

Permiresimi i aksesit nepermjet nderhyrjeve ne rruget e bardha, etj Faza III, Qarku (Shkodër, Kukës, Lezhë, Durrës, Tirana, Dibër)/Improvement of access through intervention in White Roads, etc. Fase III, Region (Shkodër, Kukës, Lezhë, Durrës, Tirana, Dibër)

Nr.	Nr. i An.	Emertimi i Punimeve/Description of Works	Njësia/Unit	Sasia/Quantity	Çmimi (Leke)/Price (ALL)	Shuma (Leke)/Total (ALL)
A PUNIME PRISHJE/DEMOLITION WORKS						
1	3.2	Prerje bime te vogla Ø-10cm /Removal of small vegetation (up to Ø10 cm)	m2	50,003.00		
2	3.405/1	Prishje struktura prej betoni/Demolition of concrete structure	m3	57.00		
3	3.405	Prishje struktura prej guri/Demolition of stone structure	m3	558.00		
B PUNIME GËRMIM – MBUSHJE DHE SKARIFIKIMI/EXCAVATION, FILLING AND SCARIFICATION WORKS						
1	3.89/a	Germim dhe me eskavator me goma 0.25 m³ ne kanale me gjeresi deri 2m toke e zakonshme kategori III me shk ne mjet (kasonete, trup rruge, veprat evogla te artit,ne themele, kanale , kunete)/Earth excavation with a 0.25 m³ wheeled excavator in trenches up to 2 m wide, ordinary soil, Category III, loaded onto transport vehicles (culverts, road embankments, minor structures, foundations, channels and drainage ditches).	m3	141,896.40		
2	3.99/b	Germim dhe me eskavator zingjir 0.25 m³, ne kanale gjeresi > 2 m, prani uji ~1m, kategoria III, me shk ne mjet/Earth excavation with a 0.25 m³ crawler excavator in trenches wider than 2 m, near water (≈1 m), Category III, loaded onto transport vehicles.	m3	4,716.00		
3	3.128/b	Germim shkemb i coptuar me eskavator 1.0 m³, shkemb, ne themele gjeresi >2 m, me shkarkim ne mjet/Excavation of fractured rock with a 1.0 m³ excavator in foundations wider than 2 m, loaded onto transport vehicles.	m3	71,223.00		
4	3.124/1a	Germim shkemb mesatar me çekiq me eskavator me zinxhir /Excavation of medium-hard rock using a hydraulic breaker mounted on a crawler excavator.	m3	60,830.00		
5	3.124/2a	Germim shkemb i forte me çekiq me eskavator me zinxhir/Excavation of hard rock using a hydraulic breaker mounted on a crawler excavator.	m3	27,321.00		
6	3.124/3a	Germim shkemb sek i lire, me mina te vogla,me eskavator 1 m³ + transport/Free rock excavation using light blasting, with a 1.0 m³ excavator and haulage.	m3	3,892.00		
7	3.161/1	Rrafshim skarpate ne germim/Trimming and shaping excavation slopes.	m2	23,436.00		
8	3.164/1a	Mbushje me material te germuar ne trupin e rruges, perhapur e ngjeshur me makineri/Road embankment fill with excavated material, spread and mechanically compacted	m3	95,056.00		
9	3.164/1b	Mbushje me cakell e gurore ne trupin e rruges, perhapur e ngjeshur me makineri/Road embankment fill with excavated material, spread and mechanically compacted.	m3	45,744.00		
10	3.158/5a	Transport dhe me auto deri 5.0 km/Transportation of excavated soil by truck up to 5.0 km	m3	152,534.00		
C PUNIME BETONI, B/ARME DHE MURE MBAJTESE/CONCRETE, REINFORCED CONCRETE AND RETAINING WALL WORKS						
1	3.89/a	Germim dhe me eskavator me goma 0.25 m³ ne kanale me gjeresi deri 2m toke e zakonshme kategori III me shk ne mjet/Earth excavation with a 0.25 m³ wheeled excavator in trenches up to 2 m wide, ordinary soil, Category III, loaded onto transport vehicles		348.00		
2	3.248	Struktura monolite betoni me cakell C 30/37 (per mure, soleta, etj.) (per mure, soleta ne ura b/arme)/Cast-in-place concrete structure, Class C30/37 (for walls, slabs, etc.)	m3	176.80		
3	3.245	Struktura monolite betoni C 25/30 (per mure b/arme)/Cast-in-place reinforced concrete structure, Class C25/30 (for reinforced concrete walls)	m3	656.80		
4	3.244	Struktura monolite betoni C 20/25(per kuneta, bordura, kanale, mure pritese dhe mbajtese, portale etj.)/Cast-in-place concrete structure, Class C20/25 (for drainage ditches, kerbs, channels, retaining walls, headwalls, etc.)	m3	2,045.00		
5	3.243	Struktura monolite betoni C 16/20 (themele, mure rrethues)/Cast-in-place concrete structure, Class C16/20 (for foundations and enclosure walls)	m3	1,729.00		
6	3.24	Struktura monolite betoni C 12/15/Cast-in-place concrete structure, C 12/15	m3	128.60		
7	3.287	F V hekur betoni i zakonshem Ø 6 ~ 10mm/S I of reinforcing steel Ø6~ 10 mm	ton	43.60		
8	3.288	F V hekur betoni i zakonshem Ø > 12mm/S I of reinforcing steel Ø>12 mm	ton	55.00		

9	3.323	Mur guri mbajtes e themele , llac cemento M 500/Stone retaining wall and foundations with M500 cement mortar	m3	1,039.00		
10	3.331	Gabiona me rrjete teli te zinguar e gure kave 1x1x1 m/Gabion baskets with galvanized wire mesh, filled with quarry stone, 1x1x1 m	m3	5,595.00		
11	3.332	Gabiona me rrjete teli te zinguar, gure kave 1x1x1.5 m/Gabion baskets with galvanized wire mesh, filled with quarry stone, 1x1x1.5 m	m3	4,708.00		
12	3.396/1	Mbushje me zhavorr pas mureve/Gravel backfill behind retaining	m3	1,113.00		
13	3.396	Mbushje me cakell pas mureve/Crushed stone backfill behind retain	m3	8,590.00		
14	3.654	Tuba drenimi PVC D=100 mm/Supply and installation of PVC drainage pipe Ø100 mm	ml	571.00		
15	3.624	H / Izolim me emulsion, 2 duar bitum/Waterproofing with bituminous emulsion, two coats	m2	132.00		
16	3.158/5a	Transport dheu me auto deri 5.0 km/Transportation of excavated soil by truck up to 5.0 km	m3	222.00		
D PUNIME PER KUB DHE TOMBINO/BOX CULVERT AND PIPE CULVERT WORKS				-		
1	3.89/a	Germim dheu me eskavator me goma 0.25 m³ ne kanale me gjeresi deri 2m toke e zakonshme kategori III me shk ne mjet/Earth excavation with a 0.25 m³ wheeled excavator in trenches up to 2 m wide, ordinary soil, Category III, loaded onto transport vehicles		6,673.00		
2	3.24	Struktura monolite betoni C 12/15, (shtresa e betonin nen themelin e murit, nen tombinot box, shtrat+ fiksime bordure)/Cast-in-place concrete structure, C 12/15 (blinding concrete beneath wall foundations, box culverts and kerb bedding layer)	m3	183.40		
3	3.244	Struktura monolite betoni C 20/25 (beton per kemishim / veshje argjinature, pusetat dhe portalet te tombinot rrethore)/Cast-in-place concrete structure, C 20/25 (concrete lining for embankments, manholes and headwalls of circular culverts)	m3	1,109.40		
4	3.624	H / Izolim me emulsion, 2 duar bitum/Waterproofing with bituminous emulsion, two coats	m2	459.00		
5	3.363	Tombino me tuba betoni Ø 400, mbi shtrese betoni/Concrete pipe culvert Ø400, laid on a concrete bedding	ml	28.00		
6	3.364	Tombino me tuba betoni Ø 500, mbi shtrese betoni/Concrete pipe culvert Ø500, laid on a concrete bedding	ml	28.00		
7	3.365	Tombino me tuba betoni Ø 600, mbi shtrese betoni/Concrete pipe culvert Ø600, laid on a concrete bedding	m	345.00		
8	3.366	Tombino me tuba betoni Ø 800, mbi shtrese betoni/Concrete pipe culvert Ø800, laid on a concrete bedding	m	246.00		
9	3.367	Tombino me tuba betoni Ø 1000, mbi shtrese betoni/Concrete pipe culvert Ø1000, laid on a concrete bedding	m	369.00		
10	3.369	Tombino me tuba betoni Ø 1500, mbi shtrese betoni/Concrete pipe culvert Ø1500, laid on a concrete bedding	m	89.00		
11	3.652	F.V. tuba tubo plastmasi d=200 mm (KUB)/S.I. PVC pipe Ø200 mm	m	56.00		
12	3.164/1t	F V tuba te brinjezuar HDPE SN8 d=315 mm/S.I. Corrugated HDPE SN8 pipe Ø315 mm	m	25.00		
13	3.164/2t	F V tuba te brinjezuar HDPE SN8 d=400 mm/S.I. Corrugated HDPE SN8 pipe Ø400 mm	m	56.00		
14	2.261	Shtrese rere/Sand layer	m3	56.00		
15	3.396	Mbushje me cakell pas mureve/Crushed stone backfill behind retain	m3	1,113.00		
16	3.396/1	Mbushje me zhavorr pas mureve/Gravel backfill behind retaining walls	m3	3,175.00		
17	3.401	Gjeotekstil me gramature 180 g/m2/Geotextile, 180 g/m²	m2	278.00		
18	3.401/1	Gjeotekstil me gramature 280 g/m2/Geotextile, 280 g/m²	m2	278.00		
19	3.378	Ndertim drenazhi,mbushje me zhavorr prodhuar mak/Construction of drainage system with mechanically produced gravel backfill	m3	167.00		
20	3.352	Mbushje me gur kave/Quarry stone backfill	m3	167.00		
21	3.353	Mbushje me shkemb te germuar me pare/Backfill with previously excavated rock	m3	167.00		
22	An.20	F V tub drenazhi me vrime Ø 315 mm/S.I. Perforated drainage pipe Ø315 mm	ml	167.00		
23	3.158/5a	Transport dheu me auto deri 5.0 km/Transportation of excavated soil by truck up to 5.0 km	m3	6,460.00		
E PUNIME PER SHITESAT RRUGORE, TROTUARI DHE RAKORDIMI ME AKSIN RRUGOR/PAVEMENT, SIDEWALK AND ROAD TIE-IN WORKS				-		
1	3.198	Cilindrim kasonete me rul/Compaction of subgrade with a roller	m2	64,492.00		
2	3.211	Shtrese cakelli mbeturine kave t=20cm, perhapur e ngjeshur makineri/20 cm quarry waste aggregate layer, spread and mechanically compacted	m2	5,565.00		

3	3.212	Shtrese cakulli t=10/15cm makadam perhapur dhe ngjeshur me makineri/10–15 cm macadam aggregate layer, spread and mechanically compacted	m2	139,612.00		
4	3.212/b	Shtrese stabilizant t=10cm/10 cm stabilizing layer	m2	5,844.00		
5	3.205/2	Shtrese zhavori lumi t=20cm, perhapur e ngjeshur me makineri/20 cm river gravel layer, spread and mechanically compacted	m2	41,815.00		
6	3.231/1	Shtrese asfaltobetoni me zall lavatrice, 3cm, me makineri/3 cm asphalt concrete wearing course with washed aggregate, machine laid	m2	2,226.00		
7	3.233/1	Shtrese asfaltobetoni me zall lavatrice, 4cm, me mak/4 cm asphalt concrete binder course with washed aggregate, machine laid	m2	2,226.00		
8	3.229/1	Shtrese binderi me zall lavatrice, 5cm, me makineri/5 cm asphalt binder course with washed aggregate, machine laid	m2	2,226.00		
9	3.222/2	Shtrese binderi me granil gur kave, 6cm, me makineri/6 cm asphalt binder course with crushed quarry aggregate, machine laid	m2	2,226.00		
10	3.62	Trotuar, me 6 cm beton, me pllaka/Sidewalk with a 6 cm concrete base and paving slabs	m2	223.00		
11	2.261	Shtrese rere, (Mbushje me material të shkrifet), në trotuare/Sand bedding layer (loose fill material) for sidewalks	m3	56.00		
12	3.616/a	F V bordura betoni 15x25 cm/S.I. Concrete kerbs 15x25 cm	ml	189.00		
F PUNIME PER SINJALISTIKEN/TRAFFIC SIGNAGE WORKS				-		
1	3.193	Guardrail H2 anesore me 3 valez. ne 1 ane , W4 + aksesoret/S.I. H2 roadside guardrail, triple-wave beam, single-sided, W4, including accessories	ml	1,113.00		
2	3.184	Guardrail- N2 anesore me 2 valez. ne 1 ane , W3 + aksesoret/S.I. N2 roadside guardrail, double-wave beam, single-sided, W3, including accessories	ml	9,962.00		
3	3.919	Fundore guardrail me 2 valez./S.I. Double-wave guardrail end terminal	cope	91.00		
4	3.921	Tabele katrore e vogël me A=40/S.I. Small square traffic sign, Type A-40	cope	26.00		
6	3.921/1	Tabele katrore normal me A=60/S.I. Standard square traffic sign, Type A-60	cope	35.00		
7	3.922	Tabele drejtkëndore (tregimi)(AxB) e zvogëluar 40x60/S.I. Small rectangular traffic sign (directional), 40x60 cm	cope	17.00		
8	3.922/1	Tabele drejtkëndore (tregimi)(AxB) e vogël 60x90/S.I. Rectangular traffic sign (directional), 60x90 cm	cope	12.00		
9	3.915	Parapet i njeanshem per beton (ø 60) + aksesoret/S.I. Single-sided steel safety barrier for concrete, ø60, including accessories	ml	33.00		
10	3.942/3	Vijezim shirita gjatesor dhe anesor me gjeresi 12 cm, Termoplastike (sprajt)/Thermoplastic longitudinal and edge road markings, 12 cm wide	ml	4,452.00		
11	3.946/1	Vijezimet e kalimit te kembesoreve. Bikomponente (paste)/Two-component pedestrian crossing markings	m2	67.00		
G PUNIME PER MBROJTJE ME PILOTA/PILE PROTECTION WORKS				-		
1	3.463	Shpim me sonda "UKS" Ø 0.6m, 25m./Drilling of UKS piles, Ø0.6 m, ~ 25 m deep	m	28.00		
2	3.455	Shpim me sonde Ø 0.8 m, ~ 15 m, (perde mbajttese)./Drilling of Ø0.8 m piles, approximately 15 m deep (retaining wall)	m	67.00		
3	3.463/1	Shpim me sonda "UKS" Ø 0.8m, ~ 25m./Drilling of UKS piles, Ø0.8 m, ~ 25 m deep	m	67.00		
4	3.464	Shpim me sonda ne toka te zakonshme Ø800mm, thellesia (0-10m)./Pile drilling in ordinary soil, Ø800 mm, depth 0–10 m	m	67.00		
5	3.465	Shpim me sonda ne toka te zakonshme Ø800mm, thellesia (10-20m)./Pile drilling in ordinary soil, Ø800 mm, depth 10–20 m	m	67.00		
6	3.457	Shpim me sonda "UKS" Ø 1m, ~20m, toke shkembor/Drilling of UKS piles, Ø1.0 m, approximately 20 m deep, in rock	m	39.00		
7	3.287	F V hekur betoni i zakonshem Ø 6 ~ 10mm/S.I. of reinforcing steel Ø6~ 10 mm	ton	2.80		
8	3.288	F V hekur betoni i zakonshem Ø > 12mm/S.I. of reinforcing steel Ø>12 mm	ton	16.70		
9	3.248	Struktura monolite betoni me çakell C 30/37 (per pilota, traun lidhes, mure b/ar me etj.)/Cast-in-place concrete, C 30/37 (for piles, tie beams, reinforced concrete walls, etc.)	m3	97.50		
10	3.245	Struktura monolite betoni C 25/30 /Cast-in-place concrete structure, C 25/30	m3	97.50		
11	3.396	Mbushje me cakell pas mureve/Crushed stone backfill behind retaining walls	m3	111.00		
12	3.396/1	Mbushje me zhavorr pas mureve/Gravel backfill behind retaining walls	m3	111.00		
H PUNIME PER MBROJTJEN E SKARPATAVE/SLOPE PROTECTION WORKS				-		

1	3.89/a	Germim dheu me ekskavator goma 0.25 m³, ne kanale gjeresi >2 m, toke zak, kategoria III, me shk ne mjet/Earth excavation with a 0.25 m³ wheeled excavator in trenches wider than 2 m, ordinary soil, Category III, loaded onto transport vehicles	m3	1,113.00		
2	3.128/b	Germim shkemb i coptuar me ekskavator 1.0 m³, shkemb, ne themele gjeresi >2 m, me shkarkim ne mjet/Excavation of fractured rock with a 1.0 m³ excavator in foundations wider than 2 m, loaded onto transport vehicles.	m3	1,113.00		
3	3.124/1a	Germim shkemb mesatar me çekiq me ekskavator me zinxhir /Excavation of medium-hard rock using a hydraulic breaker mounted on a crawler excavator.	m3	278.00		
4	3.124/2a	Germim shkemb i forte me çekiq me ekskavator me zinxhir/ Excavation of hard rock using a hydraulic breaker mounted on a crawler excavator	m3	278.00		
5	3.161	Rrafshim skarpate ne germim, ekskavator 1 m³/Trimming and shaping excavation slopes with a 1.0 m³ excavator	m2	6,678.00		
6	3.394	Mbrojtja e skarpatave me rrjete teli, nga renja e gureve/Slope protection with wire mesh against rockfall	m2	1,669.00		
7	3.4	Mbrojtja e shpateve nga renia e gureve me gjeomat , i perbere nga nje polimer tredimensional dhe rrjete teli me hapje heksagonale 6x8 cm i veshur me galfan Zn-5%Al/Slope protection against rockfall using geomats consisting of a three-dimensional polymer mat reinforced with galvanized Zn-5%Al hexagonal wire mesh (6x8 cm openings)	m2	1,669.00		
8	3.400/1	Mbrojtja e shpateve nga renia e gureve me rrjete teli orjentim ne nje drejtim, me hapje heksagonale 8x10 te perforcuar ne drejtimin 300gjatesor me kavo celiku anesore./Slope protection against rockfall with unidirectional wire mesh, 8x10 cm hexagonal openings, reinforced longitudinally with side steel cables	m2	1,669.00		
9	3.400/2	Mbrojtja e shpateve nga renia e gureve me rrjete teli orjentim ne nje drejtim150 me hapje heksagonale 8x10 te perforcuar ne drejtimin gjatesor me kavo celiku anesore dhe ne mes./Slope protection against rockfall with Type 150 unidirectional wire mesh, 8x10 cm hexagonal openings, reinforced longitudinally with side and intermediate steel cables	m2	1,669.00		
10	3.400/3	Mbrojtja e shpateve nga renia e gureve me rrjete teli (HR 30)ose e ngjashme me rezistence te larte me hapje heksagonale 8x10 te perforcuar ne drejtimin gjatesor me kavo celiku cdo 30 cm/Slope protection against rockfall with high-strength wire mesh (HR30 or equivalent), 8x10 cm hexagonal openings, reinforced longitudinally with steel cables spaced at 30 cm	m2	1,669.00		
11	3.400/4	Mbrojtja e shpateve nga renia e gureve me rrjete teli heksagonal 6x8 dhe diameter 2.2-2.4 mm te veshur me galfan(Zn-5%Al) me bordature anesore Ø 3.4/3.0 mm./Slope protection against rockfall with galvanized (Zn-5%Al) hexagonal wire mesh, 6x8 cm openings, wire diameter 2.2-2.4 mm, with side edge wire Ø3.4/3.0 mm	m2	1,669.00		
12	3.761/2	Torkretim me llac cemento 1: 2, t = 5 cm/Shotcrete with 1:2 cement mortar, 5 cm thick	m2	3,339.00		
13	3.761/3	Torkretim me llac cemento 1: 2, t = 3 cm/Shotcrete with 1:2 cement mortar, 3 cm thick	m2	3,339.00		
14	3.598	Torkretim me llac cemento 1:2, t = 15 cm/Shotcrete with 1:2 cement mortar, 15 cm thick	m2	3,339.00		
15	3.766	Ankera Ø ne tunele, periodik (Ankera veteshpuese me diameter dhe gjatesi te ndryshme)/Self-drilling rock anchors for tunnels, various diameters and lengths	ton	140.23		
16	3.764	Hekur beton periodik, ne tunele me S > 30 m² (Zgare metalike e elektrosalduar)/Periodic reinforcing steel for tunnels with cross-sectional area S > 30 m² (welded wire mesh)	ton	60.10		
17	An.	F.V. Tub kanalizimi pvc Ø 50 (per drenazhimin e mbrojtjes me beton te sprucuar)/S.I. PVC drainage pipe Ø50 mm (for drainage behind shotcrete protection)	ml	4,452.00		
18	3.643/a	F.V. Dhe' vegjetal per mbushje (brezat e gjelber)/S.I. Topsoil for landscaped areas (green belts)	m3	167.00		
19	3.961	F.V. Fidane Peme d>10cm (peme te zones, per stabilizimin e skarpatave)/S.I. Tree saplings, trunk diameter >10 cm (native species for slope stabilization)	cope	111.00		
Shuma Analiza/Subtotal (A+B+C+D+E+F+G+H)						
Siguria ne kantier (Planin e Sigurise e Kordinimit ne Kantier PSK, menaxhimin e trafikut dhe kontrolli)/Site safety (Construction				0.03		
Shuma pa TVSH/Total Excluding VAT						
TVSH (20%)/VAT (20%)				0.20		
Shuma me TVSH/Total (including VAT)						