, yellow provisional) / Vijezim shiritat gjatesor dhe anesor me gjeresi 15 cm. Akrelrike (I nderprere, Provizor i verdhe)	ml	11,080.00	

3		Road marking, longitudinal and side lines, width 25cm. Acrylic paint (yellow provisional) / Vijezi shirita gjatesor dhe anesor me gjeresi 25 cm. Akrelike (Provizor i verdhe)	ml	22,160.00		
4		Acrylic Paint (yellow provisional) / Boje akrelike (Provizor i verdhe)	m2	340.00		
5		Simple guardrail terminals / Fundore guardrail me 3 valez.	pcs/ cope	32.00		
6		Big circular table with D = 90, CL2 / Tabele rrethore e madhe me D = 90, CL2	pcs/ cope	20.00		
7		Big triangular table with A = 120, CL2 / Tabela trekendore e madhe me A = 120, CL2	pcs/ cope	8.00		
8		Big square table with diagonal vertical 90x60, CL2 / Tabela katrore e madhe me diagonal vertikale 90x60, CL2	pcs/ cope	14.00		
9		Interurban direction signals HxL large 70x250 or 400, CL2 / Sinjalet e drejtim interurban HxL e madhe 70x250 ose 400, CL2	pcs/ cope	2.00		
10		Signals for highways, main interurban roads 500x400, CL2 / Sinjale per autostrada, rruge interurbane kryesore 500x400, CL2	pcs/ cope	4.00		
11		SI Signals for highways, main interurban roads, pole + sign 400x300 + sign 300x300, CL2 / FV Sinjale per autostrada, rruge interurbane kryesore, shtylla + table 400x300 + table 300x300, CL2	pcs/ cope	2.00		
12		Signals for highways, main interurban road 450x400, CL2 / Sinjale per autostrada, rruge interurbane kryesore 450x400, CL2	pcs/ cope	2.00		
13		Rectangular table (AxB) large 135x200 / Tabele drejtkendore (tregimi)(AxB) e madhe 135x200	pcs/ cope	10.00		
14		Single Chevron 90x90, CL2 / Pervijues modulare te kthesave (teke) 90x90, CL2	pcs/ cope	146.00		
15		Reflectors in New Jersey, every 30m / Reflektore ne New Jersey, cdo 30m	pcs/ cope	370.00		
16		Reflectors in walls, every 30m / Reflektore ne mure prites, cdo 30m	pcs/ cope	160.00		
17		Shock absorbers on the traffic island and in front of New Jersey, for a speed of 100 km/h / Amortizatore Goditje ne ishull dhe perpara new jersey, per shpejtesi 100 km/h	pcs/ cope	2.00		

SUM 4 / SHUMA 4

CATEGORY No 5: ADDITIONAL WORKS / KATEGORIA Nr 5: PUNIME SHITES

1		Traffic divider (New Jersey) / F.V. trafikndares (New Jersey)	ml	11,080.00		
2		Filling with clay at New Jersey / Mbushje e trafikndaresit me argjile	m3	8,365.00		
3		Geotextile with a weight of 180 g/m2, in traffic dividers / Gjeotekstil me gramature 180 g/m2, ne trafikndares	m2	20,498.00		
4		Planting the traffic divider with grass and filling it with soil t = 20cm / Mbjellje me bar e trafikndaresit dhe mbushje me dhe vegjetal t = 20cm	m2	9,972.00		
5		Concrete layer C 12/15 under the traffic divider, t=18cm / Shtrese betoni C 12/15 nen trafikndares, t=18cm	m3	2,493.00		
6		S.I drainage pipes ø 150, in traffic dividers (every 1m in superelevated areas) / FV tuba kullimi ø 150, ne trafikndares (cdo 1m ne zonat me mbilartesisim)	ml	11,950.00		
7		Planting the slopes with grass and filling with vegetal soil t = 20cm / Mbjellje me bar e skarpatave dhe mbushje me dhe vegjetal t = 20cm	m2	41,350.00		
8		Concrete C20/25 for Drainage Gutter on slopes (every 25m) / Beton C20/25 per Ulluk kullimi ne skarpate (cdo 25m)	m3	160.00		

9		S.I Reinforced steel Ø 6 ~ 10mm for drainage gutters on slopes (every 25 m) / F V hekur betoni i zakonshem Ø 6 ~ 10mm per Ulluk kullimi ne skarpate (cdo 25m)	ton	14.00		
10		Concrete C20/25 for Drainage channel on berms / Beton C20/25 per kanal kullimi ne berma	m3	436.00		
11		S.I Reinforced steel Ø 6 ~ 10mm for drainage channel on berms / F V hekur betoni i zakonshem Ø 6 ~ 10mm per kanal kullimi ne berma	ton	8.00		
14		S.I PVC pipes for the passage of optical fibers d=100mm / F.V. tuba p.v.c. per kalimin e fibrave optike d=100mm	ml	16,620.00		
15		S.I Metal pipe D = 140mm for the passage of engineering networks / F.V.Tub metalik D = 140mm per kalimin e rrjeteve inxhinierike	ml	831.00		
16		Filling with sand for pipe protection / Mbushje me rere per mbrojtjen e tubave	m3	1,330.00		
17		S.I R/C Manholes 80x80x150 for the optical fiber channel / F.V. puseta b/a 80x80x150cm per kanalin e fibrave optike	pcs/ cope	128.00		
18		S.I Centrifuged poles R/C C25/30, for moving the existing T/U line (including the line) / FV Shtylla shtylla te centrifuguara B. A. C25/30, per spostim linja ekzistuese T/U (perfshire linjen)	pcs/ cope	42.00		
SUM 5 / SHUMA 5						
CATEGORY No 6: DISPLACEMENT WORK FOR HIGH VOLTAGE LINE / KATEGORIA 6: PUNIME PER SPOSTIM LINJA T / L						
1		Excavation of soil for poles pits / Germim dheu per gropa shtyllash	m3	45.00		
2		Soil Transport auto up to 0.5 km / Transport dheu me auto deri 0.5 km	m3	45.00		
3		Filling with material borrowed from excavation in hard rock areas or riverbed, spread and compacted by machinery, according to the Technical Specifications / Mbushje me material te marre nga germimi i zonave shkembore ose shtratit te lumit, perhapur e ngjeshur me makineri, sipas Specifikimeve Teknike	m3	33.00		
4		Gravel layer, with excavated material / Nenshtrese cakelli ose zhavori, me material nga gemimi	m3	1.50		
5		Monolithic concrete structure C 20/25, poles foundations / Struktura monolite betoni C 20/25, bazamente shtylle	m3	12.00		
6		S.I Reinforced Steel, Ç- 5, Ø > 12mm / F V hekur betoni periodik, Ç- 5, Ø > 12mm	ton	0.48		
7		Metal pole for high voltage line, with welding, 35 - 110 kv, 1 circuit / Shtylla metalike per T / L, me saldim, 35 - 110 kv, 1 qark	ton	21.00		
8		Stretching and pulling 3 strands of wire (conductor) machine, al-steel, section 185 m/m ² / Shtrirje e terheqje 3 fije teli (percjellesa) makineri, al-celik, seksion 185 m/m ²	km	3.00		
9		Trosi traction stretch, 2 threads ç - 50 / Shtrirje terheqje Trosi, 2 fije ç - 50	km	3.00		
10		Electrical insulation works in lines, high voltage - 35 kv, in anchor poles, wire > 120mm ² / Punime izolimi elektrik ne linja, TL- 35 kv, ne shtylla ankerore, tel > 120mm ²	pole/ shtylla	9.00		
11		Disassembly of the existing high voltage electric poles, including the line / Ç'montim i shtyllave elektrike ekzistuese TL, perfshire linjen	pole/ shtylla	3.00		
SUM 6 / SHUMA 6						