REPUBLIKA HRVATSKA
FZOEU

Primljeno		30.12.2019.
Klasifikacijska oznaka		Org. jed.
018-04/17-02/4		07-2
Urudžbeni broj	Pril.	Vrij.
378-19-146	3	0,00

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TEL/FAX/MOB
021/ 568706
021/ 568710
098/ 264653
web: www.gt-trade.hr
GT trade
e-mail: gttrade@gt-trade.hr
Spinčićeva 2D
S P L I T

Izvođač radova: GT - TRADE d.o.o.
Adresa: Spinčićeva 2/D, 21000 Split

Investitor radova: EKO d.o.o.
Adresa: 32. ulica broj 7,
20271 Blato, Croatia
OIB: 97960781044

Interni broj situacije: **64/19**
Datum internog računa: 23.12.2019
Krajnji datum plaćanja računa: 20.1.2020

OBRAČUN IZVEDENIH RADOVA

Objekt: **SANACIJE DEPONIJA KOMUNALNOG OTPADA „SITNICA" - BLATO na KORČULI - br.ug. 2017/000532**
Remediation works of landfill Sitnica with closed leachate system - Contract No. 2017/000532
Mjesto: Blato na Korčuli
Vrsta radova: GRAĐEVINSLI, ZANATSKI I INSTALATERSKI RADOVI

Ugovor br. /	Ugovor br. 61039 od 11.10.2017., Contract registration No. 2017/000532	**Ugovoreni iznos bez PDV-a**		21.955.325,55
Dop. ugovor br.	I dodatak Ugovoru br. 61039 od 11.10.2017., Contract registration No. 2018/001202			8.725.812,64
Dop. ugovor br.	II dodatak Ugovoru br. 61039 od 11.10.2017., Contract registration No. 2019/000275	- // -	- // -	- // -
Dop. ugovor br.	III dodatak Ugovoru br. 61039 od 11.10.2017., Contract registration No. 2019/002971	- // -	- // -	- // -
Dop. ugovor br.	IV dodatak Ugovoru br. 61039 od 11.10.2017., Contract registration No. 2019/003730	- // -	- // -	- // -
Dop. ugovor br.	V dodatak Ugovoru br. 61039 od 11.10.2017., Contract registration No. 2019/004714	- // -	- // -	-120.421,76
Dop. ugovor br.	VI dodatak Ugovoru br. 61039 od 11.10.2017., Contract registration No. 2019/004966	- // -	- // -	118.763,21
UKUPNO				**30.679.479,64**

OKONČANA SITUACIJA GRADILIŠTA SANACIJE DEPONIJA KOMUNALNOG OTPADA „SITNICA" broj: OKONČANA

za izvršene radove zaključno s mjesecom 20. prosinca (12.) 2019 godine.

	Iznos bez PDV-a	PDV	Ukupan iznos
Ukupna vrijednost izvršenih radova	30.638.416,25	0,00	30.638.416,25
Ukupna vrijednost radova po prethodnoj situaciji	30.089.686,82	0,00	30.089.686,82
Ukupna vrijednost radova po ovoj privremenoj situaciji	548.729,43	0,00	548.729,43
Povrat povrata predujma po ovoj priv. situaciji %	0,00	0,00	0,00
Povrat sigurnosnog zadržaja (sustega) po prethodnim sit 10 %	3.008.968,68	0,00	3.008.968,68
Ukupno ostaje za naplatu po ovoj priv. situaciji:	**3.557.698,11**	**0,00**	**3.557.698,11**

(Slovima: trimilijunapetstotinapedesetsedamtisućašeststotinadevedesetosamkunaijedanaestlipa)

Ukupan iznos dobivenog predujma bez PDV-a	10,00 %	**2.195.532,56**
Obračunat predujam po prethodnim situacijama bez PDV-a		2.195.532,56
Obračunat predujam po ovoj situaciji bez PDV-a		0,00
Ukupno obračunat predujam bez PDV-a		2.195.532,56
Ostaje u predujmu bez PDV-a		0,00

OVO NIJE FISKALNI RAČUN.

Izvođač radova: Arsen Zoran Tonšić
Dne. 23.12.2019.

Nadzorni inženjer: Danijel Dujmović
Dne. 23.12.2019.

Voditelj projekta: Mario Bucat
Dne. 23.12.2019.

Investitor radova: Marino Sardelić
Dne. 23.12.2019.

GR-SIT-OKONČANA

Arhitektonski Kolektiv d.o.o.
Hrvatske mornarice 2, 21000 Split
OIB: 00654503684 Arhkolektiv.com

OBRAČUN SIGURNOSNOG ZADRŽAJA (SUSTEGE)

	10,00 %	
Iznos sigurnosnog zadržaja (Sustega)		
Obračunat iznos ukupnog sigurnosnog zadržaja (sustege) do ove situacije bez PDV-a		3.008.968,68
Obračunat povrat sigurnosnog zadržaja (sustege) bez PDV-a		3.008.968,68
Ukupno obračunat iznos sigurnosnog zadržaja (sustege) bez PDV-a		**0,00**

SANACIJA ODLAGALIŠTA KOMUNALNOG OTPADA "SITNICA"
GLAVNI PROJEKT
izmjene i dopune

TROŠKOVNIK RADOVA

Redni br. st.	Opis stavke	Item No.	Item description		TOTAL	SITUACIJA 12		OKONČANA SITUACIJA	
	SVEUKUPNA REKAPITULACIJA		TOTAL SUMMARY		UKUPNO	Sit. 12 (HRK)	Sit. 12 sveukupno (HRK)	Sit. Okončana (HRK)	Sit. okončana sveukupno (HRK)
I	ARHITEKTONSKI PROJEKT	A	ARCHITECTURAL WORKS		360.500,00	0,00	360.000,00	0,00	360.000,00
II	GRAĐEVINSKI PROJEKT - PROMETNICE	B	CIVIL WORKS - TRAFFIC AND MANIPULATIVE AREA		201.030,00	0,00	201.030,00	0,00	201.030,00
III	GRAĐEVINSKI PROJEKT - VODOOPSKRBA I ODVODNJA	C	CIVIL WORKS - WATER SUPPLY AND DRAINAGE		271.696,63	0,00	262.146,62	0,00	262.146,62
IV	GRAĐEVINSKI PROJEKT - KONSTRUKCIJA	D	CIVIL WORKS - CONSTRUCTION		361.187,18	0,00	357.025,94	0,00	357.025,94
V	GRAĐEVINSKI PROJEKT - ODLAGALIŠTE	E	CIVIL WORKS - LANDFILL (STAGE II, PHASE 1)		16.806.627,26	0,00	16.794.537,28	0,00	16.794.537,28
VI	STROJARSKI PROJEKT	F	MECHANICAL WORKS		265.000,00	0,00	265.000,00	0,00	265.000,00
VII	ELEKTROTEHNIČKI PROJEKT - ELEKTROINSTALACIJE	G	ELECTROTEHNICAL WORKS		576.265,00	91.841,00	540.460,00	30.120,00	570.580,00
VIII	DODATAK br. 1	H	ADENDA no. 1		10.679.277,74	0,00	10.670.927,74	0,00	10.670.927,74
		I	ADENDA no. 2		688.228,11	638.559,25	638.559,25	48.941,70	687.500,95
			ADENDA no. 3		469.667,73	0,00	0,00	469.667,73	469.667,73
	SVEUKUPNO (HRK) bez PDV-a		**TOTAL SUMMARY (HRK) without WAT**		**30.679.479,64**	**730.400,25**	**30.089.686,82**	**548.729,43**	**30.638.416,25**
	PDV		**WAT**		**7.669.869,91**	**182.600,06**	**7.522.421,70**	**137.182,36**	**7.659.604,06**
	SVEUKUPNO (HRK) s PDV-om		**TOTAL SUMMARY (HRK) with WAT**		**38.349.349,55**	**913.000,31**	**37.612.108,52**	**685.911,79**	**38.298.020,31**

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
				Unit	Quantity	Jedinična Rate	Ukupna Amount	Količina	Sit. 12 (HRK)	Količina	Sit. 12 sveukupno (HRK)	Količina	Sit.Ok (HRK)	Količina	Sit. Ok sveukupno (HRK)
1	2			3	4	5	6	9	10	11	12	9	10	11	12
I	**I - ZGRADA ZA OSOBLJE**	**A.1**	**Building for personnel**												
1.	**Monterski radovi**	**A.1.1**	**Installation works**												
	Nabava, doprema i ugradnja montažnog kontejnera		Supply, delivery and installation of prefabricated containers (type: residential and office containers) dimensions according to drawings 605 x 245 x 280 cm. The item includes a complete set of equipment and furniture for the office, small kitchen, closet, bathroom, table, shelves, chairs, air conditioning, doors, windows, flooring, installation, etc., all according to the drawings and designer's selection.												
	(tip: stambeno-poslovni kontejner) dimenzija prema		The container has a supporting structure of welded cold formed profiles. Containers are placed on previously prepared concrete slab												
	nacrtima 605 x 245 x 280 cm. Stavka uključuje		Color of containers: RAL 9002												
	kompletnu opremu i namještaj, za ured, mini kuhinju,		Calculation per piece.												
	garderobu, sanitarije, stol, police, stolice, klima uređaj,		List of furniture and equipment												
	vrata, prozore, pod, instalacije i ostalo, sve prema		-4 wardrobe cabinets												
	nacrtima i izboru projektanta.		-1 desk with two cabinets with drawers 580 x 75 cm												
	Kontejner ima nosivu konstrukciju od zavrenih hladno		-2 chairs (office)												
	oblikovanih profila. Kontejneri se postavlja na već		-office shelves (h = 220 cm, l = 450 cm)												
	pripremljenu ab ploču.		-kitchen, lower and upper elements (including a sink, smal stove, refrigerator, etc)												
	_Boja kontejnera: RAL 9002		-1 dinning table (180 x 40 cm - counter table) and 2 chairs												
	Obračun po komadu.		-Floor mat, clothes hanger, container for umbrellas etc												
	Popis namještaja i opreme:		-complete sanitary facilities (sink, toilet, toilet tank, mirror, etc.)												
	4 garderobna ormarića		Item includes all the work, supply and the necessary materials to complete certainty												
	1 radni stol s dva ladičara 580 x 75 cm														
	2 stolice (ured)														
	uredske police (h = 220 cm, l = 450 cm)														
	kuhinja donji i gornji elementi (uključuje sudoper, mali štednjak, frižider i sl.)														
	1 blagovaonski stol (180 x 40 cm - šank stol) i 2 stolice														
	Otirač, vješalica za odjeću, posuda za kišobrane i sl.														
	kompletne sanitarije (umivaonik, wc školjka, vodokotlić, ogledalo i sl.)														
	Stavka uključuje sav rad, dobavu i potreban materijal do potpune gotovosti.			kompl.	1,00	**65.000,00**	65.000,00	0,00	0,00	1,00	65.000,00	0,00	0,00	1,00	65.000,00
	2. Kompletno čišćenje i pranje svih prostora prije predaje	**A.1.2**	Complete cleaning and washing of all spaces before handing over the building. Including cleaning and washing of floor, wall and ceiling panels as well as carpentry and locksmithing with corresponding glazing												
	zgrade.														
	Uključivo čišćenje i pranje podnih, zidnih i stropnih obloga kao i stolarije i bravarije s pripadajućim ostakljenjem.			kompl.	1,00	**500,00**	500,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
	U K U P N O :	**A.1**	**Building for personnel TOTAL**				**65.500,00**		**0,00**		**65.000,00**		**0,00**		**65.000,00**

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
				Unit	Quantity	Jedinična Rate	Ukupna Amount	Količina	Sit. 12 (HRK)	Količina	it. 12 sveukupn (HRK)	Količina	Sit.Ok (HRK)	Količina	t. Ok sveukupn (HRK)
1	2			3	4	5	6	13	14	15	16	13	14	15	16
I	II - OGRADA	A.2	Fence												
1.	1. Monterski radovi														
1.1.	1.1. Ograda	A.2.1	Fence												
	955 m (ograda oko cijelog obuhvata)		;Supply, delivery and installation of wired fence. Height of completed fence, from finished terrain elevation is 2.0 m. It is made of steel columns and wired fence. Columns are treated with zinc on the outside and the inside and are plasticised (min. 60 micron). Fence foundation is a single foundation. Total dimensions of the cross section are 50/80 cm												
	Nabava, doprema i postavljanje žičane ograde. Visina		Columns are steel, galvanized with additional plastic protection as a final layer. They are placed at a maximum distance of 2,0 m, in the foundations.												
	kompletne ograde, od završne kote terena iznosi 2,0 m.		All these elements are included in the price, along with all the necessary fittings and works. All other details of the fence are to be carried out according to the design. All metal parts of the fence have to be grounded.												
	Izvodi se od čeličnih stupova i žičane ograde. Stupovi se		Item includes all works, supply and necessary materials to complete certainty.												
	pocinčavaju s vanjske i unutrašnje strane i plastificiraju		Color of the complete fence is dark green: RAL 6005.												
	(min. 60 mikrona). Temelj ograde je temelj samac.		Calculation per m' of the installed fence.												
	Ukupne dimemnzije poprečnog presjeka su 50/80 cm.														
	Stupovi su čelični, pocinčani s dodatnom pvc zaštitom kao														
	završnim slojem. Postavljaju se na međusobnom razmaku														
	maksimalno 2,0 m, u temelj.														
	Svi navedeni elementi su uključeni u cijenu, skupa sa														
	svim potrebnim spojnima materijalom i radom. Sve														
	ostale detalje ograde izvesti prema projektu. Sve metalne														
	dijelove ograde uzemljiti.														
	Stavka uključuje sav rad, dobavu i potreban materijal do														
	potpune gotovosti.														
	Boja kompletne ograde je tamno zelena: RAL 6005.														
	Obračun po m' montirane ograde.			m1	250,00	**250,00**	62.500,00	0,00	0,00	250,00	62.500,00	0,00	0,00	250,00	62.500,00
1.2.	**1.2. Dvokrilna zaokretna vrata dim. 570 x 157 cm**	A.2.2	Double turnaround enterance doors												
	Nabava i montaža dvokrilnih ulaznih vrata (kolni ulaz).		5,70 x 1,75 m												
	Širina. 570 cm, Visina. 157 cm, ispuna od pravokutnih		Supply and installazion of double hinged entrance doors (driveway)												
	cijevi 20 x 30 mm u okviru od kvadratnih cijevi 60 x 60		Width: 570 cm, Height: 157 cm, filling made of rectangular pipes 20x30 mm in the framework of square pipes 130x130 mm. The doors are equipped with the lock and the latch. Item includes installation of remote control (control of entry and exit in the building for personnel). It includes all the works, supply with the necessary materials to complete safety.												
	mm s nosivim stupovima od kvadratnih cijevi 130 x 130		Color of the doors is darg green: RAL 6005 (and the fence).												
	mm Vrata su opremljena s bravom i riglom Stavka		Calaculation per piece.												
	uključuje i ugradnju daljinskog upravljanja (kontrola ulaza														

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
				Unit	Quantity	Jedinična Rate	Ukupna Amount	Količina	Sit. 12 (HRK)	Količina	it. 12 sveukupn (HRK)	Količina	Sit.Ok (HRK)	Količina	t. Ok sveukupn (HRK)
1	2			3	4	5	6	13	14	15	16	13	14	15	16
I	II - OGRADA	A.2	Fence												
	i izlaza je u zgradi za osoblje). Stavka uključuje sav rad, dobavu i potreban materijal do potpune gotovosti. Boja vrata je tamno zelena: RAL 6005 (kao i ograda). Obračun po komadu.			kom	1,00	**19.000,00**	19.000,00	0,00	0,00	1,00	19.000,00	0,00	0,00	1,00	19.000,00
1.3.	**1.3. Jednokrilna zaokretna vrata dim. 100 x 200 cm**	A.2.3	Single hinged doors, dimensions 100 x 200 cm												
	Nabava i montaža jednokrilnih vrata (pješački ulaz). Širina: 100 cm, Visina: 157 cm, ispuna od pravokutnih cijevi 20 x 30 mm u okviru od kvadratnih cijevi 60 x 60 mm s nosivim stupovima od kvadratnih cijevi 130 x 130 mm. Vrata su opremljena s bravom i riglom. Stavka uključuje sav rad, dobavu i potreban materijal do potpune gotovosti Boja vrata je tamno zelena: RAL 6005 (kao i ograda). Obračun po komadu.		Supply and installazion of single hinged entrance doors (pedestrian entrance) Width: 100 cm, Height: 157 cm, filling made of rectangular pipes 20x30 mm in the framework of square pipes 130x130 mm. The doors are equipped with the lock and the latch. Item includes installation of remote control (control of entry and exit in the building for personnel). It includes all the works, supply with the necessary materials to complete certainty. Color of the doors is darg green: RAL 6005 (and the fence). Calaculation per piece.	kom	1,00	**5.000,00**	5.000,00	0,00	0,00	1,00	5.000,00	0,00	0,00	1,00	5.000,00
	U K U P N O :	**A.2**	**Fence TOTAL**				**86.500,00**		**0,00**		**86.500,00**		**0,00**		**86.500,00**

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
						Jedinična	Ukupna	Količina	Sit. 12 (HRK)	Količina	Sit. 12 sveukupno (HRK)	Količina	Sit.Ok (HRK)	Količina	Sit. Ok sveukupno (HRK)
				Unit	Quantity	Rate	Amount								
1	2			3	4	5	6	9	10	11	12	9	10	11	12
IV	**IV - OPREMA**	**A.4**	**Equipment**												
1.	**1. Oprema**	**A.4.1**	**Equipment**												
	Stavka uključuje dobavu i sav potreban rad za montiranje		Item includes supply and all necessary work for installation of containers and equipment (all according to the design)												
	kontejnera i opreme (sve prema projektu).		weigh 40 t												
	Vaga 40 t			komp	1,00	**200.000,00**	200.000,00	0,00	0,00	1,00	200.000,00	0,00	0,00	1,00	200.000,00
2.	**2. Protupožarni aparati i priručni alat**	**A.4.2**	Fire extinguishers and handy tool												
	Služe za lokaliziranje požara koji bi se eventualno mogli	**A.4.2.1**	They are used to localize fires that would eventually appear. They are placed in visible end easy accessible places at a height of 1.5 m, according to the plan given in Fire protection study. Envisaged extinguishers are dust type "S". Item includes supply, delivery and installation of fire extinguishers.												
	pojaviti. Postavljaju se na uočljivim i lako dostupnim mjestima na visini od 1.5 m, prema planu danom u Elaboratu zaštite od požara. Predviđeni su aparati na prah tipa "S".		S 6 kg												
	Stavka uključuje dobavu dopremu i montažu vatrogasnih aparata.														
	S 6 kg			komp	3,00	**1.000,00**	3.000,00	0,00	0,00	3,00	3.000,00	0,00	0,00	3,00	3.000,00
	Priručni alat sastoji se od lopate, krampa, motike,	**A.4.2.2**	A handy tool consists of shovel, pick, hoes, metal broom for fire extinguishing, 2 birch brooms for cleaning asphalt surfaces.												
	metalne metle za gašenje požara, 2 brezove metle za		Item includes supply and delivery of the specified set of handy tool.												
	čišćenje asfalnih površina.														
	Stavka uključuje dobavu i dopremu navedenog kompleta priručnog alata.			komp	1,00	**1.500,00**	1.500,00	0,00	0,00	1,00	1.500,00	0,00	0,00	1,00	1.500,00
		A.4.3.	Permanent Board												
			Graphic preparation and design of permanent board for the purpose of informing and visibility of the project according. The frame dimensions are 100x60 cm.	pcs	1,00	**4.000,00**	4.000,00	0,00	0,00	1,00	4.000,00	0,00	0,00	1,00	4.000,00
			Board will be of PVC with the text "Adriatic Sea Environmental Pollution Control Project (I), Remediation works of landfill Sitnica with closed leachate system" with specified year of ending of construction, with logos of World Bank, Global Environmental Facility (GEF), Environmental Protection and Energy Efficiency Fund.												
			Board shall be in Croatian Language.												
	U K U P N O :	**A.4**	**Equipment TOTAL**				**208.500,00**		**0,00**		**208.500,00**		**0,00**		**208.500,00**
1.	**ARHITEKTONSKI PROJEKT**														
	REKAPITULACIJA						**Ukupna cijena [HRK]**								
I	**ARHITEKTONSKI PROJEKT**	**A**	**ARCHITECTURAL WORKS**												
1	**ZGRADA ZA OSOBLJE**	**A.1**	**BUILDING FOR PERSONNEL**		4		**65.500,00**		**0,00**		**65.000,00**		**0,00**		**65.000,00**
2	**OGRADA**	**A.2**	**FENCE**		4		**86.500,00**		**0,00**		**86.500,00**		**0,00**		**86.500,00**
3	**KRAJOBRAZ**	**A.3**	**LANDSCAPING**		4		**0,00**		**0,00**		**0,00**		**0,00**		**0,00**
4	**OPREMA**	**A.4**	**EQUIPMENT**		4		**208.500,00**		**0,00**		**208.500,00**		**0,00**		**208.500,00**
	SVEUKUPNO	**A**	**ARHITECTURAL WORKS SUMMARY**		9		**360.500,00**		**0,00**		**360.000,00**		**0,00**		**360.000,00**

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
						Jedinična	Ukupna	Količina	Sit. 12 (HRK)	Količina	Sit. 12 sveukupno (HRK)	Količina	Sit.Ok (HRK)	Količina	Sit. Ok sveukupno (HRK)
1	2			Unit	Quantity	Rate	Amount								
				3	4	5	6	9	10	11	12	9	10	11	12
II	**II. PROMETNO MANIPULATIVNE POVRŠINE**	B	**CIVIL WORKS - TRAFFIC AND MANIPULATIVE AREA**												
1.	**1. Pripremni radovi**	B.1	**Preparation works**												
1.1.	1.1. Iskolčenje trase i objekata. Sva geodetska mjerenja kojima se podaci iz projekta prenose na teren ili s terena u projekte, za cijelo vrijeme građenja, odnosno do predaje radova investitoru, a mjeri se i plaća po m2.	B.1.1	Staking out of route and objects. All geodetic surveys where data from design are transferred to the field and vice versa, during entire building works period, i.e. until presentation of works to the investor, are measured and charged by m2.	komp	1,00	**3.000,00**	3.000,00	0,00	0,00	1,00	3.000,00	0,00	0,00	1,00	3.000,00
1.2.	1.2. Snimanje izvedenog stanja prometnih površina nakon potpunog dovršenja svih radova. Snimanje treba izvršiti ovlašteno poduzeće za tu vrstu radova. Obračun se vrši po snimljenoj površini.	B.1.2	Survey of the "as built" condition of the roadways after final completion of all works. Survey shall be performed by the authorized company. Calculation shall be based on surveyed area.	komp	1,00	**4.500,00**	4.500,00	0,00	0,00	1,00	4.500,00	0,00	0,00	1,00	4.500,00
1.3.	1.3. Regulacija prometa na potrebnim mjestima prilikom izvođenja radova. Osiguranje gradilišta svim potrebnim znakovima, svjetlosnom signalizacijom i sl.	B.1.3	Traffic regulation where necessary during works period. Safeguard of construction site, including all necessary signs, light signals and similar.	komp	1,00	**2.000,00**	2.000,00	0,00	0,00	1,00	2.000,00	0,00	0,00	1,00	2.000,00
1.	**1. Pripremni radovi ukupno:**	B.1	**Preparation works TOTAL**				**9.500,00**		**0,00**		**9.500,00**		**0,00**		**9.500,00**
2.	**Zemljani radovi i donji ustroj kolničke konstrukcije**	B.2	**Excavation works and sub base of roadway**												
2.1.	2.1. Iskop postojećeg terena B kategorije za izradu platoa i prometnica. A ktg umjesto B (HRN U.E1.010) Rad obuhvaća široke iskope za debljinu proračunate kolničke konstrukcije. Pri izradi iskopa treba provesti sve mjere sigurnosti pri radu i sva potrebna osiguranja postojećih objekata, instalacija i komunikacija. Široki iskop treba obavljati upotrebom odgovarajuće mehanizacije, a ručni rad treba ograničiti na neophodni	B.2.1	Excavation on existing ground of category B for construction of plateau and roads. (HRN U.E1.010) Works include wide excavation for construction of the calculated roadway layer thickness. Safety precautions and required safeguard of existing objects, installations and communications shall be undertaken during excavation. Adequate machines shall be engaged in wide excavation, while manual excavation should be limited to required minimum. Extreme precautions shall be applied during excavation, while excavation adjacent to installation shall be performed manually. Manual excavation volume is assumed to be 20%. All excavations shall be arranged in line with foreseen elevations and slope as per design and in accordance to the supervisory engineer requirements. Calculation shall be based on the m3 of excavated material in crammed condition.												

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
						Jedinična	Ukupna	Količina	Sit. 12 (HRK)	Količina	Sit. 12 sveukupno (HRK)	Količina	Sit.Ok (HRK)	Količina	Sit. Ok sveukupno (HRK)
1	2			3	4	5	6	9	10	11	12	9	10	11	12
II	II. PROMETNO MANIPULATIVNE POVRŠINE	B	CIVIL WORKS - TRAFFIC AND MANIPULATIVE AREA												
	minimum. Iskope treba vršiti krajnje oprezno. Predviđa se 20% ručnog iskopa. Sve iskope treba urediti prema predviđenim visinskim kotama i nagibima u projektu, te prema zahtjevu nadzornog inženjera. Obračun se vrši po m3 iskopanog materijala u srasłom stanju.			m3	53,00	**40,00**	2.120,00	0,00	0,00	53,00	2 120,00	0,00	0,00	53,00	2.120,00
2.2.	2.2. Izrada nasipa od šljunka ili kamenog materijala: Ovaj rad obuhvaća:- dopremu nasipnog materijala od šljunka ili kamenog materijala iz iskopa- nasipavanje i zasipanje slojevima od 30 cm,- eventualno vlaženje ili sušenje te zbijanje i planiranje materijala u nasipu prema dimenzijama i nagibima danim u projektu.Nasip ispod kolnih površina izvodi se od šljunka ili kamenog materijala u slojevima čija se debljina određuje u ovisnosti u vrsti materijala i nabijačima. Nabijanje treba izvoditi tako da se kod svakog sloja postigne ME= 40 N/mm2 Obračun se vrši po m3 izrađenog nasipa u nabijenom stanju. Ovo podrazumjeva zemljano kameni materijal za trup nasipa. Frakcija do 30 cm	**B.2.2**	Making the embankment of gravel or stone (dolomite): This work includes: - delivery of the filling material of gravel or stone (dolomite) from site-reclamation and siltation layers of 30 cm - possibly wetting or drying, and compaction and planning materials in the embankment by the dimensions and grades given in the project. Mound under gates surface running of gravel or stone (dolomite) in the layer whose thickness is determined depending on the type of material and the compactor. Tamping should be done so that every layer reaches ME = 40 N/mm2. The calculation is done per m3 made embankments in packed condition.	m3	284,00	**27,00**	7.668,00	0,00	0,00	284,00	7.668,00	0,00	0,00	284,00	7.668,00
2.3.	2.3. Izrada posteljice kolničke konstrukcije. Uređenje jalovinski materijal temeljnog tla mehaničkim zbijanjem. U cijenu je uključeno prethodno čišćenje te planiranje i rad potreban za postizanje optimalne vlažnosti vezanih tala, vlaženjem ili rahljenjem i sušenjem. Kod stjenovitih tala u usjeku u cijeni je uključeno izravnanje slojem usitnjenog kamenog materijala debljine do 20 cm sa zbijanjem.Obračun po m3 odvezenog materijala u	**B.2.3**	Construction of roadway bed. Mechanical compaction of roadway base layer. The price includes previous cleaning and leveling as well as work necessary to obtain optimal soil moisture either by damping or drying and crushing. For stony ground, the price includes leveling with up to 20 cm layer of small stones and compaction. Performance, quality control and calculation of charges according to the General technical conditions for roadworks.											

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						Jedinična	Ukupna	Količina	Sit. 12 (HRK)	Količina	Sit. 12 sveukupno (HRK)	Količina	Sit.Ok (HRK)	Količina	Sit. Ok sveukupno (HRK)
				Unit	Quantity	Rate	Amount								
1	2			3	4	5	6	9	10	11	12	9	10	11	12
II	**II. PROMETNO MANIPULATIVNE POVRŠINE**	**B**	**CIVIL WORKS - TRAFFIC AND MANIPULATIVE AREA**												
	sraslom stanju. Obračun po m2			m2	537,00	**15,00**	8.055,00	0,00	0,00	537,00	8.055,00	0,00	0,00	537,00	8.055,00
2.4.	2.4. Izrada tamponskog sloja kolničke konstrukcije debljine 40 cm i 20 cm Dobava i dostava šljunka ili drobljenca, te izrada tamponskog sloja kolničke konstrukcije ukupne debljine 40 cm i 20 cm. Za izradu ovog sloja koristiti šljunak odgovarajućeg granulometrijskog sastava i propisane čistoće, što je potrebno prethodno ispitati. Sabijanje vršiti odgovarajućim vibracionim strojevima, a potrebno je postići zbijenost od Me = 60 MN/m . Obračun se vrši po m3 ugrađenog potrebnog šljunka.	**B.2.4**	Construction of roadway buffer layer (40 cm thick). Procurement and supply of gravel or crushed stones, construction of roadway buffer layer of total thickness equal to 40 cm. Gravel of adequate size class and required purity, previously examined, shall be used. Compaction with adequate compactors in order to obtain bulk density of Me = 60 MN/m . The calculation shall be based on m3 of required and used gravel.	m3	214,80	**75,00**	16.110,00	0,00	0,00	214,80	16.110,00	0,00	0,00	214,80	16.110,00
2.	**Zemljani radovi i donji ustroj kolničke**	**B.2**	**Excavation works and sub base of roadway TOTAL**												
	konstrukcije ukupno:						**33.953,00**		**0,00**		**33.953,00**		**0,00**		**33.953,00**
3.	**3. Kolnička konstrukcija**	**B.3**	**Pavement structure**												
3.1.	3.1. Strojna izrada bitumeniziranog nosivog sloja, proizvedenog i ugrađenog po vrućem postupku, vrste bitumena i mješavine prema potvrđenom radnom sastavu. Za srednje prometno opterećenje, vrste AC 22 base 50/70, u sloju debljine 8,0 cm za prometnice i manipulativne površine. U cijenu je uključena dobava prethodno strojno proizvedene mješavine od kamenog brašna, kamenog materijala i bitumena kao veziva, nazivne veličine najvećeg zrna, vrste kamenog materijala i granulometrijskog sastava prema odredbama u projektu i u skladu prema OTU, te utovar, prijevoz, i strojna ugradba (razastiranje i zbijanje). Obračun se vrši po m2 izvedene površine.	**B.3.1**	Machine paving of bitumen support layer, mixed and laid using hot mixed technology with bitumen and mixture of approved working composition. For a medium traffic load, type AC 22 base 50/70, layer thickness 8,0 cm for roads and handling areas The price shall include supply of machine made mixture of stone dust, gravel and bitumen as binder, of largest granule nominal size, stone type and granularity as per directives stated in design, as well as loading, transport and machine paving (scattering and compaction).	m2	537,00	**145,00**	77.865,00	0,00	0,00	537,00	77.865,00	0,00	0,00	537,00	77.865,00
3.2.	3.2. Strojna izrada habajućeg sloja od asfaltbetona,	**B.3.2**	Machine paving of top layer in hot mix asphalt concrete (HS-AB), bitumen type and mixture of approved working composition.												

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						Jedinična	Ukupna	Količina	Sit. 12 (HRK)	Količina	Sit. 12 sveukupno (HRK)	Količina	Sit.Ok (HRK)	Količina	Sit. Ok sveukupno (HRK)
1	2			3	4	5	6	9	10	11	12	9	10	11	12
II	II. PROMETNO MANIPULATIVNE POVRŠINE	B	CIVIL WORKS - TRAFFIC AND MANIPULATIVE AREA												
	proizvedenog i ugrađenog po vrućem postupku, vrste bitumena i mješavine prema potvrđenom radnom sastavu. Za srednje prometno opterećenje, vrsta AC 11 surf 50/70, u sloju debljine 4,0 cm za prometnice i manipulativne površine. U cijenu je uključena dobava prethodno strojno proizvedene mješavine od kamenog brašna, kamenog materijala i bitumenskog veziva (cestograđevni bitumen ili polimerom modificirani bitumen), vrste kamenog materijala i granulometrijskog sastava po načelu najgušće smjese, a sve prema odredbama u projektu, te utovar, prijevoz, i strojna ugradba (razastiranje i zbijanje). Obračun se vrši po m2 izvedene površine.		For a medium traffic load, type AC 11 surf 50/70, layer thickness 4,0 cm for road and handling areas. The price shall include supply of machine made mixture of stone dust, gravel and bitumen as binder (road paving bitumen or polymer modified bitumen), stone type and granularity based on the thickest mixture rule, loading, transport, machine paving (scattering and compaction).	m2	537,00	91,00	48.867,00	0,00	0,00	537,00	48.867,00	0,00	0,00	537,00	48.867,00
3.3.	3.3. Ugradnja betonskih rubnjaka 15x25x100 cm. Betonski rubnjaci dobavljaju se kao gotovi betonski elementi koji moraju zadovoljavati sljedeće uvjete; - betonski rubnjaci moraju biti izvedeni od betona tlačne čvrstoće C40/45, - gotovi betonski elementi moraju imati ravne bridove i plohe bez pukotina i oštećenja, - ugrađivanje oštećenih komada se nedozvoljava, - rubnjaci se ugrađuju po pravcu i niveleti na betonsku podlogu C16/20 Ova stavka obuhvaća sljedeće; - dobava gotovih betonskih elemenata rubnjaka C40/45 sa svim razvozima rubnjaka po gradilištu. - priprema podloge s potrebnim iskopom ili nasipavanjem i zbijanjem,	B.3.3	Installation of concrete curb 15x25x100 cm. Concrete curbs supplied as a precast concrete elements which must meet the following requirements; - Concrete curbs must be made of concrete compressive strength C40 / 45, - Precast concrete elements must have straight edges and surfaces without cracks, - Incorporation of damaged pieces cannot allow, - Curbs are installed along the line and finished grade on concrete C16 / 20 This item includes the following; - Supply of prefabricated concrete elements curb C40 / 45 with all drive the curb at the construction site. - Preparation of the substrate with the necessary excavation or filling and compaction, - Design and installation of concrete pads compressive strength C16 / 20 to the processing and plating, - Laying concrete curbs in the direction and leveling, - All transports and transfers concrete and auxiliary materials, - Watering joints with cement mortar 1: 4, - It concrete and quality testing curbs and pads with obtaining certificates, Dimensions curbs are 15 x 25 x 100 cm.										

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						Jedinična	Ukupna	Količina	Sit. 12 (HRK)	Količina	Sit. 12 sveukupno (HRK)	Količina	Sit.Ok (HRK)	Količina	Sit. Ok sveukupno (HRK)
1	2			3	4	5	6	9	10	11	12	9	10	11	12
II	II. PROMETNO MANIPULATIVNE POVRŠINE	B	CIVIL WORKS - TRAFFIC AND MANIPULATIVE AREA												
	- izrada i ugradnja podloge od betona tlačne čvrstoće C16/20 sa obradom i oplatom, - polaganje rubnjaka u beton po pravcu i niveleti, - svi prevozi i prenosi betona i pomoćnog materijala, - zalijevanje spojnica cementnim mortom 1:4, - njega betona te ispitivanje kvalitete rubnjaka i podloge sa pribavljanjem atesta, Dimenzije rubnjaka su 15 x 25 x 100 cm. Obračun po m' ugrađenog betonskog rubnjaka.		Calculation per m 'built a concrete curb.	ml	160,00	**135,00**	21.600,00	0,00	0,00	160,00	21.600,00	0,00	0,00	160,00	21.600,00
3.	**3. Kolnička konstrukcija ukupno:**	**B.3**	**Pavement structure TOTAL**				**148.332,00**		**0,00**		**148.332,00**		**0,00**		**148.332,00**
4.	**4. Pješačka staza**	**B.4**	**Walkaway**												
4.1.	4.1. Strojna izrada bitumeniziranog nosivog sloja, proizvedenog i ugrađenog po vrućem postupku, vrste bitumena i mješavine prema potvrđenom radnom sastavu. Za srednje prometno opterećenje, vrste AC 22 base 50/70, u sloju debljine 5,0 cm za prometnice i manipulativne površine. U cijenu je uključena dobava prethodno strojno proizvedene mješavine od kamenog brašna, kamenog materijala i bitumena kao veziva, nazivne veličine najvećeg zrna, vrste kamenog materijala i granulometrijskog sastava prema odredbama u projektu i u skladu prema OTU, te utovar, prijevoz, i strojna ugradba (razastiranje i zbijanje). Obračun se vrši po m2 izvedene površine.	**B.4.1**	Machine paving of bitumen support layer, mixed and laid using hot mixed technology with bitumen and mixture of approved working composition. For a medium traffic load, type AC 22 base 50/70, layer thickness 4,0 cm for roads and handling areas. The price shall include supply of machine made mixture of stone dust, gravel and bitumen as binder, of largest granule nominal size, stone type and granularity as per directives stated in design, as well as loading, transport and machine paving (scattering and compaction).	m2	31,00	**90,00**	2.790,00	0,00	0,00	31,00	2.790,00	0,00	0,00	31,00	2.790,00
4.2.	4.2. Strojna izrada habajućeg sloja od asfaltbetona, proizvedenog i ugrađenog po vrućem postupku, vrste bitumena i mješavine prema potvrđenom radnom sastavu. Za srednje prometno opterećenje, vrsta AC 11 surf 50/70, u sloju debljine 4,0 cm za prometnice i manipulativne	**B.4.2**	Machine paving of top layer in hot mix asphalt concrete (HS-AB), bitumen type and mixture of approved working composition. For a medium traffic load, type AC 11 surf 50/70, layer thickness 5,0 cm for road and handling areas. The price shall include supply of machine made mixture of stone dust, gravel and bitumen as binder (road paving bitumen or polymer modified bitumen), stone type and granularity based on the thickest mixture rule, loading, transport, machine paving (scattering and compaction).												

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						Jedinična	Ukupna	Količina	Sit. 12 (HRK)	Količina	Sit. 12 sveukupno (HRK)	Količina	Sit.Ok (HRK)	Količina	Sit. Ok sveukupno (HRK)
				Unit	Quantity	Rate	Amount								
1	2			3	4	5	6	9	10	11	12	9	10	11	12
II	II. PROMETNO MANIPULATIVNE POVRŠINE	B	CIVIL WORKS - TRAFFIC AND MANIPULATIVE AREA												
	površine. U cijenu je uključena dobava prethodno strojno proizvedene mješavine od kamenog brašna, kamenog materijala i bitumenskog veziva (cestograđevni bitumen ili polimerom modificirani bitumen), vrste kamenog materijala i granulometrijskog sastava po načelu najgušće smjese, a sve prema odredbama u projektu, te utovar, prijevoz, i strojna ugradba (razastiranje i zbijanje). Obračun se vrši po m2 izvedene površine.			m2	31,00	**105,00**	3.255,00	0,00	0,00	31,00	3.255,00	0,00	0,00	31,00	3.255,00
4.3.	4.3. Ugradnja betonskih rubnjaka 8x20x50 cm. Betonski rubnjaci dobavljaju se kao gotovi betonski elementi koji moraju zadovoljavati sljedeće uvjete; - betonski rubnjaci moraju biti izvedeni od betona tlačne čvrstoće C40/45, - gotovi betonski elementi moraju imati ravne bridove i plohe bez pukotina i oštećenja, - ugrađivanje oštećenih komada se nedozvoljava, - rubnjaci se ugrađuju po pravcu i niveleti na betonsku podlogu C16/20 Ova stavka obuhvaća sljedeće; - dobava gotovih betonskih elemenata rubnjaka C40/45 sa svim razvozima rubnjaka po gradilištu. - priprema podloge s potrebnim iskopom ili nasipavanjem i zbijanjem, - izrada i ugradnja podloge od betona tlačne čvrstoće C16/20 sa obradom i oplatom, - polaganje rubnjaka u beton po pravcu i niveleti, - svi prevozi i prenosi betona i pomoćnog materijala, - zalijevanje spojnica cementnim mortom 1:4, - njega betona te ispitivanje kvalitete rubnjaka i podloge sa pribavljanjem atesta, Dimenzije rubnjaka su 8 x 20 x 50 cm. Obračun po m' ugrađenog betonskog rubnjaka.	**B.4.3**	Installation of concrete curbs 8x20x50 cm around the sidewalk near the building for staff. Concrete curbs supplied as a precast concrete elements which must meet the following requirements; - Concrete curbs must be made of concrete compressive strength C40 / 45, - Precast concrete elements must have straight edges and surfaces without cracks, - Incorporation of damaged pieces cannot allow, - Curbs are installed along the line and finished grade on concrete C16 / 20 This item includes the following; - Supply of prefabricated concrete elements curb C40 / 45 with all drive the curb at the construction site. - Preparation of the substrate with the necessary excavation or filling and compaction, - Design and installation of concrete pads compressive strength C16 / 20 to the processing and plating, - Laying concrete curbs in the direction and leveling, - All transports and transfers concrete and auxiliary materials, - Watering joints with cement mortar 1: 4, - It concrete and quality testing curbs and pads with obtaining certificates, Dimensions curbs are 8 x 20 x 50 cm. Calculation per m 'built a concrete curb.	m2	0,00	**100,00**	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
4.	**4. Pješačka staza ukupno:**	**B.4**	**Walkaway TOTAL**				**6.045,00**		**0,00**		**6.045,00**		**0,00**		**6.045,00**
5.	**5. Oprema ceste**	**B.5**	**Roadway infrastructure**												

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						Jedinična	Ukupna	Količina	Sit. 12 (HRK)	Količina	Sit. 12 sveukupno (HRK)	Količina	Sit.Ok (HRK)	Količina	Sit. Ok sveukupno (HRK)
				Unit	Quantity	Rate	Amount								
1	2			3	4	5	6	9	10	11	12	9	10	11	12
II	**II. PROMETNO MANIPULATIVNE POVRŠINE**	**B**	**CIVIL WORKS - TRAFFIC AND MANIPULATIVE AREA**												
5.1.	5.1. Iskop za temelje, izrada betonskih temelja, oblika krnje	**B.5.1**	Excavation of foundations, fabrication of concrete foundations (truncated pyramid like, with base and top edge length of 30 and 20 cm respectively) made of class C 20/25 concrete, including supply, installation and treatment and backfilling and removal of excess material after completion.												
	piramide sa stranicama donjeg kvadrata 30 cm i gornjeg		The price includes supply of material, form board for foundation, installation of anchoring and support pads for fixing the pole.												
	20 cm i dubine min 80 cm, od betona klase C 20/25 s		Calculation shall be based on number of completed foundations.												
	dobavom, ugradbom i njegom betona te zatrpavanje nakon izrade temelja materijalom iz iskopa s odvozom viška materijala na deponij. U cijeni je uključena dobava materijala, oplata temelja, ugradba ankera i podložnih ploča za pričvršćivanje stupa. Obračun je po broju komada izvedenih temelja.			kom	2,00	**300,00**	600,00	0,00	0,00	2,00	600,00	0,00	0,00	2,00	600,00
5.2.	5.2. Postavljanje nosača (stupova) za pričvršćenje prometnih	**B.5.2**	Setting traffic sign posts (supports), one post per sign, made of Fe pipe, dia 63,5 mm, hot galvanized 85 µm layer or double system of the same protection, dimensions and type in accordance to the traffic infrastructure and signals design and in line with Regulations on traffic signs, infrastructure and signals on road (Official Gazette No. 33/2005) and Croatian Standard HRN EN 12899-1.												
	znakova od jednog stupa za jedan prometni znak, od Fe		The price includes supply and setting of post according to design (made of aluminum or Fe pipes), including transport, shifting and storage as well as all works and materials for installation according to design requirements.												
	cijevi promjera 63,5 mm s zaštitom vrućim		Calculation shall be based on number of signs set.												
	pocinčavanjem prosječne debljine 85 pm odnosno dvostruki sustav iste zaštite, dimenzija i vrste prema projektu prometne opreme i signalizacije, a u skladu s Pravilnikom o prometnim znakovima, opremi i na cestama (NN br. 33/2005.) i HRN EN 12899-1. U cijeni je uključena dobava i postava stupova prema projektu (od aluminijskih ili od Fe cijevi), svi prijevozi i prijenosi s skladištenjem te sav rad i materijal za ugradnju po uvjetima iz projekta. Obračun je po broju komada ugrađenih nosača (stupova).			kom	2,00	**600,00**	1.200,00	0,00	0,00	2,00	1.200,00	0,00	0,00	2,00	1.200,00

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
						Jedinična	Ukupna	Količina	Sit. 12 (HRK)	Količina	Sit. 12 sveukupno (HRK)	Količina	Sit.Ok (HRK)	Količina	Sit. Ok sveukupno (HRK)
1	2			3	4	5	6	9	10	11	12	9	10	11	12
II	H. PROMETNO MANIPULATIVNE POVRŠINE	B	CIVIL WORKS - TRAFFIC AND MANIPULATIVE AREA												
5.3.	5.3. Postavljanje prometnih znakova izričitih naredbi kružnog	B.5.3	Setting up mandatory (traffic) signs, circle shaped, (exceptionally octagon or equilateral triangle) of 60 cm diameter according to the traffic infrastructure and signals design and in line with Regulations on traffic signs, infrastructure and signals on roads (Official Gazette No. 33/2005) and Croatian Standard HRN 1116, HRN EN 12899-1, HRN EN 1790.											
	oblika (iznimno osmerokut ili istostraničan trokut)		The price includes production and supply with painting and gluing foil (1st class retroreflexion according to HRN EN 1436:2001 en - engineer intensity), transport, shifting, storage as well as all works and material, bolting and accessories for mounting in line with design requirements												
	promjera 60 cm, prema projektu prometne opreme i		Calculation shall be based on number of signs set.												
	signalizacije, a u skladu s Pravilnikom o prometnim znakovima, opremi i signalizaciji na cestama (NN br. 33/2005.) i HRN 1116, HRN EN 12899-1, HRN EN 1790.		B02 - mandatory stop B31 - speed limit												
	U cijeni je uključena izrada i dobava znakova s bojenjem i lijepljenjem folije (I. klase retrorefleksije prema HRN EN														
	1436:2001 en - engineer intesity), svi prijevozi, prijenosi i skladištenje, sav rad i materijal, te pričvrsni elementi i pribor za ugradnju po uvjetima iz projekta.														
	Obračun je po broju komada pričvršćenih znakova.														
	B02- obavezno zaustavljanje			kom	1,00	**700,00**	700,00	0,00	0,00	1,00	700,00	0,00	0,00	1,00	700,00
	B31 - ograničenje brzine			kom	1,00	**700,00**	700,00	0,00	0,00	1,00	700,00	0,00	0,00	1,00	700,00
5.4.	5.4. Izrada uzdužnih oznaka na kolniku, vrste veličine i boje	B.5.4	Making longitudinal road surface marking, of size and color in accordance to the traffic infrastructure and signals design and in line with Regulations on traffic signs, infrastructure and signals on road (Official Gazette No. 33/2005) and Croatian Standard HRN EN 1436, HRN EN 1871, HRN EN 1463-1 and 2, HRN U.S4.221, HRN U.S4.222, HRN U.S4.223.											
	prema projektu prometne opreme i signalizacije, (IV.		Full line, single, (centerline, borderline, direction line in front of obstacles), 10 cm wide.												
	klase retrorefleksije prema HRN EN 1436:2001 en -		The price includes cleaning of roadway immediately before making signs, tracing, provision and supply of material (paint, thinner, reflective markers), obtaining necessary permits and quality control certificates, all works, accessories and equipment for making marking.												
	engineer intesity), a u skladu s Pravilnikom o prometnim znakovima, opremi i signalizaciji na cestama (NN br. 33/2005.) i HRN EN 1436, HRN EN 1871, HRN EN 1463 1														

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
						Jedinična	Ukupna	Količina	Sit. 12 (HRK)	Količina	Sit. 12 sveukupno (HRK)	Količina	Sit.Ok (HRK)	Količina	Sit. Ok sveukupno (HRK)
				Unit	Quantity	Rate	Amount								
1	2			3	4	5	6	9	10	11	12	9	10	11	12
II	II. PROMETNO MANIPULATIVNE POVRŠINE	B	CIVIL WORKS - TRAFFIC AND MANIPULATIVE AREA												
	i 2, HRN U.S4.221, HRN U.S4.222, HRN U.S4.223. Puna crta, jednostruka (razdjelna, rubna, usmjeravanja ispred otoka i prepreka), debljine 10 cm. U cijenu je uključeno čišćenje kolnika neposredno prije izrade oznaka, predmarkiranje, nabava i prijevoz materijala (boja, razrjeđivač, reflektirajuće kuglice), prethodna dopuštenja i atesti te tekuća kontrola kvalitete, sav rad, pribor i oprema za izradu oznaka. Obračun je po m1 izrađenih oznaka.			m1	0,00	15,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
5.	5. Oprema ceste ukupno: 20.400,00						3.200,00		0,00		3.200,00		0,00		3.200,00
	SVEUKUPNO						201.030,00		0,00		201.030,00		0,00		201.030,00
	PROMETNO MANIPULATIVNE POVRŠINE														
	REKAPITULACIJA					Ukupna cijena [HRK]									
II	GRAĐEVINSKI PROJEKT - PROMETNO MANIPULATIVNE POVRŠINE														
1.	PRIPREMNI RADOVI	B.1	PREPARATION WORKS			12	9.500,00		0,00		9.500,00		0,00		9.500,00
2.	ZEMLJANI RADOVI I DONJI USTROJ KOLNIČKE KONSTRUKCIJE	B.2	EXCAVATION WORKS AND SUB BASE OF ROADWAY			12	33.953,00		0,00		33.953,00		0,00		33.953,00
3.	KOLNIČKA KONSTRUKCIJA	B.3	PAVEMENT STRUCTURE			14	148.332,00		0,00		148.332,00		0,00		148.332,00
4.	PJEŠAČKA STAZA	B.4	WALKWAY			15	6.045,00		0,00		6.045,00		0,00		6.045,00
5.	OPREMA CESTE	B.5	ROADWAY INFRASTRUCTURE			16	3.200,00		0,00		3.200,00		0,00		3.200,00
6.	IZRADA DOKUMENTACIJE	B.6	PREPARATION OF DOCUMENTATION			17	0,00		0,00		0,00		0,00		0,00
	SVEUKUPNO	B	CIVIL WORKS - TRAFFIC AND MANIPULATIVE AREA SUMMARY			19	201.030,00		0,00		201.030,00		0,00		201.030,00

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
				Unit	Quantity	Jedinična Rate	Ukupna Amount	Količina	Sit. 12 (HRK)	Količina	Sit. 12 sveukupno (HRK)	Količina	Sit.Ok (HRK)	Količina	Sit. Ok sveukupno (HRK)
1	2			3	4	5	6	9	10	11	12	9	10	11	12
	VODOOPSKRBA I ODVODNJA	**C**	**CIVIL WORKS - WATER SUPPLY AND DRAINAGE**												
I	**I. ODVODNJA**	**C.1**	**Drainage**												
1.	**1. Zemljani radovi**	**C.1.1**	**Earthworks**												
1.1.	1. 1. Strojni iskop materijala u B kategoriji do dubine h[m]	**C.1.1.1**	Machine excavation of material in category C to a depth h [m] depending on the structure with vertical nicking. The works carried out depend on the equipment and technology of the contractor for all depths. The width of the trench is dependent on the normal profile and the size of the pipe. The excavated soil is rejected aside within the work zone, and if necessary in tight spaces is transported, deposited and again transported to the place of installation when backfilling. Excavation method determined by the Contractor, and the calculations are to be carried out according to the amounts of the ideal profile of the main design so that the excess excavation shall be calculated in the price and will not be subsequently recognized. The item includes all the necessary papers and equipment for shoring and securing the trench from collapsing, according to the technology contractor, in accordance with the prescribed conditions of safety at work, including excavation required for the installation of protective plates□□□□□□□□□□□□□□□□□□□□												
	ovisno o građevini sa vertikalnim zasjecanjem. Radove		Materials excavation (calculation in grown-together state)												
	izvesti ovisno o opremljenosti i tehnologiji rada izvođača		Objects of the drainage system												
	za sve dubine prema grafičkim prilozima projekta. Širina		a) Ispection shafts - 76 m3												
	rova je ovisna o normalnom profilu i veličini cjevovoda.		b) Water inlets - 44 m3												
	Iskopano tlo odbacuje se u stranu unutar radnog pojasa,		c) Separator - 46,80 m3												
	a ukoliko je potrebno na uskim mjestima se odvozi,		d) Absorption well - 21,15 m3												
	međudeponira i kod zatrpavanja se ponovo dovozi na		Oily rainfall												
	mjesto ugradbe. Način iskopa određuje izvoditelj, a		a) Oily drainage system pipeline, trench depth 1,50 m, - 19 m3												
	obračun će biti proveden prema količinama po idealnom		Sanitary waste water												
	profilu iz glavnog projekta tako da višak iskopa treba biti		a) sanitary waste water pipeline, trench depth 1 m, - 1,40 m3												
	ukalkuliran u cijenu i neće se naknadno priznavati. U														
	stavku su uključeni svi potrebni radovi i oprema za														
	razupiranje i osiguranje rova od urušavanja, prema														
	tehnologiji izvođača radova, u skladu s propisanim														
	uvjetima zaštite na radu, uključujući i potreban iskop za														
	ugradnju zaštitne oplate (koji nije posebno specificiran).														
	Iskop materijala (obračun u sraslom stanju)														
	Objekti odvodnje														
	a) Revizijska okna - 76 m3														
	b) Slivnici - 44 m3														
	c) Separator - 46,80 m3														
	d) Upojni bunar - 21,15 m3														
	Zaulјene oborinske vode														
	a) cjevovodi zaulјene oborinske odvodnje, iskop dubine														

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
						Jedinična	Ukupna	Količina	Sit. 12 (HRK)	Količina	Sit. 12 sveukupno (HRK)	Količina	Sit.Ok (HRK)	Količina	Sit. Ok sveukupno (HRK)
1	2			3	4	5	6	9	10	11	12	9	10	11	12
	VODOOPSKRBA I ODVODNJA	**C**	**CIVIL WORKS - WATER SUPPLY AND DRAINAGE**												
	1,50 m, - 19 m3 Sanitarne otpadne vode a) cjevovod sanitarne otpadne vode, iskop dubine 1 m, - 1,40 m3			m3	153,35	**35,00**	5.367,25	0,00	0,00	44,00	1.540,00	0,00	0,00	44,00	1.540,00
1.2.	1. 2. Zatrpavanje prostora oko izvedenih gradevina probranim materijalom iz iskopa granulacije 0-32 mm do projektom određenih kota. Stavka uključuje niveliranje i zbijanje materijala u slojevima od 30 cm. Zatrpavanje materijalom iz iskopa a) Revizijska okna - 47 m3 b) Slivnici - 40 m3 c) Separator - 23 m3 d) Upojni bunar - 10,20m3	**C.1.1.2**	Backfilling the area around the buildings carried out by selected material from excavation grit 0-32 mm to designed certain angle. The item includes leveling and compacting the material in layers of 30 cm. Backfilling with excavation material a) Ispection shafts - 47 m3 b) Water inlets - 40 m3 c) Separator - 23 m3 d) Absorption well - 10,20m3	m3	171,30	**18,00**	3.083,40	0,00	0,00	109,54	1.971,72	0,00	0,00	109,54	1.971,72
1.3.	1. 3. Izrada ispune prostora oko upojnih bunara kamenim materijalom granulacije 60/120 mm. Stavka uključuje niveliranje i zbijanje materijala u slojevima od 30 cm. Izrada ispune (obračun prema idealnom profilu iz nacrta) Ispuna upojnog bunara - 25 m3	**C.1.1.3**	Preparation of filling of the space around the absorption well with stone material grit 60/120 mm. The item includes leveling and compacting the material in layers of 30 cm. Preparation of filling Absorption well filling	m3	40,00	**100,00**	4.000,00	0,00	0,00	31,05	3.105,00	0,00	0,00	31,05	3.105,00
1.4.	1. 4. Nabava i doprema pijeska granulacije 0-12 mm te izrada pješčane posteljice debljine 10 cm za polaganje cjevovoda. Stavka uključuje zbijanje ručnim nabijačima. Izrada posteljice Potencijalno zauljene oborinske vode a) cjevovod potencijalno zauljene oborinske odvodnje - 1.85 m3 Sanitarne otpadne vode a) cjevovodi sanitarne otpadne vode - 0,15 m3	**C.1.1.4**	Supply and delivery of sand grit 0-12 mm and making sand foundation level with thickness of 10 cm for laying pipelines. The item includes compaction by manual compactor. Preparation of sand foundation level Potentially oily rainfall drainage a) potentially oily rainfall drainage system pipeline - 1,85 m3 Sanitary waste water system a) sanitary waste water pipeline - 0,15 m3	m3	13,20	**160,00**	2.112,00	0,00	0,00	12,92	2.067,20	0,00	0,00	12,92	2.067,20

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						Jedinična	Ukupna	Količina	Sit. 12 (HRK)	Količina	Sit. 12 sveukupno (HRK)	Količina	Sit.Ok (HRK)	Količina	Sit. Ok sveukupno (HRK)
1	2			Unit	Quantity	Rate	Amount								
				3	4	5	6	9	10	11	12	9	10	11	12
	VODOOPSKRBA I ODVODNJA	**C**	**CIVIL WORKS - WATER SUPPLY AND DRAINAGE**												
1.5.	1. 5. Nabava i doprema pijeska/šljunka ili drobljenog kamena	**C.1.1.5**	Supply and delivery of sand / gravel or crushed stone grit 0-32 mm and filling the pipeline with a thickness of overburden above the pipe of 30 cm. The item includes compaction manual compactor. Pay special attention to lateral compaction of material between the pipe and the wall of the trench height of 0.5 D to obtain the bigger angle seating. When filling the compound should remain visible to the implementation of the pressure test.												
	granulacije 0 - 32 mm te zatrpavanje cjevovoda s		Backfilling with replacement material (calculation in grown-together state)												
	debljinom nadsloja iznad tjemena cijevi od 30 cm. Stavka uključuje zbijanje ručnim nabijačima. Posebnu pažnju obratiti na bočno zbijanje materijala između cijevi i stijenke rova visine 0,5 D kako bi se dobio čim veći kut naliježanja. Pri zatrpavanju spoj mora ostati vidljiv do provođenja tlačne probe.		Potentially oily rainfall drainage system a) potentially oily rainfall pipeline - 9 m3 Sanitary waste water a) sanitary waste water pipeline- 0,60 m3												
	Zatrpavanje zamjenskim materijalom Potencijalno zauljene oborinske vode a) cjevovodi potencijalno zauljene oborinske odvodnje - 9 m3 Sanitarne otpadne vode a) cjevovodi sanitarne otpadne vode - 0,60 m3			m3	39,00	**120,00**	4.680,00	0,00	0,00	38,76	4.651,20	0,00	0,00	38,76	4.651,20
1.6.	1. 6. Zatrpavanje prostora zone ispune rova cjevovoda iznad	**C.1.1.6**	Backfilling space of fulfill zone of the trench above the pipeline protection zone with excavation material (max. grain size 63 mm) The item includes loading, transport, unloading, leveling and compaction of materials to the design of compression modulus in layers 30 cm thick.												
	zone zaštite cjevovoda materijalom iz iskopa (max.		Backfilling with excavation material (calculation in grown-together state)												
	veličine zrna 63 mm). Stavka uključuje utovar, prijevoz, istovar, niveliranje i zbijanje materijala do projektiranog		Potentially oily rainfall drainage system a) potentially oily rainfall pipeline - 16,30 m3 Sanitary waste water a) sanitary waste water pipeline - 0,60 m3												
	modula stišljivosti u slojevima debljine 30 cm. Zatrpavanje materijalom iz iskopa Potencijalno zauljene oborinske vode a) cjevovodi potencijalno zauljene oborinske odvodnje - 16,30 m3 Sanitarne otpadne vode a) cjevovodi sanitarne otpadne vode - 0,60 m3			m3	160,00	**18,00**	2.880,00	0,00	0,00	155,04	2.790,72	0,00	0,00	155,04	2.790,72
1.7.	1. 7. Prijevoz viška materijala iz iskopa nakon zatrpavanja	**C.1.1.7**	Transportation of surplus material from the excavation after backfilling the space around buildings carried out on the landfill site within a distance of 500m. The item includes loading, transport and unloading and spreading material at the landfill.												
	prostora oko izvedenih građevina na deponiju unutar		Transportation of excavation material (calculation in grown-together state)												
	gradilišta na udaljenosti do 500m. Stavka uključuje utovar, prijevoz i istovar te razastiranje materijala na		Buildings: a) Inspection shafts - 16,60m3												

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
						Jedinična	Ukupna	Količina	Sit. 12 (HRK)	Količina	Sit. 12 sveukupno (HRK)	Količina	Sit.Ok (HRK)	Količina	Sit. Ok sveukupno (HRK)
1	2			3	4	5	6	9	10	11	12	9	10	11	12
	VODOOPSKRBA I ODVODNJA	**C**	**CIVIL WORKS - WATER SUPPLY AND DRAINAGE**												
	deponiji. Prijevoz materijala iz iskopa (obračun u sraslom stanju) Građevine: a) Revizijska okna - 16,60m3 b) Slivnici - 4,90 m3 c) Separator - 24 m3 e) Upojni bunar - 15,80 m3 Potencijalno zauljene oborinske vode a) cjevovodi potencijalno zauljene oborinske odvodnje - 10.85 m3 Sanitarne otpadne vode a) cjevovodi sanitarne otpadne vode - 0,75 m3		b) Water inlets - 4,90 m3 c) Separator - 24 m3 e) Absorption well - 15,80 m3 Potentially oily rainfall drainage system a) potentially oily rainfall pipeline - 10,85 m3 Sanitary waste water a) sanitary waste water pipeline - 0,75 m3												
1.8.	Nabava, doprema i ugradnja pijeska granulacije 0-12 mm za izvedbu šljunčane podloge ispod separatora debljine 15 cm. Stavka uključuje zbijanje ručnim nabijačima. Izrada podloge Separator - 0,90 m3	**C.1.1.8**	Supply, delivery and installation of sand grit 0-12 mm for the performance of gravel substrate below the separator with thickness of 15 cm. The item includes compaction by manual compactor. Preparation of substrate, Separator - 0,90 m3	m3	190,00 4,10	**12,00** **160,00**	2.280,00 656,00	0,00 0,00	0,00 0,00	177,85 4,10	2.134,20 **656,00**	0,00 0,00	0,00 0,00	177,85 4,10	2.134,20 656,00
1.	**Zemljani radovi ukupno:**	**C.1.1**	**Earthworks total**				**25.058,65**		**0,00**		**18.916,04**		**0,00**		**18.916,04**
2.	**2. Betonski radovi**	**C.1.2**	**Concrete works**												
2.1.	2.1. Nabava, doprema i ugradnja podložnog betona tlačne čvrstoće C16/20, debljine ovisno o građevini. Stavka uključuje svu eventualno potrebnu oplatu, njegu betona i atest tlačne čvrstoće. a) Revizijska okna - (0,3 m3/kom) - 1,20 m3 b) Slivnici - (0,1 m3/kom) - 0,20 m3 c) Kontrolno okno iza separatora - (0,3 m3/kom) - 0,30 m3	**C.1.2.1**	Supply, delivery and installation of base concrete of compressive strength C16 / 20, depending on the thickness of the building. The item includes all possibly necessary formwork, care and attestation of compressive strength. a) Inspection shafts - (0,3 m3/piece) - 1,20 m3 b) Water inlets - (0,1 m3/piece) - 0,20 m3 c) Control shaft - (0,3 m3/piece) - 0,30 m3	m3	3,40	**750,00**	2.550,00	0,00	0,00	3,38	2.535,00	0,00	0,00	3,38	2.535,00
2.2.	2.2. Nabava, doprema i ugradnja betona tlačne čvrstoće C25/30 u ploču i vijenac revizijskih okana i slivnika. Stavka uključuje obodnu oplatu, njegu betona i atest tlačne čvrstoće. Revizijska okna (4 kom). a) ploča - (0,3m3/kom) - 1,20 m3 b) vijenac - (0,5m3/kom) - 2,0 m3 Slivnici (2 kom) a) ploča - (0,1 m3/kom) - 0,20 m3	**C.1.2.2**	Supply, delivery and installation of concrete of compressive strength C25 / 30 in concrete slab and crown of inspection shafts and water inlets. The item includes all possibly necessary formwork, concrete care and attestation of compressive strength. Inspection shafts (4 pieces): a) slab - (0,3m3/piece) - 1,20 m3 b) crown - (0,5m3/piece) - 2,0 m3 Water inlets (2 pieces) a) slab - (0,1m3/piece) - 0,20 m3 b) crown - (0,15m3/piece) - 0,30 m3												

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
						Jedinična	Ukupna	Količina	Sit. 12 (HRK)	Količina	Sit. 12 sveukupno (HRK)	Količina	Sit.Ok (HRK)	Količina	Sit. Ok sveukupno (HRK)
				Unit	Quantity	Rate	Amount								
1	2			3	4	5	6	9	10	11	12	9	10	11	12
	VODOOPSKRBA I ODVODNJA	**C**	**CIVIL WORKS - WATER SUPPLY AND DRAINAGE**												
	b) vijenac - (0,15m3/kom) - 0,30 m3			m3	3,70	**1.000,00**	3.700,00	0,00	0,00	3,70	3.700,00	0,00	0,00	3,70	3.700,00
2.	**2. Betonski radovi ukupno:**	**C.1.2**	**Concrete works total**				**6.250,00**		**0,00**		**6.235,00**		**0,00**		**6.235,00**
3.	**3. Armirački radovi**	**C.1.3**	**Reinforcement works**												
	3.1. Nabava, doprema i ugradnja konstruktivne armature od	**C.1.3.1**	Supply, delivery and installation of structural reinforcement of steel B 500 B of the slab and the crown of the sanitary water collection reservoir. The strike involves cutting, shaping, transfer to the construction site, installation and connection fittings to the grounding. The item also includes approval of implemented reinforcement.												
	čelika kvalitete B 500 B u ploču i vijenac revizijskih okana i slivnika. Stavka uključuje rezanje, oblikovanje, prijenos do mjesta ugradnje i ugradnju. Stavka također uključuje atest ugrađene armature. Revizijska okna (4 kom): a) ploča - (30kg/kom) - 120kg b) vijenac- (40kg/kom) - 160kg Slivnici (2 kom) a) ploča- (10kg/kom) - 20kg		Inspection shafts (4 pieces): a) slab - (30kg/piece) - 120kg b) crown - (40kg/piece) - 160kg Water inlets (2 pieces) a) slab - (10kg/piece) - 20kg b) crown- (15kg/piece) - 30kg												
	b) vijenac- (15kg/kom) - 30kg			kg	330,00	**8,00**	2.640,00	0,00	0,00	330,00	2.640,00	0,00	0,00	330,00	2.640,00
3.	**3. Armirački radovi ukupno:**	**C.1.3**	**Reinforcement works total**				**2.640,00**		**0,00**		**2.640,00**		**0,00**		**2.640,00**
4.	**4. Monterski radovi**	**C.1.4**	**Installation works**												
4.1.	4.1. Nabava, doprema i ugradnja rebrastih PEHD i PVC	**C.1.4.1**	Supply, delivery and installation of corrugated HDPE and PVC sewer pipes for drainage potentially oily storm and sanitary wastewater. It includes all required work and materials for their installation.												
	kanalizacijskih cijevi za odvodnju potencijalno zauljenih oborinskih i sanitarnih otpadnih voda. Stavka uključuje sav potreban rad i materijal za njihovu ugradnju. Potencijalno zauljene oborinske vode: a) PEHD OD/ID 200/171 mm, SN 8 - 30,20 m' Sanitarne otpadne vode: a) PVC OD/ID 160/152 mm, SN 4 - 2,30 m'		Potentially oily rainfall drainage system a) PEHD OD/ID 200/171 mm, SN 8 - 30,20 m' Sanitary waste water a) PVC OD/ID 160/152 mm, SN 4 - 2,30 m'	m1	103,20	**75,00**	7.740,00	0,00	0,00	100,70	7.552,50	0,00	0,00	100,70	7.552,50
4.2.	4.2. Nabava, doprema i ugradnja rebrastih PEHD	**C.1.4.2**	Supply, delivery and installation of corrugated HDPE sewer pipes OD / ID 1000/851 mm, SN 8, for the performance of the body of inspection shafts. The item includes the preparation of shafts with all the elements (plates bottom, pipe connections, channel ...) to full readiness, including the performance of climbers from PE sheet thickness min 2 cm, width 45 cm back protection and performance. It includes all needed works and materials for installation to full functionality.												
	kanalizacijskih cijevi OD/ID 1000/851 mm, SN 8, za izvedbu tijela revizijskih okana. Stavka uključuje izradu okana sa svim elementima (ploča dna, priključci cijevi, kineta...) do pune gotovosti, uključujući izvedbu penjalica od PE pločevine debljine min 2 cm, širine 45 cm i izvedbu		Potentially oily rainfall drainage system a) Inspection shafts- 4 pieces												

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
						Jedinična	Ukupna	Količina	Sit. 12 (HRK)	Količina	Sit. 12 sveukupno (HRK)	Količina	Sit.Ok (HRK)	Količina	Sit. Ok sveukupno (HRK)
				Unit	Quantity	Rate	Amount								
1	2			3	4	5	6	9	10	11	12	9	10	11	12
	VODOOPSKRBA I ODVODNJA	**C**	**CIVIL WORKS - WATER SUPPLY AND DRAINAGE**												
	leđobrana. Stavka uključuje sav potreban rad i materijal za ugradnju do pune funkcionalnosti. Potencijalno zauljene oborinske vode:														
	a) revizijska okna - 4 kom			kom	2,00	**5.000,00**	15.000,00	0,00	0,00	3,00	15.000,00	0,00	0,00	3,00	15.000,00
4.3.	4.3. Nabava, doprema i ugradnja rebraste PEHD kanalizacijske cijevi OD/ID 1000/851 mm, SN 8, za izvedbu upojnog bunara uključujući izvedbu penjalica od PE pločevine debljine min 2 cm, širine 45 cm, izvedbu leđobrana i perforacija na dijelu bunara koji se nalazi ispod ulazne kote dovodnog cjevovoda. Stavka uključuje sav potreban rad i materijal za ugradnju do pune funkcionalnosti.	**C.1.4.3**	Supply, delivery and mstallation of corrugated HDPE sewer pipes OD / ID 1000/851 mm, SN 8, for the performance of absorption well, including the performance of climbers from PE sheet thickness min 2 cm, width 45 cm, back protection and performance of the perforation of the well which is located below level of inlet pipe. It includes all needed works and materials for installation to full functionality. a) Absorption well - 1 piece												
	a) upojni bunar - 1kom			kom	1,00	**3.000,00**	3.000,00	0,00	0,00	1,00	3.000,00	0,00	0,00	1,00	3.000,00
4.4.	4.4. Nabava, doprema i ugradnja kape okna od PEHD pločevine debljine min 2 cm. Stavka uključuje sav potreban rad i materijal za ugradnju do pune funkcionalnosti.	**C.1.4.4**	Supply, delivery and installation of caps of HDPE sheet thickness min 2 cm It includes all needed works and materials for installation to full functionality. Embedded caps of inspecting shafts - 4 pieces Embedded caps od control shaft - 1 piece												
	Ugrađene kape revizijskih okana - 4 kom														
	Ugrađene kape kontrolnog okna - 1 kom			kom	4,00	**2.000,00**	8.000,00	0,00	0,00	4,00	8.000,00	0,00	0,00	4,00	8.000,00
4.5.	4.5. Nabava, doprema i ugradnja rebrastih PEHD kanalizacijskih cijevi OD/ID 500/431 mm, SN 8, za izvedbu slivnika. Stavka uključuje izradu slivnika sa svim elementima (ploča dna, priključci cijevi...) do pune gotovosti. Stavka uključuje sav potreban rad i materijal za ugradnju do pune funkcionalnosti. Obračun po komadu izvedenog slivnika.	**C.1.4.5**	Supply, delivery and installation of corrugated HDPE sewer pipes OD / ID 500/431 mm, SN 8, for the performance of water inlets. The item includes making the inlet with all the elements (plates bottom, pipe connections ...) to full readiness. It includes all needed works and materials for installation to full functionality. Calculation per piece of performed inlets. Performed water inlets												
	Izvedeni slivnici - 2 kom			kom	2,00	**1.500,00**	3.000,00	0,00	0,00	2,00	3.000,00	0,00	0,00	2,00	3.000,00
4.6.	4.6. Nabava, doprema i ugradnja lijevano željeznih kanalskih	**C.1.4.6**	Supply, delivery and installation of cast iron grids on the water inlets capacity D 400 kN according to EN-124: 2005, measuring 400 x 400 mm. It includes all needed works and materials for their installation to full functionality.												

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
						Jedinična	Ukupna	Količina	Sit. 12 (HRK)	Količina	Sit. 12 sveukupno (HRK)	Količina	Sit.Ok (HRK)	Količina	Sit. Ok sveukupno (HRK)
				Unit	Quantity	Rate	Amount								
1	2			3	4	5	6	9	10	11	12	9	10	11	12
	VODOOPSKRBA I ODVODNJA	**C**	**CIVIL WORKS - WATER SUPPLY AND DRAINAGE**												
	rešetki na slivnike nosivosti D 400 kN prema HRN EN-124:2005, dimenzija 400 x 400 mm. Stavka uključuje sav potreban rad i materijal za njihovu ugradnju do pune funkcionalnosti.		Embedded grids												
	Ugrađene rešetke - 2 kom			kom	2,00	**500,00**	1.000,00	0,00	0,00	2,00	1.000,00	0,00	0,00	2,00	1.000,00
4.7.	4.7. Nabava, doprema i ugradnja lijevano željeznih kanalskih	**C.1.4.7**	Supply, delivery and installation of cast iron square covers, measuring 600 x 600 mm. It includes all needed work and material for their installation.												
	poklopaca kvadratičnog oblika, dimenzija 600 x 600 mm.		Sanitary waste water collection reservoir a) Embedded covers class B 125 kN, HRN EN-124:2005												
	Stavka uključuje sav potreban rad i materijal za njihovu ugradnju.														
	Spremnik sanitarne otpadne vode: a) Ugradnja poklopca klase B 125 kN, prema HRN EN-124:2005 - Ikom			kom	1,00	**600,00**	600,00	0,00	0,00	1,00	600,00	0,00	0,00	1,00	600,00
4.8.	4.8. Nabava, doprema i ugradnja tipskog separatora prema	**C.1.4.8**	Supply, delivery and installation of a standard separator according to EN 858-1 volume of 5000 liters and a flow rate of 20 l / s. Dimensions of the separator are LxBxH 3.0 x 1.30 x 1.35 m. It includes all the accessories that are located in the separator together with 2 cast iron covers on the openings for inspection capacity B 125 kN.												
	EN 858-1 zapremine 5000 l te protokom od 20 l/s.		It includes all needed works and materials for the installation of the separator to full functionality.												
	Dimenzije separatora su LxBxH -3,0 x 1,30 x 1,35 m. Stavka uključuje svu dodatnu opremu koja se nalazi u separatoru zajedno sa 2 lijevano željezna poklopca na otvorima za inspekcijski nadzor nosivosti B 125 kN. Stavka uključuje sav potreban rad i materijal za ugradnju separatora do pune funkcionalnosti.		Separator												
	Ugrađeni separator - Ikom			kom	2,00	**30.000,00**	60.000,00	0,00	0,00	2,00	60.000,00	0,00	0,00	2,00	60.000,00
4.9.	4.9. Inicijalno punjenje separatora čistom vodom radi	**C.1.4.9**	Initial charging the separator with clean water to check water resistance of compounds including assembly and dismantling of temporary water supply and other necessary equipment. Before charging, the separator must be placed on the arranged surface and joints must not be overwhelmed by the excavation material. Calculation per piece of equipment tested.												
	provjere vodonepropusnosti spojeva uključujući montažu i demontažu privremenog dovoda vode i ostale potrebne opreme. Prije punjenja, separator mora biti postavljen na uređenu podlogu i spojevi ne smiju biti zatrpani materijalom iz iskopa. Obračun po komadu ispitanog uređaja.		Initial charging of the built-in separator												
	Inicijalno punjenje ugrađenog separatora - 1 kom			kom	2,00	**1.000,00**	2.000,00	0,00	0,00	1,00	1.000,00	0,00	0,00	1,00	1.000,00

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
						Jedinična	Ukupna	Količina	Sit. 12 (HRK)	Količina	Sit. 12 sveukupno (HRK)	Količina	Sit.Ok (HRK)	Količina	Sit. Ok sveukupno (HRK)
1	2			3	4	5	6	9	10	11	12	9	10	11	12
	VODOOPSKRBA I ODVODNJA	**C**	**CIVIL WORKS - WATER SUPPLY AND DRAINAGE**												
4.10.	4.10. Ispitivanje cjelokupnog kanalizacijskog sustava (sustav	**C.1.4.10**	Testing of the entire drainage system (the rainfall drainage system and sanitary drainage) on the waterproofing of joints and flow (including inspection shafts and water inlets) with water at the appropriate pressure. Item includes assembly and disassembly of temporary supply of water and other necessary equipment. Before filling, the pipeline must be buried except compounds. A pressure test has to be carried out according to regulations. Calculation per meter of tested sewage.												
	oborinske odvodnje i sustav sanitarne odvodnje) na vodonepropusnost spojeva i protočnost (uključivo i revizijska okna zajedno sa slivnicima) pomoću vode na odgovarajući tlak. Stavka uključuje montažu i demontažu privremenog dovoda vode i ostale potrebne opreme. Prije punjenja, cjevovod mora biti zatrpan osim spojeva. Tlačnu probu izvesti prema propisima. Obračun po dužnom metru ispitane kanalizacije.		Testin of the drainage system												
	Ispitivanje kanalizacijskog sustava - 32,50 m'			m1	159,20	**100,00**	15.920,00	0,00	0,00	158,00	15.800,00	0,00	0,00	158,00	15.800,00
4.11.	4.11. "Nulto" čišćenje novoizvedenog kanalizacijskog sustava	**C.1.4.11**	Zero cleaning of newly drainage system (the rainfall drainage system and sanitary drainage) after the completion of all previous works. It includes all needed works and materials for the execution. Calculation per meter of cleaned sewage.												
	(sustav oborinske odvodnje i sustav sanitarne odvodnje) nakon završetka svih prethodnih radova. Stavka uključuje sav potreban rad i materijal za izvršenje stavke. Obračun po dužnom metru očišćene kanalizacije.		Zero cleaning of drainage system												
	"Nulto" čišćenje po m' kanalizacijskog sustava - 32,50 m'			kom	159,20	**50,00**	7.960,00	0,00	0,00	158,00	7.900,00	0,00	0,00	158,00	7.900,00
4.12.	4.12. Kanal za linijsku odvodnju	**C.1.4.12**	Linear drainage channel												
	Kanala za linijsku odvodnju nosivosti C400 prema HR EN		Linear drainage channel with capacity C400 according to EN EN 1433. Because of their specific V-section channel is characterized by a faster rate of runoff and better self-cleaning effect. The channel is made of polymer concrete, a building height of 480 mm. Fog channel width is 400 mm, width 450 mm construction, building length of 1000 mm.												
	1433.Kanal se zbog specifičnog V-presjeka odlikuje		The edges of the channel are reinforced bracket of galvanized steel with thickness of 4 mm, which serves as a seat for taking the cover grid The channel is carried out by laying the concrete base brand C25 / 30 thickness of 20 cm, side channel concrete pledge. The upper edge of the grid is performed at the level of 2-5 mm below the level of finished finishing the surrounding area. All the accessories for mounting to full functionality. Product as ACO Multiline V400 or equal:												

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
						Jedinična	Ukupna	Količina	Sit. 12 (HRK)	Količina	Sit. 12 sveukupno (HRK)	Količina	Sit.Ok (HRK)	Količina	Sit. Ok sveukupno (HRK)
				Unit	Quantity	Rate	Amount								
1	2			3	4	5	6	9	10	11	12	9	10	11	12
	VODOOPSKRBA I ODVODNJA	**C**	**CIVIL WORKS - WATER SUPPLY AND DRAINAGE**												
	većom brzinom otjecanja vode i boljim efektom samočišćenja. Kanal je izrađen iz polimerbetona, građevinske visine 480 mm. Svjetla širina kanala je 400 mm, građevinska širina 450 mm, građevinska dužina 1000 mm. Rubovi kanala ojačani su kutnikom od pocinčanog čelika debljine 4 mm koji služi kao dosjed za polaganje pokrovne rešetke. Kanal se izvodi polaganjem na betonsku podlogu marke C25/30 debljine sloja 20 cm, bočno kanal založiti betonom. Gornji rub rešetke se izvodi u razini 2 - 5 mm ispod kote gotove završne okolne površine. Sve sa priborom za montažu do potpune funkcionalnosti. Proizvod kao ACO Multiline V400 ili jedankovrijedan:														
	4.12.1. Proizvod kao Multiline V400 ili jedankovrijedan - građevinske visine 480 mm. Svjetla širina kanala je 400 mm, građevinska širina 450 mm, građevinska dužina 1000 mm	**C.1.4.12.1**	Product as Multiline V400 or equivalent-construction height 480 mm. Channel width is 400 mm, width 450 mm construction, building length of 1000 mm	m1	16,60	**1.600,00**	26.560,00	0,00	0,00	16,60	26.560,00	0,00	0,00	16,60	26.560,00
	4.12.2. Proizvod kao Multiline V400 ili jednakovrijedan, pokrovna rešetka ACO Multiline V400 za opterećenje C400 prema HR EN 1433 (srednje teški promet) iz lijevanog željeza	**C.1.4.12.2**	Product as Multiline V400 or equivalent, cover grating ACO Multiline V400 load C400 according to EN EN 1433 (medium-heavy traffic) from cast iron.	m1	16,60	**2.000,00**	33.200,00	0,00	0,00	16,60	33.200,00	0,00	0,00	16,60	33.200,00
	4.12.3. Sabirnik za proizvod kao ACO Multiline V400 ili jednakovrijedan iz polimerbetona, s Drainlock učvršćivanjem rešetke bez vijaka, s taložnom posudom od PVC.	**C.1.4.12.3**	Collector for the product as ACO Multiline V400 or equivalent from polymer concrete, with Drainlock® strengthenmg the grid without screws, with the precipitation vessel made of PVC.	kom	3,00	**5.000,00**	15.000,00	0,00	0,00	3,00	15.000,00	0,00	0,00	3,00	15.000,00
	4.12.4 Izrada betonskih temelja tlačne čvrstoće C 20/25 prema uputama proizvođača opreme, poprečnog profila i dimenzija prema preporuci proizvođača opreme ovisno o mjestu ugradnje	**C.1.4.12.4**	Making the concrete foundation of quality C 20/25 according to the manufacturer of equipment, cross section and dimensions recommended by the manufacturer of equipment depending on the installation site, approximately Detailed elaboration according to the manufacturer's instructions	m3	5,50	**1.000,00**	5.500,00	0,00	0,00	5,44	5.440,00	0,00	0,00	5,44	5.440,00
		C.1.4.12	**Linear drainage channel total**				**80.260,00**		**0,00**		**80.200,00**		**0,00**		**80.200,00**
4.	**4. Monterski radovi ukupno:**	**C.1.4**	**Installation works total**				**204.480,00**		**0,00**		**203.052,50**		**0,00**		**203.052,50**
I	**I. ODVODNJA UKUPNO**	**C.1**	**Drainage TOTAL**				**238.428,65**		**0,00**		**230.843,54**		**0,00**		**230.843,54**
II	**II. VODOOPSKRBA**	**C.2**	**Water supply system**												
1.	**1. Zemljani radovi**	**C.2.1**	**Earthworks**												

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
						Jedinična	Ukupna	Količina	Sit. 12 (HRK)	Količina	Sit. 12 sveukupno (HRK)	Količina	Sit.Ok (HRK)	Količina	Sit. Ok sveukupno (HRK)
				Unit	Quantity	Rate	Amount								
1	2			3	4	5	6	9	10	11	12	9	10	11	12
	VODOOPSKRBA I ODVODNJA	**C**	**CIVIL WORKS - WATER SUPPLY AND DRAINAGE**												
1.1.	1.1. Strojni iskop materijala u kategoriji B do dubine h[m]	**C.2.1.1**	Machine excavation of material in category C to a depth h [m] depending on the structure with vertical nicking. The works carried out depend on the equipment and technology of the contractor for all depths. The width of the trench is dependent on the normal profile and the size of the pipe. The excavated soil is rejected aside within the work zone, and if necessary in tight spaces is transported, deposited and again transported to the place of installation when backfilling . Excavation method determined by the Contractor, and the calculations are to be carried out according to the amounts of the ideal profile of the main design so that the excess excavation shall be calculated in the price and will not be subsequently recognized. The item includes all the necessary papers and equipment for shoring and securing the trench from collapsing, according to the technology contractor, in accordance with the prescribed conditions of safety at work, including excavation required for the installation of protective plate□□□□□□□□□□□□□□□□□□□□□□											
	ovisno o građevini sa vertikalnim zasjecanjem. Radove		Materials excavation (calculation in grown-together state)												
	izvesti ovisno o opremljenosti i tehnologiji rada izvođača		Objects												
	za sve dubine prema grafičkim prilozima projekta. Širina		sanitary water collection reservoir - 29,60 m3												
	rova je ovisna o normalnom profilu i veličini cjevovoda.		sanitary network												
	Iskopano tlo odbacuje se u stranu unutar radnog pojasa,		a) sanitary network pipeline, trench depth 1,0 m - 2,00m3												
	a ukoliko je potrebno na uskim mjestima se odvozi, međudeponira i kod zatrpavanja se ponovo dovozi na mjesto ugradbe. Način iskopa određuje izvoditelj, a obračun biti proveden prema količinama po idealnom profilu iz glavnog projekta tako da višak iskopa treba biti ukalkuliran u cijenu i neće se naknadno priznavati. U stavku su uključeni svi potrebni radovi i oprema za razupiranje i osiguranje rova od urušavanja, prema tehnologiji izvođača radova, u skladu s propisanim uvjetima zaštite na radu, uključujući i potreban iskop za ugradnju zaštitne oplate (koji nije posebno specificiran). Iskop materijala (obračun u sraslom stanju) Objekti Spremnik sanitarne vode - 29,60 m3 Sanitarna mreža a) cjevovod sanitarne mreže, iskop dubine 1,0 m - 2,00m3			m3	31,60	**45,00**	1.422,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
				Unit	Quantity	Jedinična Rate	Ukupna Amount	Količina	Sit. 12 (HRK)	Količina	Sit. 12 sveukupno (HRK)	Količina	Sit.Ok (IIRK)	Količina	Sit. Ok sveukupno (HRK)
1	2			3	4	5	6	9	10	11	12	9	10	11	12
	VODOOPSKRBA I ODVODNJA	**C**	**CIVIL WORKS - WATER SUPPLY AND DRAINAGE**												
1.2.	1.2. Nabava, doprema i ugradnja pijeska/šljunka ili drobljenog kamena granulacije 0 - 32 mm za izradu podloge ispod spremnika sanitarne vode, u sloju debljine 10 cm. Stavka uključuje zbijanje ručnim nabijačima. Izrada podloge (obračun u sraslom stanju) Spremnik sanitarne vode - 3,70 m3	**C.2.1.2**	Supply, delivery and installation of sand / gravel or crushed stone grit 0-32 mm for making substrate under sanitary water collection reservoir, at a thickness of 10 cm The item includes compaction by manual compactor. Substrate preparation (calculation in grown-together state) sanitary water collection reservoir	m3	0,67	**120,00**	80,40	0,00	0,00	0,67	80,40	0,00	0,00	0,67	80,40
1.3.	1.3. Zatrpavanje prostora oko izvedenih građevina probranim materijalom iz iskopa granulacije 0-32 mm do projektom određenih kota. Stavka uključuje niveliranje i zbijanje materijala u slojevima od 30 cm. Izrada ispune (obračun u sraslom stanju) Spremnik sanitarne vode - 14,80 m3	**C.2.1.3**	Backfilling the area around the buildings carried out by selected material from excavation grit 0-32 mm to designed certain angle. The item includes leveling and compacting the material in layers of 30 cm. Filling preparation (calculation in grown-together state) sanitary water collection reservoir	m3	37,86	**18,00**	681,48	0,00	0,00	29,86	537,48	0,00	0,00	29,86	537,48
1.4.	1.4. Nabava i doprema pijeska granulacije 0 - 12 mm te izrada pješčane posteljice debljine 10 cm za polaganje cjevovoda. Stavka uključuje zbijanje ručnim nabijačima. Izrada posteljice (obračun u sraslom stanju) Sanitarna mreža cjevovod sanitarne mreže - 0,20 m3	**C.2.1.4**	Supply and delivery of sand grit 0-12 mm and preparation of sand formation level with thickness of 10 cm for laying pipelines. The item includes compaction by manual compactor. Preparation of san formation level(calculation in grown-together state) Sanitary network sanitary network pipeline	m3	4,00	**160,00**	640,00	0,00	0,00	3,96	633,60	0,00	0,00	3,96	633,60
1.5.	1.5. Nabava i doprema pijeska/šljunka ili drobljenog kamena granulacije 0-32 mm te zatrpavanje cjevovoda s debljinom nadsloja iznad tjemena cijevi od 30 cm. Stavka uključuje zbijanje ručnim nabijačima. Posebnu pažnju obratiti na bočno zbijanje materijala između cijevi i stijenke rova visine 0,5 D kako bi se dobio čim veći kut naliježanja. Pri zatrpavanju spoj mora ostati vidljiv do provođenja tlačne probe. Zatrpavanje zamjenskim materijalom (obračun u sraslom stanju)	**C.2.1.5**	Supply and delivery of sand / gravel or crushed stone grit 0-32 mm and filling the pipeline with an overlayer above the pipe of 30 cm. The item includes compaction by manual compactor. Pay special attention to lateral compaction of material between the pipe and the wall of the trench height of 0.5 D to obtain the bigger angle seating. When filling the compound should remain visible to the implementation of the pressure test. Backfilling with replacement material (calculation in grown-together state) Sanitary network sanitary network pipeline												

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
						Jedinična	Ukupna	Količina	Sit. 12 (HRK)	Količina	Sit. 12 sveukupno (HRK)	Količina	Sit.Ok (HRK)	Količina	Sit. Ok sveukupno (HRK)
1	2			3	4	5	6	9	10	11	12	9	10	11	12
	VODOOPSKRBA I ODVODNJA	**C**	**CIVIL WORKS - WATER SUPPLY AND DRAINAGE**												
	Sanitarna mreža cjevovod sanitarne mreže - 0,70 m3			m3	3,30	**120,00**	396,00	0,00	0,00	3,30	396,00	0,00	0,00	3,30	396,00
1.6.	1.6. Zatrpavanje prostora zone ispune rova cjevovoda iznad zone zaštite cjevovoda materijalom iz iskopa (max. veličine zrna 63 mm) do projektom određenih kota. Stavka uključuje utovar, prijevoz, istovar, niveliranje i zbijanje materijala do projektiranog modula stišljivosti u slojevima debljine 30 cm. Zatrpavanje materijalom iz iskopa (obračun u sraslom stanju) Sanitarna mreža Cjevovod sanitarne mreže - 1,10 m3	**C.2.1.6**	Backfilling space of fulfill zones of the trench above the pipeline protection zones pipeline with excavation material (max. grain size 63 mm) to designed level. The item includes loading, transport, unloading, leveling and compaction of materials to the designed compression modulus in layers 30 cm thick Backfilling with excavation material (calculation in grown-together state) Sanitary network sanitary network pipeline											
	m3			m3	2,20	**18,00**	39,60	0,00	0,00	2,20	39,60	0,00	0,00	2,20	39,60
1.7.	1.7. Prijevoz viška materijala iz iskopa nakon zatrpavanja prostora oko izvedenih građevina na deponiju unutar gradilišta na udaljenosti do 500m. Stavka uključuje utovar, prijevoz i istovar te razastiranje materijala na deponiji. Prijevoz materijala iz iskopa (obračun u sraslom stanju) Objekti Spremnik sanitarne vode - 11,10 m3 Sanitarna mreža Cjevovod sanitarne mreže - 0,90 m3	**C.2.1.7**	Transportation of surplus material from the excavation after backfilling the space around buildings carried out on the landfill site within a distance of 500m. The item includes loading, transport and unloading and spreading material at the landfill. Transportation of excavation material (calculation in grown-together state) Objects Sanitary water collection reservoir - 11,10 m3 Sanitary network Sanitary network pipeline - 0,90 m3											
	m3			m3	38,00	**12,00**	456,00	0,00	0,00	38,00	456,00	0,00	0,00	38,00	456,00
1.	**1. Zemljani radovi ukupno:**	**C.2.1**	**Earthworks total:**				**3.715,48**		**0,00**		**2.143,08**		**0,00**		**2.143,08**
2.	**2. Betonski radovi**	**C.2.2**	**Concrete works**												
2.1.	2.1. Nabava, doprema i ugradnja betona tlačne čvrstoće C25/30 u ploču i vijenac spremnika za sanitarnu vodu. Stavka uključuje svu eventualno potrebnu oplatu, njegu betona i atest tlačne čvrstoće. a) ploča - 0,20 m3 b) vijenac - 0,10 m3	**C.2.2.1**	Supply, delivery and installation of concrete of compressive strength C25 / 30 in concrete slab and crown of sanitary water collection reservoir. The item includes all possibly necessary formwork, concrete care and attestation of compressive strength. a) slab - 0,20 m3 b) crown- 0,10 m3											
	m3			m3	0,80	**1.000,00**	800,00	0,00	0,00	0,67	670,00	0,00	0,00	0,67	670,00
2.	**2. Betonski radovi ukupno:**	**C.2.2**	**Concrete works total:**				**800,00**		**0,00**		**670,00**		**0,00**		**670,00**
3.	**3. Armirački radovi**	**C.2.3**	**Reinforcement works**												

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
						Jedinična	Ukupna	Količina	Sit. 12 (HRK)	Količina	Sit. 12 sveukupno (HRK)	Količina	Sit.Ok (HRK)	Količina	Sit. Ok sveukupno (HRK)
1	2			Unit	Quantity	Rate	Amount								
				3	4	5	6	9	10	11	12	9	10	11	12
	VODOOPSKRBA I ODVODNJA	**C**	**CIVIL WORKS - WATER SUPPLY AND DRAINAGE**												
3.1.	3.1. Nabava, doprema i ugradnja konstruktivne armature od	**C.2.3.1**	Supply, delivery and installation of structural reinforcement of steel B 500 B of the slab and the crown of the sanitary water collection reservoir. The strike involves cutting, shaping, transfer to the construction site, installation and connection fittings to the grounding. The item also includes approval of implemented reinforcement.												
	čelika kvalitete B 500 B u ploču i vijenac spremnika za sanitarnu vodu. Stavka uključuje rezanje, oblikovanje, prijenos do mjesta ugradnje, ugradnju i povezivanje armature s uzemljivačem. Stavka također uključuje atest ugrađene armature.														
	a) ploča- (15kg/kom) - 15kg		a) slab - (15kg/piece) - 15kg												
	b) vijenac- (20kg/kom) - 20kg		b) crown - (20kg/piece) - 20kg	kg	35,00	**7,50**	262,50	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
3.	**3. Armirački radovi ukupno:**	**C.2.3**	**Reinforcement works total:**				**262,50**		**0,00**		**0,00**		**0,00**		**0,00**
4.	**4. Monterski radovi**	**C.2.4**	**Installation works**												
4.1.	4.1. Nabava, doprema i ugradnja glatkih PEHD tlačnih cijevi	**C.2.4.1**	Supply, delivery and installation of smooth HDPE pressure pipes for the sanitary network. It includes all needed works and materials for their installation. Calculation per m 'of embedded pipes.												
	za izvedbu sanitarne mreže. Stavka uključuje sav potreban rad i materijal za njihovu ugradnju. Obračun po		Sanitary network a) PEHD OD 32 mm, SDR 17, PE 100, PN 10												
	m' ugrađene cijevi. Sanitarna mreža: a) PEHD OD 32 mm, SDR 17, PE 100, PN 10 - 4m'			m1	11,00	**50,00**	550,00	0,00	0,00	11,00	550,00	0,00	0,00	11,00	550,00
4.2.	4.2. Nabava, doprema i ugradnja PEHD tlačnih fazonskih	**C.2.4.2**	Supply, delivery and installation of HDPE pressure fittings for the performance of the sanitary network. It includes all needed work and material for their installation.												
	komada za izvedbu sanitarne mreže. Stavka uključuje sav potreban rad i materijal za njihovu ugradnju.		Sanitary network a) electrical knee OD32/90°, PE100, SDR 11												
	Sanitarna mreža: a) elektro koljeno OD32/90°, PE100, SDR 11 - 1kom			kom	8,00	**280,00**	2.240,00	0,00	0,00	8,00	2.240,00	0,00	0,00	8,00	2.240,00
4.3.	4.3. Nabava, doprema i ugradnja tipskog spremnika	**C.2.4.3**	Supply, delivery and installation of standard containers (reservoir) for water systems made of hard polyethylene according to DIN EN 1898, the volume of 6000 l. The dimensions of the reservoir are LxBxH - 2,88x180x2,05 m. It includes all needed works and materials for the installation and connection to the pipeline. Calculation per unit of implanted reservoir.												
	(rezervoara) za sanitarnu vodu izrađenog od tvrdog polietilena prema DIN EN 1898, zapremine 6000 l. Dimenzije spremnika su LxBxH - 2,88x180x2,05 m. Stavka uključuje sav potreban rad i materijal za njegovu ugradnju te spoj na cjevovod. po komadu ugrađenog spremnika.		Reservoir												
	Ugrađeni spremnik - 1 kom			kom	1,00	**13.500,00**	13.500,00	0,00	0,00	1,00	13.500,00	0,00	0,00	1,00	13.500,00

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
						Jedinična	Ukupna	Količina	Sit. 12 (HRK)	Količina	Sit. 12 sveukupno (HRK)	Količina	Sit.Ok (HRK)	Količina	Sit. Ok sveukupno (HRK)
1	2			3	4	5	6	9	10	11	12	9	10	11	12
	VODOOPSKRBA I ODVODNJA	**C**	**CIVIL WORKS - WATER SUPPLY AND DRAINAGE**												
4.4.	4.4. Nabava, doprema i ugradnja samousisne crpke koja usisava ispod razine crpke. Crpka se sastoji od crpke, motora, membranskog spremnika, senzora za tlak i protok, regulator i nepovratni ventil. Regulator osigurava automatsko pokretanje crpke dok traje potrošnja vode i automatsko zaustavljanje kad potrošnja prestane. Pored toga, regulator štiti crpku u slučaju greške/kvara. Karakteristika pumpe moraju zadovoljiti protok od 3 m3/h i visinu dizanja 23 m. Stavka uključuje sav potreban rad i materijal za njegovu ugradnju i spajanje sa spremnikom sanitarne vode, do pune gotovosti/funkcionalnosti. Obračun po komadu ugrađene samousisne crpke. Ugrađena crpka - 1kom	**C.2.4.4**	Supply, delivery and installation of self-priming pump that sucks up below the pump. The pump consists of pump, motor, pressure tank, pressure sensor and flow regulator and check valve. The controller provides automatic start of the pump during the consumption of water and automatically stops when the consumption ceases. In addition, the controller protects the pump in case of failure / malfunction. The pump must meet the flow of 3 m3 / h and lifting height 23 m. It includes all needed works and materials for the installation and connection of the sanitary water collection reservoir, up to full readiness / functionality. Calculation per piece of incorporated self-priming pump. " Integrated pump	kom	1,00	**4.200,00**	4.200,00	0,00	0,00	1,00	4.200,00	0,00	0,00	1,00	4.200,00
4.5.	4.5. Nabava, doprema i ugradnja lijevano željeznog kanalskog poklopca kružnog oblika promjera 600 mm. Stavka uključuje sav potreban rad i materijal za njegovu ugradnju na spremnik sanitarne vode. Poklopac klase B 125 kN, prema HRN EN-124:2005 kom	**C.2.4.5**	Supply, delivery and installation of cast iron canal cover of circular shape with a diameter of 600 mm. It includes all needed works and materials for the installation of the sanitary water collection reservoir. Cover class B 125 kN, according to HRN EN-124:2005	kom	1,00	**850,00**	850,00	0,00	0,00	1,00	850,00	0,00	0,00	1,00	850,00
4.6.	4.6. Ispitivanje cjelokupnog vodoopskrbnog sustava (sanitarna mreža) na vodonepropusnost spojeva i	**C.2.4.6**	Testing of the entire water system (sanitary network) on waterproofing of joints and flow with water at the appropriate pressure. Item includes assembly and disassembly of temporary supply of water and other necessary equipment. Before filling, the pipeline must be buried except for compounds. A pressure test has to be carried out according to regulations. Calculation per meter of tested the water supply system. Testing of the water supply system												

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
						Jedinična	Ukupna	Količina	Sit. 12 (HRK)	Količina	Sit. 12 sveukupno (HRK)	Količina	Sit.Ok (HRK)	Količina	Sit. Ok sveukupno (HRK)
				Unit	Quantity	Rate	Amount								
1	2			3	4	5	6	9	10	11	12	9	10	11	12
	VODOOPSKRBA I ODVODNJA	**C**	**CIVIL WORKS - WATER SUPPLY AND DRAINAGE**												
	protočnost pomoću vode na odgovarajući tlak. Stavka uključuje montažu i demontažu privremenog dovoda vode i ostale potrebne opreme. Prije punjenja, cjevovod mora biti zatrpan osim spojeva. Tlačnu probu izvesti prema propisima. Obračun po dužnom metru ispitanog vodoopskrbnog sustava.														
	Ispitivanje vodoopskrbnog sustava - 4 m'			ml	11,00	**100,00**	1.100,00	0,00	0,00	11,00	1.100,00	0,00	0,00	11,00	1.100,00
4.7.	4.7. "Nulto" čišćenje unutarnjeg vodoopskrbnog sustava	**C.2.4.7**	Zero cleaning the internal water supply system (sanitary network) after completing all the previous works. It includes all needed work and material for the execution of cleaning.												
	(sanitarna mreža) nakon završetka svih prethodnih radova. Stavka uključuje sav potreban rad i materijal za izvršenje stavke.		Zero cleaning of water supply system												
	"Nulto" čišćenje vodoopskrbnog sustava - 4 m'			ml	11,00	**50,00**	550,00	0,00	0,00	11,00	550,00	0,00	0,00	11,00	550,00
	m'														
4.8.	4.8. Dezinfekcija cjevovoda sanitarne mreže. Stavka	**C.2.4.8**	Disinfection of sanitary network pipeline. It includes all needed works and materials to perform.												
	uključuje sav potreban rad i materijal za izvođenje.		Disinfection of the pipeline												
	Dezinfekcija cjevovoda - 4 m'			ml	11,00	**500,00**	5.500,00	0,00	0,00	11,00	5.500,00	0,00	0,00	11,00	5.500,00
4.	**4. Monterski radovi ukupno:**	**C.2.4**	**Installation works total:**				**28.490,00**		**0,00**		**28.490,00**		**0,00**		**28.490,00**
II	**II. VODOOPSKRBA UKUPNO**	**C.2**	**Water supply system TOTAL**				**33.267,98**		**0,00**		**31.303,08**		**0,00**		**31.303,08**
I i II	**ODVODNJA I VODOOPSKRBA UKUPNO**						**271.696,63**		**0,00**		**262.146,62**		**0,00**		**262.146,62**
3.	**GRAĐEVINSKI PROJEKT**		**CIVIL WORKS**												
	VODOOPSKRBA I ODVODNJA		**WATER SUPPLY AND DRAINAGE**												
	REKAPITULACIJA		**TOTAL**				**Ukupna cijena [HRK]**								
III	**III GRAĐEVINSKI PROJEKT - VODOOPSKRBA I ODVODNJA**	**C**	**CIVIL WORKS - WATER SUPPLY AND DRAINAGE**												
1.	**1. ODVODNJA**	**C.1**	**DRAINAGE**			**22**	**238.428,65**		**0,00**		**230.843,54**		**0,00**		**230.843,54**
2.	**2. VODOOPSKRBA**	**C.2**	**WATER SUPPLY SYSTEM**			**28**	**33.267,98**		**0,00**		**31.303,08**		**0,00**		**31.303,08**
	SVEUKUPNO	**C**	**CIVIL WORKS - WATER SUPPLY AND DRAINAGE SUMMARY**			**19**	**271.696,63**		**0,00**		**262.146,62**		**0,00**		**262.146,62**

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
						Jedinična	Ukupna	Količina	Sit. 12 (HRK)	Količina	Sit. 12 sveukupno (HRK)	Količina	Sit.Ok (HRK)	Količina	Sit. Ok sveukupno (HRK)
				Unit	Quantity	Rate	Amount								
1	2			3	4	5	6	9	10	11	12	9	10	11	12
	KONSTRUKCIJA	**D**	**CIVIL WORKS - CONSTRUCTION**												
1.	**Zemljani radovi**	**D.1**	**Earth works**												
1.1.	Iskop zemlje s odlaganjem u neposrednoj blizini građevinske jame. Stavka uključuje i uređenje temeljnog tla mehaničkim zbijanjem do projektiranog modula stišljivosti. Obračun prema m3 zemlje u sraslom stanju.	**D.1.1**	Excavation of soil with dumping in vicinity of the construction pit. This item also includes compaction of base soil to the designed compaction module. Calculation is conducted per m3 of soil in its natural state.	m3	790,00	**90,00**	71.100,00	0,00	0,00	768,38	69.154,20	0,00	0,00	768,38	69.154,20
1.2.	Zatrpavanje građevinske jame (nakon izvedbe temelja) materijalom iz iskopa. Zatrpavanje građevinske jame izvodi se u slojevima debljine 20 cm uz zasebno nabijanje svakog sloja. Obračun prema m3 zemlje u sraslom stanju.	**D.1.2**	Backfilling of construction pit (after construction of foundations) with the material from the excavation. Backfilling of the construction pit is to be realized in 20 cm thick layers with compaction of each layer separately. Calculation is conducted per m3 of soil in its natural state.	m3	90,00	**18,00**	1.620,00	0,00	0,00	47,00	846,00	0,00	0,00	47,00	846,00
1.3.	Prijevoz viška materijala iz iskopa nakon zatrpavanja građevinske jame na odlagalište udaljeno do 5 km. Stavka uključuje utovar, prijevoz i istovar te razastiranje materijala na odlagalištu. Obračun prema m3 zemlje u sraslom stanju.	**D.1.3**	Transportation of the excess material from the excavation after backfilling to the dump site up to 5 km. This item includes loading, transportation and unloading, as well as levelling of the material, at the dump site. Calculation is conducted per m3 of soil in its natural state.	m3	723,00	**12,00**	8.676,00	0,00	0,00	721,38	8.656,56	0,00	0,00	721,38	8.656,56
1.	**Zemljani radovi ukupno:**	**D.1**	**Earth works TOTAL**				**81.396,00**		**0,00**		**78.656,76**		**0,00**		**78.656,76**
2.	**Betonski radovi**	**D.2**	**Concrete works**												
2.1.	Betoniranje podložnog betona razreda tlačne čvrstoće C16/20. Stavka uključuje proizvodnju, odnosno nabavu i dopremu betona, ugradnju i njegu svježeg betona. Obračun prema m3 ugrađenog betona.	**D.2.1**	Concreting of the lean concrete in C16/20 concrete. This item includes production, i.e. supply and transportation of concrete, placement and curing of fresh concrete. Calculation is conducted per m3 of placed concrete.												
	a) Temeljna ploča zgrade za osoblje		a) Building for personnel foundation slab	m3	2,06	**750,00**	1.545,00	0,00	0,00	2,06	1.545,00	0,00	0,00	2,06	1.545,00
	b) Sabirni bazen za otpadne sanitarne vode		b) Sanitary waste water collection reservoir	m3	1,50	**750,00**	1.125,00	0,00	0,00	1,50	1.125,00	0,00	0,00	1,50	1.125,00
	c) Vaga		c) Weigh	m3	2,96	**750,00**	2.220,00	0,00	0,00	2,96	2.220,00	0,00	0,00	2,96	2.220,00
	d) Garaža za kompaktor		d) Garage for compactor	m3	10,60	**750,00**	7.950,00	0,00	0,00	10,60	7.950,00	0,00	0,00	10,60	7.950,00
	e) Perilište kotača		e) Wheel washing facility	m3	0,00	**750,00**	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
	f) Temeljna ploča stabilnog diesel agregata		f) Stable electric diesel engine foundation slab	m3	0,76	**750,00**	570,00	0,00	0,00	0,76	570,00	0,00	0,00	0,76	570,00
2.2.	Betoniranje betonom razreda tlačne čvrstoće C30/37. Stavka uključuje proizvodnju, odnosno nabavu i dopremu betona, ugradnju i njegu svježeg betona. Stavka također uključuje svu potrebnu oplatu te materijale i radove vezane uz oplatu. Obračun prema m3 ugrađenog betona.	**D.2.2**	Concreting in C30/37 concrete. This item includes production, i.e. supply and transportation of concrete, placement and curing of fresh concrete. This item also includes the appropriate formwork, and all the materials and works related to that. Calculation is conducted per m3 of placed concrete.												
	a) Temeljna ploča zgrade za osoblje		a) Building for personnel foundation slab	m3	3,20	**1.350,00**	4.320,00	0,00	0,00	3,20	4.320,00	0,00	0,00	3,20	4.320,00
	b) Sabirni bazen za otpadne sanitarne vode		b) Sanitary waste water collection reservoir	m3	11,24	**1.350,00**	15.174,00	0,00	0,00	11,24	15.174,00	0,00	0,00	11,24	15.174,00
	c) Vaga		c) Weigh	m3	21,05	**1.350,00**	28.417,50	0,00	0,00	21,05	28.417,50	0,00	0,00	21,05	28.417,50
	d) Garaža za kompaktor		d) Garage for compactor	m3	40,17	**1.350,00**	54.229,50	0,00	0,00	40,17	54.229,50	0,00	0,00	40,17	54.229,50

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
						Jedinična	Ukupna	Količina	Sit. 12 (HRK)	Količina	Sit. 12 sveukupno (HRK)	Količina	Sit.Ok (HRK)	Količina	Sit. Ok sveukupno (HRK)
1	2			3	4	5	6	9	10	11	12	9	10	11	12
	KONSTRUKCIJA	**D**	**CIVIL WORKS - CONSTRUCTION**												
	e) Temeljna ploča stabilnog diesel agregata		e) Stable electric diesel engine foundation slab	m3	1,50	**1.350,00**	2.025,00	0,00	0,00	1,20	1.620,00	0,00	0,00	1,20	1.620,00
2.3.	Betoniranje betonom razreda tlačne čvrstoće C20/25. Stavka uključuje proizvodnju, odnosno nabavu i dopremu betona, ugradnju i njegu svježeg betona. Stavka također uključuje svu potrebnu oplatu te materijale i radove vezane uz oplatu. Obračun prema m3 ugrađenog betona.	**D.2.3**	Concreting in C20/25 concrete. This item includes production, i.e. supply and transportation of concrete, placement and curing of fresh concrete. This item also includes the appropriate formwork, and all the materials and works related to that. Calculation is conducted per m3 of placed concrete.												
	a) Vaga		a) Weigh	m3	2,14	**1.300,00**	2.782,00	0,00	0,00	2,14	2.782,00	0,00	0,00	2,14	2.782,00
	b) Garaža za kompaktor		b) Garage for compactor	m3	8,50	**1.300,00**	11.050,00	0,00	0,00	8,01	10.413,00	0,00	0,00	8,01	10.413,00
	c) Perilište kotača		c) Wheel washing facility	m3	0,00	**1.300,00**	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
2.4.	Betoniranje temelja ograde dimenzija 0.50 x 0.50 x 0.80 m betonom razreda tlačne čvrstoće C20/25. Temelji se nalaze na osnoj udaljenosti 200.0 cm. Stavka uključuje nabavu, dopremu i strojnu ugradnju, njegu svježeg betona i oplatu.	**D.2.4**	Concreting foundation blocks for the fence of 0.40 x 0.40 x 0.45 m dimensions, with concrete of compression strength C20/25. The foundations are at the axial distance of 200.0 cm. The price includes the supply and transport of concrete and mechanical placement and curing of fresh concrete, and the formwork.	kom	155,00	**95,00**	14.725,00	0,00	0,00	151,00	14.345,00	0,00	0,00	151,00	14.345,00
2.	**Betonski radovi ukupno:**	**D.2**	**Concrete works TOTAL**				**146.133,00**		**0,00**		**144.711,00**		**0,00**		**144.711,00**
3.	**Armirački radovi**	**D.3**	**Reinforcement works**												
	Nabava, doprema, rezanje, savijanje, prijenos do mjesta ugradnje i ugradnja armature. Stavka uključuje sav potreban materijal i radove. Obračun prema kg ugrađene armature.	**D.3.1**	Supply, cutting, bending, transportation and placing of reinforcement. This item includes all the work and material. Calculation is conducted per kg of placed reinforcement.												
	a) Temeljna ploča zgrade za osoblje		a) Building for personnel foundation slab	kg	455,78	**7,50**	3.418,35	0,00	0,00	455,78	3.418,35	0,00	0,00	455,78	3.418,35
	b) Sabirni bazen za otpadne sanitarne vode		b) Sanitary waste water collection reservoir	kg	1.216,04	**7,50**	9.120,30	0,00	0,00	1.216,04	9.120,30	0,00	0,00	1.216,04	9.120,30
	c) Vaga		c) Weigh	kg	1.081,20	**7,50**	8.109,00	0,00	0,00	1.081,20	8.109,00	0,00	0,00	1.081,20	8.109,00
	d) Garaža za kompaktor		d) Garage for compactor	kg	4.409,49	**7,50**	33.071,18	0,00	0,00	4.409,49	33.071,18	0,00	0,00	4.409,49	33.071,18
	e) Perilište kotača		e) Wheel washing facility	kg	0,00	**7,50**	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
	f) Temeljna ploča stabilnog diesel agregata		f) Stable electric diesel engine foundation slab	kg	164,58	**7,50**	1.234,35	0,00	0,00	164,58	1.234,35	0,00	0,00	164,58	1.234,35
3.	**3. Armirački radovi ukupno:**	**D.3**	**Reinforcement works TOTAL**				**54.953,18**		**0,00**		**54.953,18**		**0,00**		**54.953,18**
4.	**4. Čelične konstrukcije**	**D.4**	**Metal works**												

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
						Jedinična	Ukupna	Količina	Sit. 12 (HRK)	Količina	Sit. 12 sveukupno (HRK)	Količina	Sit.Ok (HRK)	Količina	Sit. Ok sveukupno (HRK)
				Unit	Quantity	Rate	Amount								
1	2			3	4	5	6	9	10	11	12	9	10	11	12
	KONSTRUKCIJA	**D**	**CIVIL WORKS - CONSTRUCTION**												
4.1.	Izrada, transport i montaža garaze za kompaktor prema	**D.4.1**	Fabrication, transportation and installation of garage for compactor according to the executable documentation, technical description and specification of materials. The price of this item includes: supply and delivery of steel (hot cast profiles, seamless round tubes, sheets, hot tubing square and rectangular hollow profiles, screws, making workshop documentation and production of steel tower structure, supply of electrodes, welding, blackmail includes work and all necessary material with loading, unloading, transport and transfer of materials and construction, as well as the necessary machinery, and the costs of testing												
	izvedbenoj dokumentaciji, tehničkom opisu i specifikaciji		Provides for the protection of AK steel construction hot-dip galvanized, with previous blasting and surface preparation. According to standard EN 12944-2 - protection category C2. Complete the steel construction is cleaned to the level Sa 2 ½ (blasting, chemical equipments, brushes).												
	materijala. U cijenu ove stavke uključeno: dobava i		Is calculated kg steel, actually built into the design, quality control, size, and position exactly according to the project. Corrosion protection of the supporting steel structure. Complete the steel construction is cleaned (sand blasting, chemical equipment, brushes). need to be cleaned before construction hot-dip galvanizing process.												
	doprema čelika (vrućevaljanih profila, bešavnih okruglih		During installing, receiving ropes must be of non-metals (tape), which do not damage the corrosion protection layers of the structure. Upon completion of construction, installation, repair damaged parts of the coating. The surfaces of the steel structure that contact with concrete, not to be painted.												
	cijevi, limova, vrućedogotovljenih kvadratnih i pravokutnih šupljih profila, vijaka, izrada radioničke dokumentacije te izrada čelične konstrukcije stupa, dobava elektroda, zavarivanje. Ucijenu je uračunat rad i sav potreban materijal s utovarom, istovarom, prijevozom i prijenosom materijala i konstrukcije, kao i potrebna mehanizacija, te troškovi ispitivanja materijala.														
	Predviđena je AK zaštita čelične konstrukcije vrućim														

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
						Jedinična	Ukupna	Količina	Sit. 12 (HRK)	Količina	Sit. 12 sveukupno (HRK)	Količina	Sit.Ok (HRK)	Količina	Sit. Ok sveukupno (HRK)
				Unit	Quantity	Rate	Amount								
1	2			3	4	5	6	9	10	11	12	9	10	11	12
	KONSTRUKCIJA	**D**	**CIVIL WORKS - CONSTRUCTION**												
	pocinčavanjem, s prethodnim pjeskarenjem i pripremom površine. Prema normi HRN EN 12944-2 - kategorija zaštite C2. Kompletnu se čeličnu konstrukciju očisti do nivoa Sa 2 / (pjeskarenje, kemijska srestva, četke). Obračunava se kg čelika, stvarno ugrađenog u konstrukciju, provjere kvalitete, dimenzija, te položaja točno prema projektu. Antikorozivna zaštita nosive čelične konstrukcije. Kompletnu se čeličnu konstrukciju očisti (pjeskarenje, kemijska srestva, četke). Potrebno je da konstrukcija bude očišćena prije postupka vrućeg pocinčavanja. Pri montaži, prihvatna užad mora biti od nemetala (gurtne), koje ne oštećuju slojeve AKZ na konstrukciji. Po završenoj montaži konstrukcije, popraviti oštećene dijelove premaza. Plohe čelične konstrukcije koje kontaktiraju s betonom, ne premazuju se.			kg	2.915,00	27,00	78.705,00	0,00	0,00	2.915,00	78.705,00	0,00	0,00	2.915,00	78.705,00
4.2.	4.2. Dobava i izvedba oborinske kanalizacije iz pocinčanog lima debljine 0,55 mm. Donji dio oborinske vertikale biti će izrađen od ljevano željezne cijevi O100 do visine 1,50 m od tla	D.4.2	Supply, delivery, assembly and anti-corrosive protection for steel structure wheel washing facility fence. Calculation is conducted per m of mounted steel structure members.	ml	0,00	85,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
4.	**4. Čelične konstrukcije ukupno:**	**D.4**	**Metal works TOTAL**				**78.705,00**		**0,00**		**78.705,00**		**0,00**		**78.705,00**
5.	**5. Monterski radovi**	**D.5**	**Assembly works**												
5.1.	5.1 Krovna galanterija Nabava i montaža krovne galanterije od pocinčanog plastificiranog čeličnog lima. Stavka uključuje sve	D.5.1	Roof metalware. Procurement and installation of roof metalware from steel galvanized plastic coated sheet metal. Including all necessary materials for attaching to the concrete building structure (hooks, clamps), sealed element joints. Construction and assembly according to a detailed blueprint and agreement with the designer. Color according to design. The item includes all materials and labor. Calculated by ml of assembled, finalized metalware. The gutter is made from galvanized steel 0.55mm thick, rectangular cross section 15 x 15 cm with a slope on both sides, attached by galvanized steel hooks 30/3 mm to the roof purlins in the middle of the roof spaced about 75 cm apart.												

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
						Jedinična	Ukupna	Količina	Sit. 12 (HRK)	Količina	Sit. 12 sveukupno (HRK)	Količina	Sit.Ok (HRK)	Količina	Sit. Ok sveukupno (HRK)
				Unit	Quantity	Rate	Amount								
1	2			3	4	5	6	9	10	11	12	9	10	11	12
	KONSTRUKCIJA	**D**	**CIVIL WORKS - CONSTRUCTION**												
	materijale za montažu na nosivu konstukciju (kuke, kvačice). Izvedba i montaža prema izvedbenom projektu i dogovoru s projektantom. Boja prema projektu. Stavka uključuje sve materijale i rad. Obračun prema m' montiranog lima. Žlijeb se izvodi od nehrđajučeg čelika debljine 0.55 mm, pravokutnog poprečnog presjeka 15 x 15 cm s nagibom na obje strane, pričvršćenog kukama od nehrđajućeg čelika dimenzija 30/3 mm na podrožnice u sredini krova razmaknute oko 75 cm. Vertikalne cijevi za odvodnju izvode se od nehrđajućeg čelika debljine 0.55 mm, kvadratičnog poprečnog presjeka 10 x 10 cm. Cijevi za odvodnju pričvršćene su za stupove nehrđajućim obujmicama od plosnatog čelika dimenzija 30/3 mm. Obujmice se montiraju na svakih 1.00 m međusobne udaljenosti. Boja RAL 7001, siva		Vertical drainage pipes made from galvanized steel 0.55 mm thick, square cross section 10 x10 cm. Drainage pipes are fixed to the pillars by galvanized collars made from flat steel 30/3 mm. Collars are installed about every 1.00 m. Color RAL 7004, gray	m1	0,00	**185,00**	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
5.2.	5.2. Pokrov limom Nabava i montaža nosivog čeličnog profiliranog pokrovnog lima d= 0,55. Kvaliteta čelika S250, pocinčan s 275 g/m2 prema normama EN10142 i EN10147-2000, nosivosti 1.50 kN/m2, završnog premaza poliesterskom bojom RAL 7001 (siva) debljine 25 mikrona. Stavka	**D.5.2**	Covering the roof with sheet metal Procurement and assembly of roof covering steel sheets d=0,55. Grading of the steel sheet S250, galvanized 275 g/m2 according to EN10142 and EN10147-2000 norms, load bearing 1.50 kN/m2, final coating of polyester paint RAL 7004 (gray) 25 microns thick. The item includes the necessary substructure for fastening the covering steel sheets. The substructure is secured to the reinforced concrete sloped slab or to the steel structure (according to the design) according to the details of the manufacturer. The item includes all necessary covering and flashing profiles on surface aberrations, rustproof bolts, washers and seals. Insulating layers under the cover are calculated separately. Creation of the workshop documentation and execution details have to be submitted by the constructor to the designer for approval. The item included all necessary materials and											

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
						Jedinična	Ukupna	Količina	Sit. 12 (HRK)	Količina	Sit. 12 sveukupno (HRK)	Količina	Sit.Ok (HRK)	Količina	Sit. Ok sveukupno (HRK)
1	2			3	4	5	6	9	10	11	12	9	10	11	12
	KONSTRUKCIJA	D	CIVIL WORKS - CONSTRUCTION												
	uključuje sve potrebne podkonstrukcije za pričvršćenje pokrovnog čeličnog lima. Podkonstrukcija se pričvršćuje na čeličnu konstrukciju (prema projektu) prema detaljima proizvođača. Stavka uključuje sve potrebne poklopce, nehrđajuće matice, podloške i brtve. Izolacijski slojevi ispod pokrova računaju se zasebno. Izrada izvedbene dokumentacije i izvedbenih detalja mora se predati konstrukteru na odobrenje. Stavka uključuje sve potrebne materijale i rad. Obračun prema m2 montiranog pokrova.			m2	0,00	255,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
5.	5. Monterski radovi ukupno:	D.5	Assembly works TOTAL				0,00		0,00		0,00		0,00		0,00
	UKUPNO KONSTRUKCIJA						361.187,18		0,00		357.025,94		0,00		357.025,94
4.	GRAĐEVINSKI PROJEKT	D	CIVIL WORKS												
	KONSTRUKCIJA	D	CONSTRUCTION												
	REKAPITULACIJA		TOTAL			Ukupna cijena [HRK]									
IV	GRAĐEVINSKI PROJEKT - KONSTRUKCIJA	D	CIVIL WORKS-CONSTRUCTION			35									
1.	ZEMLJANI RADOVI	D.1	EARTH WORKS			35	81.396,00		0,00		78.656,76		0,00		78.656,76
2.	BETONSKI RADOVI	D.2	CONCRETE WORKS			36	146.133,00		0,00		144.711,00		0,00		144.711,00
3.	ARMIRAČKI RADOVI	D.3	REINFORCEMENT WORKS			37	54.953,18		0,00		54.953,18		0,00		54.953,18
4.	ČELIČNE KONSTRUKCIJE	D.4	METAL WORKS			38	78.705,00		0,00		78.705,00		0,00		78.705,00
5.	MONTERSKII RADOVI	D.5	ASSEMBLY WORKS			39	0,00		0,00		0,00		0,00		0,00
	SVEUKUPNO						361.187,18		0,00		357.025,94		0,00		357.025,94

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
				Unit	Quantity	Jedinična Rate	Ukupna Amount	Količina	Sit. 12 (HRK)	Količina	it. 12 sveukupn (HRK)	Količina	Sit.Ok (HRK)	Količina	t. Ok sveukupn (HRK)
1	2			3	4	5	6	17	18	19	20	17	18	19	20
	ODLAGALIŠTE														
1.	**ETAPA 2 - FAZA 1**														
	GRAĐEVINSKI RADOVI														
A	**ISKOP ODLAGALIŠNOG BAZENA POLJA I, II, III i IV, IZVOĐENJE SUSTAVA CISTE OBORINSKE VODE I MAKADAMSKE CESTE (1 + 2 + 3)**	**E.1**	**Excavation of landfill basins for landfill cells I, II, III and IV and construction of the clean stormwater drainage system and macadam roads.**												
1.	**1. PRIPREMNI RADOVI**	**E.1.1**	**Preparation works**												
1.1.	1.1. Pripremni radovi podrazumjevaju pripremu za nesmetan rad na gradilištu (odlagalištu) odnosno izradu plana svih aktivnosti koje su potrebne da se građevina izgadi u skladu s važećim zakonima i propisima u ugovorenom roku i uz poštivanje ugovorenih ekonomsko-financijskih uvjeta. Pripremni radovi počinju izradom Projekta organizacije građenja od strane Izvođača a sve prema Općim tehničkim uvjetima za radove na cestama (OTU pogl. 1-01, IGH 2001). Nakon izrade Projekta organizacije građenja isti se daje Investitoru na prihvaćanje i odobravanje. Obračun po kompletu izrađenog projekta.	**E.1.1.1**	Preparation work includes the preparation for undisturbed work at the construction site (disposal site), namely the elaboration of all activities which are necessary for the construction to be built in accordance with valid laws and regulations and provisions in the contracted period and respecting contracted economic-financial conditions. Preparation work starts with the elaboration of the Organization design by the Client. After the elaboration of the Construction organization design it is delivered to the Client for acceptance and approval. The Calculation according to the set of elaborated design.	komp	1,00	**27.000,00**	27.000,00	0,00	0,00	1,00	27.000,00	0,00	0,00	1,00	27.000,00
1.2.	1.2. Izvedba privremenih gradilišnih puteva i parkirališta, postavljanje privremenih gradilišnih objekata (baraka, kontejnera i sl.), izvedba svih za rad neophodnih instalacija te nabava i doprema sve potrebne opreme a sve prema izrađenom i od Investitora prihvaćenom Projektu organizacije građenja pridržavajući se Općih tehničkih uvjeta za radove na cestama (OTU pogl. 0-20, IGH 2001.). Stavkom je obuhvaćeno i održavanje svega	**E.1.1.2**	Realization of temporary construction roads and parking lots, including the road toward the dump in the area of the disposal site, placing construction facilities (barracks, containers, and similar), realization of all necessary installations for the work, and supply and delivery of all necessary equipment, everything according to the elaborated Construction organization design accepted by the Client. The item includes the maintenance of everything specified during construction and removal after the completion of works. Calculation per set.												

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
						Jedinična		Količina	Sit. 12 (HRK)	Količina	it. 12 sveukupn (HRK)	Količina	Sit.Ok (HRK)	Količina	t. Ok sveukupn (HRK)
				Unit	Quantity	Rate	Ukupna Amount								
1	2			3	4	5	6	17	18	19	20	17	18	19	20
	ODLAGALIŠTE														
1.	**ETAPA 2 - FAZA 1**														
	navedenog tijekom građenja i uklanjanje nakon završetka radova. Obračun po kompletu.			komp	1,00	**10.000,00**	10.000,00	0,00	0,00	1,00	10.000,00	0,00	0,00	1,00	10.000,00
1.3.	1.3 Sječenje grmlja, šiblja i stabala svih dimenzija te uklanjanje istih sa lokacije odlagališta Rad obuhvaća krčenje i uklanjanje šiblja,grmlja i stabala s korjenjem sa cjelokupne površine odlagališta oznake "1a" uključujući obodni kanal i požarni put te deponiranje u krugu odlagališta na mjesto određenom prema Projektu organizacije građenja. Rad se mjeri i obračunava u kvadratnim metrima (m2) tlocrtne površine,bez obzira na gustoću i pokrovnost raslinja ovjerene od strane nadzornog inženjera.	**E.1.1.3**	Cutting of bushes, brushwood and trees of all dimensions and their removal from the disposal site and protection zone (in the area where excavation and backfilling are performed). The work includes cutting and removal of brushwood, bushes and trees with roots from the entire surface of the disposal including the boundary channel and fire access road, and disposal in the area of the disposal in the place determined according to the Construction organization design. Work is measured and calculated in square meters (m2) of plan area, disregarding the density and coverage of the vegetation certified by the supervising engineer.	m2	9.315,81	**1,20**	11.178,97	0,00	0,00	9.315,81	11.178,97	0,00	0,00	9.315,81	11.178,97
1.4.	1.4. Izvođenje geodetskih radova koji obuhvaćaju izradu elaborata za iskolčenje građevine, iskolčenje građevine na terenu,sva mjerenja koja su u vezi s prijenosom podataka sa projekta na teren i obrnuto,održavanje iskolčenih oznaka na terenu u cijelom razdoblju od početka radova do predaje svih radova investitoru i izrada snimke izvedenog stanja. Obračun je po m2 tlocrtne površine na kojoj su izvršeni radovi.	**E.1.1.4**	Surveying works include the compilation of the elaborate for the stakeout of the building, stakeout of the structure on terrain, all measurements regarding the transfer of data from the design onto the terrain and vice versa, preservation of stakeout markings on terrain during the entire period from the beginning of works until the handover of all works to the client and elaboration of the as-built survey. Calculation per m2 of plan area.	m2	46.625,00	**0,70**	32.637,50	0,00	0,00	46.625,00	32.637,50	0,00	0,00	46.625,00	32.637,50
1.	**PRIPREMNI RADOVI UKUPNO**	**E.1.1**	**Preparation works TOTAL**				**80.816,47**		**0,00**		**80.816,47**		**0,00**		**80.816,47**
2.	**ZEMLJANI RADOVI**	**E.1.2**	**Earthworks**												

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
						Jedinična	Ukupna	Količina	Sit. 12 (HRK)	Količina	it. 12 sveukupn (HRK)	Količina	Sit.Ok (HRK)	Količina	t. Ok sveukupn (HRK)
1	2			3	4	5	6	17	18	19	20	17	18	19	20
	ODLAGALIŠTE														
1.	**ETAPA 2 - FAZA 1**														
2.1.	2.1. Strojni iskop materijala "B" kategorije, do nivoa projektom	E.1.2.1	Mechanical excavation of class "B" material, to the elevations specified in the design. The item includes excavation, transport and disposal at the place where backfilling shall be performed. The excavation includes also the fragmentation of large pieces into grains of maximum size of 40 cm. Calculation is conducted per m3 of actually excavated and transported material in natural condition, based on surveyed profiles and in the presence of the supervising engineer who shall also determine the class and percentage of excavated material.												
	nazančenih kota, radi formiranja prostora (kade) za odlaganje otpada, na cijeloj površini odlagališta uključujući i obodni kanal. Stavka uključuje iskop, transport i deponiranje na mjesto gdje će se vršiti nasipavanje. Višak materijala koji se pojavi pri izradi nasipa odvesti i deponirati na prostor odlagališta. Pod iskopom se podrazumjeva i usitnjavanje krupnih komada na zrno maksimalne veličine 40 cm.			m3	16.008,21	**33,00**	528.270,93	0,00	0,00	15.908,21	524.970,93	0,00	0,00	15.908,21	524.970,93
2.2.	2.2. Izrada nasipa radi postizanja projektom zahtjevanih kota s	E.1.2.2	Construction of the embankment for achieving the dimensions specified in the design with the material from the excavation (stone material). The item includes spreading, levelling and compaction to the necessary compaction level (≥ 40 MN/m2) of transported material. Backfilling is conducted in layers, and all the compaction level requirements of the previous layer have to be satisfied, which has to be shown to the supervising engineer. Maximum thickness of the spread layer of the embankment is determined by the contractor from his experience or on a trial section. All the works regarding the trial section are to be borne by the contractor. The item includes all the necessary testing regarding the construction of the embankment specified in the quality control programme.												
	materijalom iz iskopa (kameniti materijal). Stavka uključuje razastiranje, izravnavanje te zbijanje do potrebne zbijenosti (>40 MN/m2) dopremljenog materijala. Nasipavanje vršiti u slojevima s tim da se zadovolje uvjeti zbijenosti prethodnog sloja što mora biti predočeno nadzornom inženjeru. Maximalnu debljinu razgrnutog sloja nasipa određuje izvođač svojim iskustvom ili na pokusnoj dionici. Svi radovi vezani za pokusnu dionicu padaju na teret izvođača. Stavkom su obuhvaćena i sva potrebna ispitivanja vezana za izradu nasipa navedena u programu kontrole kvalitete.			m3	40.459,15	**13,00**	525.968,95	0,00	0,00	39.959,15	519.468,95	0,00	0,00	39.959,15	519.468,95

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
						Jedinična	Ukupna	Količina	Sit. 12 (HRK)	Količina	t. 12 sveukupn (HRK)	Količina	Sit.Ok (HRK)	Količina	t. Ok sveukupn (HRK)
				Unit	Quantity	Rate	Amount								
1	2			3	4	5	6	17	18	19	20	17	18	19	20
	ODLAGALIŠTE														
1.	**ETAPA 2 - FAZA 1**														
2.3.	2.3. Nabava, dobava i ugradnja materijala za sidrenje - kamenog materijala granulacije 0/63 mm. Stavka uključuje utovar, transport, ugradnju i zbijanje podloge do potrebne zbijenosti (>20 MN/m2). Obračun se obavlja po m3 izrađenog nasipa u zbijenom stanju.	E.1.2.3	Supply, delivery and installation of the material for anchor trench. Material is stone, granulation 0/63 mm. The item includes loading, transport, spreading, levelling and compaction of the material until the necessary compaction level (≥20MN/m2). Calculation per m3 of placed material in compacted state.	m3	1.178,91	**45,00**	53.050,95	0,00	0,00	1.178,91	53.050,95	0,00	0,00	1.178,91	53.050,95
	MAKADAMSKA CESTA		**MACADAM ROAD**												
2.4.	2.4. Izrada nasipa radi postizanja projektom zahtjevanih kota s materijalom iz iskopa (kameniti materijal) Stavka uključuje razastiranje, izravnavanje te zbijanje do potrebne zbijenosti (>40 MN/m2) dopremljenog materijala Nasipavanje vršiti u slojevima s tim da se zadovolje uvjeti zbijenosti prethodnog sloja što mora biti predočeno nadzornom inženjeru. Maximalnu debljinu razgrnutog sloja nasipa određuje izvođač svojim iskustvom ili na pokusnoj dionici. Svi radovi vezani za pokusnu dionicu padaju na teret izvođača. Stavkom su obuhvaćena i sva potrebna ispitivanja vezana za izradu nasipa navedena u programu kontrole kvalitete.	E.1.2.4	Construction of the embankment for achieving the dimensions specified in the design with the material from the excavation (stone material). The item includes spreading, levelling and compaction to the necessary compaction level (≥ 40 MN/m2) of transported material. Backfilling is conducted in layers, and all the compaction level requirements of the previous layer have to be satisfied, which has to be shown to the supervising engineer. Maximum thickness of the spread layer of the embankment is determined by the contractor from his experience or on a trial section. All the works regarding the trial section are to be borne by the contractor. The item includes all the necessary testing regarding the construction of the embankment specified in the quality control programme.	m3	1.620,00	**23,50**	38 070,00	0,00	0,00	1.592,30	37.419,05	0,00	0,00	1.592,30	37.419,05

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
				Unit	Quantity	Jedinična Rate	Ukupna Amount	Količina	Sit. 12 (HRK)	Količina	it. 12 sveukupn (HRK)	Količina	Sit.Ok (HRK)	Količina	t. Ok sveukupn (HRK)
1	2			3	4	5	6	17	18	19	20	17	18	19	20
	ODLAGALIŠTE														
1.	**ETAPA 2 - FAZA 1**														
2.5.	2.5. Nabava i dobava šljunka ili drobljenca granulacije 0/63 mm, te izrada tamponskog sloja kolničke konstrukcije ukupne debljine 35 cm. Stavka uključuje utovar, transport, ugradnju i zbijanje podloge do potrebne zbijenosti. Stavka uključuje kontrolna ispitivanja sukladno Programu kontrole i osiguranja kvalitete. Obračun se obavlja po m3 izrađenog nasipa u zbijenom stanju.	E.1.2.5	Supply, delivery and installation of stone materials granulation 0/63 mm for installation in the buffer layer of the fire safety roads. Thickness of the layer is 35 cm. The item includes loading, transport, spreading, levelling and compaction of the material until the necessary compaction level. The item includes all the necessary testing specified in the chapter Quality control and insurance programme. Calculation per m3 embedded	m3	230,00	**65,00**	14.950,00	0,00	0,00	227,15	14.764,75	0,00	0,00	227,15	14.764,75
2.6.	2.6. Nabava, dobava i ugradnja kamene sitneži ugornji sloj protupožarne ceste. Debljina sloja je 10 cm. Stavka uključuje utovar, transport, ugradnju i zbijanje podloge do potrebne zbijenosti. Stavka uključuje kontrolna ispitivanja sukladno Programu kontrole i osiguranja kvalitete. Obračun se obavlja po m3 izrađenog nasipa u zbijenom stanju.	E.1.2.6	Supply, delivery and installation of chippings in the upper layer of fire safety road. Thickness of the layer is 10 cm. The item includes loading, transport, spreading, levelling and compaction of the material until the necessary compaction level. The item includes all the necessary testing specified in the chapter Quality control and insurance programme. Calculation per m3 embedded	m3	65,00	**85,00**	5.525,00	0,00	0,00	64,90	5.516,50	0,00	0,00	64,90	5.516,50
2.7.	2.7. Prijevoz viška materijala iz iskopa nakon zatrpavanja prostora oko izvedenih građevina na deponiju unutar gradilišta na udaljenosti do 500m. Stavka uključuje utovar, prijevoz i istovar te razastiranje materijala na deponiji.	E.1.2.7	Transport of excess material from the excavation after backfilling the area around the building carried out at the landfill within construction site at distances up to 500m. The item includes loading, transport and unloading and spreading material at the landfill.	m3	78.404,00	**2,50**	196.010,00	0,00	0,00	78.404,00	196.010,00	0,00	0,00	78.404,00	196.010,00
2.	**ZEMLJANI RADOVI UKUPNO**	**E.1.2**	**Earthworks TOTAL**				**1.361.845,83**		**0,00**		**1.351.201,13**		**0,00**		**1.351.201,13**
3.	**SUSTAV ODVODNJE ČISTIH OBORINSKIH VODA**	**E.1.3**	**Rainfall collection system**												
3.1.	**3.1. OBODNI KANAL**	**E.1.3.1**	**PERIMETER CHANNEL**												

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
						Jedinična		Količina	Sit. 12 (HRK)	Količina	it. 12 sveukupn (HRK)	Količina	Sit.Ok (HRK)	Količina	t. Ok sveukupn (HRK)
				Unit	Quantity	Rate	Ukupna Amount								
1	2			3	4	5	6	17	18	19	20	17	18	19	20
	ODLAGALIŠTE														
1.	**ETAPA 2 - FAZA 1**														
3.1.1.	3.1.1. Izrada trapeznog obodnog kanala oko odlagališta. Kanal	**E.1.3.1.1**	Construction of the trapezoidal perimeter channel. The channel is of trapezoidal shape, of 60 cm width in the lower part, and 160 cm width in the upper part and of 50 cm height with the slope inclination 1:1. The channel has to be realized exactly according to dimensions specified in the design. The item includes forming the channel shape in already realized embankment, spreading and levelling and compaction to the necessary compaction level (>40 MN/m2) or by excavation in the cutting. Calculation is conducted per m of formed channel.												
	je trapeznog oblika, u donjem dijelu je širine 60 cm, a u gornjem 160 cm i visine 50 cm sa nagibom pokosa 1:1. Kanal izvesti točno prema projektu naznačenim kotama. Stavka uključuje formiranje oblika kanala u već izvedenom nasipu, razastiranje i izravnavanje te zbijanje do potrebne zbijenosti (>40 MN/m2).														
	Obračun se vrši po m formiranog kanala. Uključeno i geodetsko postavljanje i odvoz iskopanog			m1	680,00	**45,00**	30.600,00	0,00	0,00	677,00	30.465,00	0,00	0,00	677,00	30.465,00
3.1.2.	3.1.2. Betoniranje obodnog kanala betonom debljine d=12,0 cm	**E.1.3.1.2**	Concreting lateral sides of the canal, after forming the canal shape, in concrete of d=12.0 cm thickness and of compressive strength C 25/30. Concrete reinforced with mesh reinforcement Q-131 with retarders flow channels on slopes greater than 7%. The item includes supply (batching) of concrete, placement and concrete curing and placement of fabric reinforcement and formwork. Calculation is conducted per m3 of embedded concrete.												
	i tlačne čvrstoće C 25/30. Beton armirati sa mrežastom armaturom Q-131 sa usporivačima toka na nagibima kanala većim od 7%. Stavkom je obuhvaćeno dobava (spravljanje) betona, ugradnja i njegovanje betona te postavljanje armaturne mreže i oplate. Stavkom su obuhvaćena i sva potrebna ispitivanja navedena u poglavlju Program kontrole i osiguranja kvalitete.														
	Obračun se vrši po m3 ugrađenog betona.			m3	[illegible]2,50	**1.300,00**	289.250,00	0,00	0,00	222,05	288.665,00	0,00	0,00	222,05	288.665,00
3.2.	**3.2. AB PROPUST**	**E.1.3.2**	**RC CULVERT**												
3.2.1.	3.2.1. izvedba ab prpusta betonom tlačne čvrstoće C 25/30.		Construction of RC culvert with concrete compressive strength C 25/30. Concrete reinforced with mesh reinforcement Q-131st Sentence included supply (making) concrete placing and curing of concrete and placing wire mesh and formwork. The items are covered and all necessary tests specified in section program control and quality assurance.												
	Beton armirati sa mrežastom armaturom Q-131. Stavkom		The calculation is performed by a built ab failure.												
	je obuhvaćeno dobava (spravljanje) betona, ugradnja i njegovanje betona te postavljanje armaturne mreže i														

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
						Jedinična	Ukupna	Količina	Sit. 12 (HRK)	Količina	it. 12 sveukupn (HRK)	Količina	Sit.Ok (HRK)	Količina	t. Ok sveukupn (HRK)
				Unit	Quantity	Rate	Amount								
1	2			3	4	5	6	17	18	19	20	17	18	19	20
	ODLAGALIŠTE														
1.	ETAPA 2 - FAZA 1														
	oplate. Stavkom su obuhvaćena i sva potrebna ispitivanja navedena u poglavlju Program kontrole i osiguranja kvalitete. Obračun se vrši po ugrađenom ab propustu. Svi iskopi betoni i ulazno izlazne glave i betonska cijev i njena podloga i oboga betonom oko betonske cijevi			kom	2,00	7.000,00	14.000,00	0,00	0,00	2,00	14.000,00	0,00	0,00	2,00	14.000,00
3.3.	3.3. TALOŽNIK	E.1.3.3	SEDIMENTION TANK												
	Nabava, doprema i ugradnja rebrastih PE kanalizacijskih cijevi OD/ID 800/688 mm, SN 8, za izvedbu tijela taložnika. Stavka uključuje izradu okana sa svim elementima (ploča dna, priključci cijevi, kineta...) do pune gotovosti. Stavka uključuje sav potreban rad i materijal za ugradnju do pune funkcionalnosti		Supply, delivery and installation of corrugated PE sewage pipes OD / ID 800/688 mm, SN 8, the performance of the body precipitator. The item includes the creation of shafts with all the elements (plates bottom, pipe connections, channel ...) to full readiness. It includes all needed work and material for installation to full functionality.	kom	1,00	3.500,00	3.500,00	0,00	0,00	1,00	3.500,00	0,00	0,00	1,00	3.500,00
3.4.	3.4. SABIRNI BAZEN ZA OBORINSKU VODU	E.1.3.4	RAINFALL COLLECTION RESERVOIR												
3.4.1.	3.4.1. Betonski radovi za podložni sloj betona debljine 10 cm s betonom tlačne čvrstoće C 16/20. Obračun po m3 ugrađenog materijala uključujući obodnu oplatu.			m3	12,06	1.000,00	12 060,00	0,00	0,00	12,06	12.060,00	0,00	0,00	12,06	12.060,00
3.4.2.	Betoniranje betonom razreda tlačne čvrstoće C30/37. Stavka uključuje proizvodnju, odnosno nabavu i dopremu betona, ugradnju i njegu svježeg betona. Stavka također uključuje svu potrebnu oplatu te materijale i radove vezane uz oplatu. Obračun prema m3 ugrađenog betona.	E.1.3.4.2	Concreting in C30/37 concrete. This item includes production, i.e. supply and transportation of concrete, placement and curing of fresh concrete.This item also includes the appropriate formwork, and all the materials and works related to that. Calculation is conducted per m3 of placed concrete.	m3	88,79	1.400,00	124.306,00	0,00	0,00	88,79	124.306,00	0,00	0,00	88,79	124.306,00
3.4.3.	3.4.3. Nabava, doprema, rezanje, savijanje, prijenos do mjesta ugradnje i ugradnja armature. Stavka uključuje sav potreban materijal i radove. Obračun prema kg ugrađene armature. kg 9.700,00 8,00	E.1.3.4.3	Supply, cutting, bending, transportation and placing of reinforcement. This item includes all the work and material. Calculation is conducted per kg of placed reinforcement.	kg	12.751,00	7,50	95.632,50	0,00	0,00	12.751,00	95.632,50	0,00	0,00	12.751,00	95.632,50
3.4.4.	3.4.4. Nabava, doprema i ugradnja lijevano željeznog kanalskog poklopca dimenzija 60 x 60 cm. Stavka uključuje sav potreban rad i materijal za njegovu ugradnju na	E.1.3.4.4	Supply, delivery and installation of cast iron canal cover of circular shape with a dimension 60x60 cm. It includes all needed works and materials for the installation of the reservoir. Cover class B 125 kN, according to HRN EN-124:2005												

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
				Unit	Quantity	Jedinična Rate	Ukupna Amount	Količina	Sit. 12 (HRK)	Količina	it. 12 sveukupn (HRK)	Količina	Sit.Ok (HRK)	Količina	t. Ok sveukupn (HRK)
1	2			3	4	5	6	17	18	19	20	17	18	19	20
	ODLAGALIŠTE														
1.	**ETAPA 2 - FAZA 1**														
	spremnik Poklopac klase B 125 kN, prema HRN EN-124:2005			kom	3,00	**700,00**	2.100,00	0,00	0,00	3,00	2.100,00	0,00	0,00	3,00	2.100,00
3.5.	**3.5. CJEVOVOD**	**E.1.3.5**	**PIPELINE**												
3.5.1.	3.5.1. Nabava, doprema i ugradnja rebrastih PE cijevi za odvodnju čistih oborinskih voda do upojnog bunara Stavka uključuje sav potreban rad i materijal za njihovu ugradnju.		Supply, delivery and installation of smooth PE pipes for drainage clean rainwater to drainage well. It includes all needed works and materials for their installation. Calculation per m 'of embedded pipes.												
	a) PE OD/ID 315/277 mm - 21,7 m'		a) PE OD/ID 315/277 mm	ml	18,00	**100,00**	1.800,00	0,00	0,00	17,50	1.750,00	0,00	0,00	17,50	1.750,00
3.	**3. REVIZIJSKO OKNO**	**E.1.3.6**	**REVISION SHAFT**												
	Nabava, doprema i ugradnja rebrastih PEHD kanalizacijskih cijevi OD/ID 1000/851 mm, SN 8, za izvedbu tijela revizijskih okana. Stavka uključuje izradu okana sa svim elementima (ploča dna, priključci cijevi, kineta...) do pune gotovosti, uključujući izvedbu penjalica od PE pločevine debljine min 2 cm, širine 45 cm i leđobrana. Stavka uključuje sav potreban rad i materijal za ugradnju do pune funkcionalnosti.		Supply, delivery and installation of corrugated HDPE sewer pipes OD / ID 1000/851 mm, SN 8, for the performance of the body of inspection shafts. The item includes the preparation of shafts with all the elements (plates bottom, pipe connections, channel ...) to full readiness, including the performance of climbers from PE sheet thickness min 2 cm, width 45 cm back protection and performance. It includes all needed works and materials for installation to full functionality. a) Revision shaft												
	a) revizijska okna - 1 kom			kom	1,00	**5.000,00**	5.000,00	0,00	0,00	1,00	5.000,00	0,00	0,00	1,00	5.000,00
3.	**3. UPOJNI BUNAR**	**E.1.3.7**	**FILTRATION WELL**												
	Nabava, doprema i ugradnja rebraste PEHD kanalizacijske cijevi OD/ID 1000/851 mm, SN 8, za izvedbu upojnog bunara uključujući izvedbu penjalica od PE pločevine debljine min 2 cm, širine 45 cm, izvedbu leđobrana i perforacija na dijelu bunara koji se nalazi ispod ulazne kote dovodnog cjevovoda. Stavka uključuje sav potreban rad i materijal za ugradnju do pune funkcionalnosti.		Supply, delivery and installation of corrugated HDPE sewer pipes OD / ID 1000/851 mm, SN 8, for the performance of absorption well, including the performance of climbers from PE sheet thickness min 2 cm, width 45 cm, back protection and performance of the perforation of the well which is located below level of inlet pipe. It includes all needed works and materials for installation to full functionality. a) Infiltration well - 1 piece												
	a) upojni bunar - 1 kom			kom	1,00	**6.500,00**	6.500,00	0,00	0,00	1,00	6.500,00	0,00	0,00	1,00	6.500,00

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
						Jedinična	Ukupna	Količina	Sit. 12 (HRK)	Količina	it. 12 sveukup (HRK)	Količina	Sit.Ok (HRK)	Količina	t. Ok sveukup (HRK)
				Unit	Quantity	Rate	Amount								
1	2			3	4	5	6	17	18	19	20	17	18	19	20
	ODLAGALIŠTE														
1.	**ETAPA 2 - FAZA 1**														
3.	**3. SUSTAV ODVODNJE ČISTIH OBORINSKIH VODA UKUPNO:**	**E.1.3**	**Rainfall collection system TOTAL**				**584.748,50**		**0,00**		**583.978,50**		**0,00**		**583.978,50**
A.	**ISKOP ODLAGALIŠNOG BAZENA POLJA I, II, III i IV, IZVOĐENJE SUSTAVA CISTE OBORINSKE VODE I MAKADAMSKE CESTE UKUPNO (1 + 2 + 3)**	**E.1**	**Excavation of landfill basins for landfill cells I, II, III and IV and construction of the clean stormwater drainage system and macadam roads TOTAL**				**2.027.410,80**		**0,00**		**2.015.996,10**		**0,00**		**2.015.996,10**
B.	**TEMELJNI BRTVENI SUSTAV**	**E.2**	**Bottom sealing layer**												
1.	**1. ZEMLJANI RADOVI**	**E.2.1**	**Earthworks**												
1.1.	1.1. Nabava, doprema i izrada sloja za izravnavanje od glinenog zemljanog materijala u debljini d=15 cm a nakon izvršenih iskopa i nasipa odnosno formiranja prostora (kade) za odlaganje otpada. Stavka uključuje utovar, transport, ugradnju i zbijanje podloge do potrebne zbijenosti (>40 MN/m2). Stavka uključuje kontrolna ispitivanja sukladno Programu kontrole i osiguranja kvalitete. Obračun se obavlja po m3 ugrađenog materijala. m3	**E.2.1.1**	The construction of the layer for levelling made of clay in the thickness of d=15 cm, and after realized excavation and embankment, namely after forming the area (bath) for disposing waste. The works have to be realized according to the design. The item includes loading, transport, spreading and compaction of the base to the necessary compaction level (≥40 MN/m2). The item includes all the necessary testing specified in the chapter Quality control and quality assurance programme. The calculation is conducted per m3 of embedded replacement layer.	m3	4.782,24	**45,00**	215.200,80	0,00	0,00	4.782,24	215.200,80	0,00	0,00	4.782,24	215.200,80
	Ugradnja jalovine tamo nema gline														
1.2.	1.2. Izvedba drenažnog sloja iz šljunčanog materijala pri temeljnom brtvljenju u debljini od d=51 cm. Drenažni sloj izvodi se od šljunka granulacije 16/32 mm. Stavka uključuje nabavu, dopremu, postavljanje i kontrolna ispitivanja drenažnog sloja, i sve potrebne radove prema projektu. Obračun se provodi po m3 ugrađenog materijala. m3	**E.2.1.1**	Construction of the drainage layer in stone aggregate in the lower liner of thickness d=51 cm. The draining layer is made of aggregate, granulation 16/32 mm. The item includes supply, delivery, placement and testing of the draining layer, and all the works have to be realized according to the design. Calculation is conducted per m3 of placed material.	m3	16.083,88	**85,00**	1.367.129,80	0,00	0,00	16.083,88	1.367.129,80	0,00	0,00	16.083,88	1.367.129,80
1.	**1. ZEMLJANI RADOVI UKUPNO:**	**E.2.1**	**Earthworks TOTAL**				**1.582.330,60**		**0,00**		**1.582.330,60**		**0,00**		**1.582.330,60**
2.	**GEOSINTETSKI MATERIJALI**	**E.2.2**	**Geosynthetic works**												
2.1.	Nabava, dobava i ugradnja glatke PEHD geomembrane, debljine 2.0 mm kao zaštite od plavljenja sidrenog kanala. Geomembrana može biti ugrađena tek po ispitivanju kvalitete i nakon što je odobrena od strane nadzornog inženjera. Stavka uključuje sve potrebne preklope i krojni otpad. Obračun se vrši po m2 ugrađene geomembrane.	**E.2.2.1**	Supply, delivery and placement of smooth PEHD geomembrane, thickness of d=2.0 mm as a protection from flooding of anchor trench. Geomembrane can be placed only after testing proves its quality and it is approved by the supervising engineer. Calculation is conducted per m2 of lined surface and it includes all the losses occurred due to overlap, cutting and anchoring.	m2	540,00	**42,00**	22.680,00	0,00	0,00	540,00	22.680,00	0,00	0,00	540,00	22.680,00
	TEMELJNI BRTVENI SUSTAV		**BOTTOM SEALING LAYER**												

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
				Unit	Quantity	Jedinična Rate	Ukupna Amount	Količina	Sit. 12 (HRK)	Količina	it. 12 sveukupi (HRK)	Količina	Sit.Ok (HRK)	Količina	t. Ok sveukupi (HRK)
1	2			3	4	5	6	17	18	19	20	17	18	19	20
	ODLAGALIŠTE														
1.	**ETAPA 2 - FAZA 1**														
2.2.	2.2. Nabava, doprema i ugradnja geosintetskog glinenog tepiha (GCL-a) u donji brtveni sloj odlagališta a nakon izrade sloja gline za izravnavanje. Karakteristike, ispitivanja i način ugradnje geosintetskog glinenog tepiha (GCL-a) u donji brtveni sloj potrebno je izvoditi na način opisanom u projektu te uputama proizvođača. GCL se smije ugrađivati tek nakon što se ispitivanjem dokaže njegova kvaliteta i uz odobrenje nadzornog inženjera. Obračun se vrši po m2 obložene površine a uključeni su svi gubici nastali usljed preklopa,krojenja i sidrenja Stavkom su obuhvaćena i sva potrebna ispitivanja navedena u poglavlju Program kontrole i osiguranja kvalitete.	**E.2.2.2**	Supply, delivery and placement of geosynthetic clay liner (GCL) in the bottom sealing layer of the disposal site. Characteristics, testing and manner of placing the geosynthetic clay liner (GCL) in the bottom liner have to be realized in the manner described in the design and according to the instructions of the producer. GCL can be placed only after testing proves its quality and it is approved by the supervising engineer. Calculation is conducted per m2 of lined surfaces, and it includes all the losses occurred due to overlap, cutting and anchoring. The item also includes all the necessary testing specified in the chapter Quality control and insurance programme.	m2	35.574,23	**34,00**	1.209.523,82	0,00	0,00	35.574,23	1.209.523,82	0,00	0,00	35.574,23	1.209.523,82
2.3.	2.3. Nabava, doprema i ugradnja obostrano hrapave PEHD geomembrane debljine d=2,5 mm u donji brtveni sloj odlagališta a nakon postave GCL-a. Karakteristike, ispitivanja i način ugradnje obostrano hrapave PEHD geomembrane u donji brtveni sloj potrebno je izvoditi na način opisanom u projektu te uputama proizvođača. Geomembrana se smije ugrađivati tek nakon što se	**E.2.2.3**	Supply, delivery and placement of the PEHD geomembrane rough on both sides for the slopes and smooth for the bottom of landfill cells, thickness of d=2.5 mm in the lower liner of the disposal site and after the placement of GCL. Characteristics, testing and manner of placing the PEHD geomembrane rough on both sides into the lower liner has to be realized in the manner described in the design and according to the instructions of the producer. Geomembrane can be placed only after testing proves its quality and it is approved by the supervising engineer. Calculation is conducted per m2 of lined surface and it includes all the losses occurred due to overlap, cutting and anchoring. The item also includes all the necessary testing specified in the chapter Quality control and insurance programme.												

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
				Unit	Quantity	Jedinična Rate	Ukupna Amount	Količina	Sit. 12 (HRK)	Količina	it. 12 sveukupa (HRK)	Količina	Sit.Ok (HRK)	Količina	t. Ok sveukupn (HRK)
1	2			3	4	5	6	17	18	19	20	17	18	19	20
	ODLAGALIŠTE														
1.	**ETAPA 2 - FAZA 1**														
	ispitivanjem dokaže njegova kvaliteta i uz odobrenje nadzornog inženjera. Obračun se vrši po m2 obložene površine a uključeni su svi gubici nastali usljed preklopa,krojenja i sidrenja.			m2	35.574,23	**52,00**	1.849.859,96	0,00	0,00	35.574,23	1.849.859,96	0,00	0,00	35.574,23	1.849.859,96
2.4.	2.4. Nabava, doprema i ugradnja zaštitnog geotekstila, 1000 g/m2 i postavljanje u temeljni brtveni sloj odlagališnih ploha, nakon postavljanja HDPE geomembrane. Karakteristike, ispitivanja i način postavljanja zaštitnog geotekstila u temeljni sloj moraju se provesti na način kako je opisano u projektu i prema napucima proizvođača. Zaštitni geotekstil može biti postavljen nakon što ispitivanja potvrde kvalitetu materijala i nakon što je odobren od nadzornog inženjera. Obračun se provodi po m2 površine i uključuje sve gubitke od preklopa, rezanja i sidrenja Stavka također uključuje sva potrebna istraživanja koja su specificirana u Programu kontrole i osiguranja kvalitete.	**E.2.2.4**	Supply, delivery and placement of the protective geotextile of 1000 g/m2 weight in the bottom liner of the disposal site, after the placement of the PEHD geomembrane. Characteristics, testing and manner of placing the protective geotextile into the lower liner have to be realized in the manner described in the design and according to the instructions of the producer. Protective geotextile can be placed only after testing proves its quality and it is approved by the supervising engineer. Calculation is conducted per m2 of lined surface and it includes all the losses occurred due to overlap, cutting and anchoring. The item also includes all the necessary testing specified in the chapter Quality control and insurance programme	m2	35.574,23	**24,50**	871.568,64	0,00	0,00	35.574,23	871.568,64	0,00	0,00	35.574,23	871.568,64
2.5.	2.5. Nabava, doprema i ugradnja geomreže, 30/30 kN/m u površinski brtveni sloj odlagališne plohe, na drenažni sloj. Karakteristike, ispitivanja i način postavljanja geomreže u međubrtveni sloj trebaju se obaviti kako je opisano u projektu i prema uputama proizvođača Geomreža se	**E.2.2.5**	Supply, delivery and placement of geogrid, 30/30 kN/m in the bottom liner of the disposal site, after the placement of the drainage layer. Characteristics, testing and manner of placing the protective geotextile into the lower liner have to be realized in the manner described in the design and according to the instructions of the producer. Protective geotextile can be placed only after testing proves its quality and it is approved by the supervising engineer. Calculation is conducted per m2 of lined surface and it includes all the losses occurred due to overlap, cutting and anchoring. The item also includes all the necessary testing specified in the chapter Quality control and insurance programme.												

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
								Količina	Sit. 12 (HRK)	Količina	it. 12 sveukupn (HRK)	Količina	Sit.Ok (HRK)	Količina	t. Ok sveukupn (HRK)
				Unit	Quantity	Jedinična Rate	Ukupna Amount								
1	2			3	4	5	6	17	18	19	20	17	18	19	20
	ODLAGALIŠTE														
1.	**ETAPA 2 - FAZA 1**														
	može postaviti samo nakon što ispitivanja potvrde traženu kvalitetu i nakon što je odobren od nadzornog inženjera. Obračun po m2 površine i uključeni su svi gubici od preklapanja i rezanja. Stavka također uključuje sva potrebna ispitivanja opisana u pojedinom Programu kontrole i osiguranja kvalitete.			m2		12,00	426.890,76	0,00	0,00		426.890,76	0,00	0,00	35.574,23	426.890,76
2.	**GEOSINTETSKI MATERIJALI UKUPNO:**	**E.2.2**	**Geosynthetic works TOTAL**				**4.380.523,18**		**0,00**		**4.380.523,18**		**0,00**		**4.380.523,18**
B.	**TEMELJNO BRTVLJENJE UKUPNO**	**E.2**	**Bottom sealing layer TOTAL**				**5.962.853,78**		**0,00**		**5.962.853,78**		**0,00**		**5.962.853,78**
C.	**IZVEDBA SUSTAVA ZA PRIKUPLJANJE PROCJEDNIH VODA**	**E.3**	**Leachate collection system**												
1.	**SABINI BAZEN ZA PROCJEDNU VODU**	**E.3.1**	**Leachate collection reservoir**												
1.1.	Betonski radovi za podložni sloj betona debljine 10 cm s betonom tlačne čvrstoće C 16/20. Obračun po m3 ugrađenog materijala uključujući obodnu oplatu. PEHD revizijska okna (RO) i sabirni bazen za procjedne vode.	**E.3.1.1**	Concrete-work of the foundation layer 10 cm thickness, with concrete C16/20. Calculation by m3 of the embedded material including the rim formwork.	m3	6,83	**800,00**	5.464,00	0,00	0,00	6,83	5.464,00	0,00	0,00	6,83	5.464,00
1.2.	Betoniranje betonom razreda tlačne čvrstoće C35/45. Stavka uključuje proizvodnju, odnosno nabavu i dopremu betona, ugradnju i njegu svježeg betona. Stavka također uključuje svu potrebnu oplatu te materijale i radove vezane uz oplatu. Obračun prema m3 ugrađenog betona.	**E.3.1.2**	Concreting in C35/45 concrete. This item includes production, i.e. supply and transportation of concrete, placement and curing of fresh concrete.This item also includes the appropriate formwork, and all the materials and works related to that. Calculation is conducted per m3 of placed concrete.												
	a) Sabirni bazen za procjednu vodu		a) LEACHATE COLLECTION RESERVOIR	m3	34,53	**1.500,00**	51.795,00	0,00	0,00	34,53	51.795,00	0,00	0,00	34,53	51.795,00
1.3.	Nabava, doprema, rezanje, savijanje, prijenos do mjesta ugradnje i ugradnja armature. Stavka uključuje sav potreban materijal i radove. Obračun prema kg ugrađene armature. a) Sabirni bazen za procjednu vodu	**E.3.1.3**	Supply, cutting, bending, transportation and placing of reinforcement. This item includes all the work and material. Calculation is conducted per kg of placed reinforcement.	kg	5.457,50	**7,50**	40.931,25	0,00	0,00	5.457,50	40.931,25	0,00	0,00	5.457,50	40.931,25
			a) LEACHATE COLLECTION RESERVOIR												
1.4.	Nabava, doprema i ugradnja lijevano željeznog kanalskog poklopca dimenzija 150 x 120 cm. Stavka uključuje sav potreban rad i materijal za njegovu ugradnju na spremnik.	**E.3.1.4**	Supply, delivery and installation of cast iron canal cover of circular shape with a dimension 150x120 cm. It includes all needed works and materials for the installation of the reservoir.												
	Poklopac klase B 125 kN, prema HRN EN-124:2005		Cover class B 125 kN, according to HRN EN-124:2005	kom	1,00	**4.500,00**	4.500,00	0,00	0,00	1,00	4.500,00	0,00	0,00	1,00	4.500,00
1.	**SABINI BAZEN ZA PROCJEDNU VODU UKUPNO**	**E.3.1**	**Leachate collection reservoir TOTAL**				**102.690,25**		**0,00**		**102.690,25**		**0,00**		**102.690,25**
2.	**CJEVOVOD**	**E.3.2**	**Pipeline**												
2.1.	Nabava, doprema i ugradnja PEHD cijevi OD 315 mm (SDR 11), 2/3 perforirane za skupljanje i odvodnju procjednih voda. Stavka uključuje nabavu i ugradnju elektrofuzijskih spojnica za spajanje cijevi.	**E.3.2.1**	Procurement, placement and installation of PEHD pipes OD315mm, SDR11 with perforation on 2/3 of total surface for the collection and drainage of leachate. Item includes procurement and installation of electrofusion sockets for pipe connection.	m1	690,64	**435,00**	300.428,40	0,00	0,00	690,64	300.428,40	0,00	0,00	690,64	300.428,40

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
				Unit	Quantity	Jedinična Rate	Ukupna Amount	Količina	Sit. 12 (HRK)	Količina	it. 12 sveukup. (HRK)	Količina	Sit.Ok (HRK)	Količina	t. Ok sveukupr (HRK)
1	2			3	4	5	6	17	18	19	20	17	18	19	20
	ODLAGALIŠTE														
1.	**ETAPA 2 - FAZA 1**														
2.2.	Nabava, doprema i ugradnja punih PEHD cijevi OD 315 mm (SDR 11) za sakupljanje i odvodnju procjednih voda. Stavka uključuje nabavu i ugradnju elektrofuzijskih spojnica za spajanje cijevi i sve potrebne prirubnice.	E.3.2.2	Procurement, placement and installation of full PEHD pipes OD315mm, SDR11 for the collection and drainage of leachate. Item includes procurement and installation of electrofusion sockets for pipe connection and the necessary flanged pieces.	m1	147,61	**435,00**	64.210,35	0,00	0,00	147,61	64.210,35	0,00	0,00	147,61	64.210,35
2.3.	Nabava i instalacija PEHD revizijskog okna 01600 mm, SN8 s PEHD 0800 mm ulaznim oknom s poklopcem, debljina dna revizijskog okna je 20 mm, s PEHD penjalicama s leđobranom i ventilacijskim otvorima. Stavka uključuje sve potrebne fitinge i dijelove za izvedbu priključaka cjevovoda radi curenja vode, nabavu s skladišta i priključke za cjevovode za odvonju vode prema crpnom oknu.	E.3.2.3	Procurement and installation of the PEHD revision shaft Ø1600 mm, SN8 with PEHD Ø800 mm entry opening and top cover, bottom of the shaft thickness 20.0 mm, with PEHD ladders with safety cage and ventilation openings. Item includes all necessary fittings and parts for constructing the pipe line connections for the seepage water Procurement from the repository and pipe line connections for water drainage toward the pump shaft	kom	2,00	**13.000,00**	26.000,00	0,00	0,00	2,00	26.000,00	0,00	0,00	2,00	26.000,00
2.	**CJEVOVOD UKUPNO**	E.3.2	**Pipeline TOTAL**				**390.638,75**		**0,00**		**390.638,75**		**0,00**		**390.638,75**
C.	**IZVEDBA SUSTAVA ZA PRIKUPLJANJE PROCJEDNIH VODA UKUPNO**	E.3	**Leachate collection system TOTAL**				**493.329,00**		**0,00**		**493.329,00**		**0,00**		**493.329,00**
D.	**ZAVRŠNI BRTVENI SUSTAV**	E.4	**Cover sealing layer**												
1.	**ZEMLJANI RADOVI**	E.4.1	**Earthworks**												
	MEĐUBRTVENI SUSTAV		**MIDDLE SEALING LAYER**												
1.1.	1.1. Izvođenje izravnavajućeg sloja (sloja za polaganje) od zemlje debljine d=25 cm. Radovi se moraju izvesti prema projektu. Stavka uključuje utovar, prijevoz, razastiranje i nabijanje podloge do potrebne razine stišljivosti. Stavka uključuje sva potreba ispitivanja navedena u poglavlju Programa kontrole i osiguranja kvalitete. Obračun prema m3 razvijene površine.	E.4.1.1	The construction of the layer for levelling (lining layer) made of soil in the thickness of d=25 cm. The works have to be realized according to the design. The item includes loading, transport, spreading and compaction of the base to the necessary compaction level. The item includes all the necessary testing specified in the chapter Quality control and quality assurance programme. The calculation is conducted per m3 of developed area.	m3	0,00	**20,00**	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
	ZAVRŠNI BRTVENI SUSTAV		**COVER SEALING LAYER**												

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
						Jedinična		Količina	Sit. 12	Količina	it. 12 sveukupn	Količina	Sit.Ok	Količina	t. Ok sveukupn
				Unit	Quantity	Rate	Amount		(HRK)		(HRK)		(HRK)		(HRK)
1	2			3	4	5	6	17	18	19	20	17	18	19	20
	ODLAGALIŠTE														
1.	**ETAPA 2 - FAZA 1**														
1.2.	1.2. Izvođenje izravnavajućeg sloja (sloja za polaganje) od zemlje debljine d=25 cm. Radovi se moraju izvesti prema projektu. Stavka uključuje utovar, prijevoz, razastiranje i nabijanje podloge do potrebne razine stišljivosti. Stavka uključuje sva potreba ispitivanja navedena u poglavlju Programa kontrole i osiguranja kvalitete. Obračun prema m3 razvijene površine.	**E.4.1.2**	The construction of the layer for levelling (lining layer) made of soil in the thickness of d=25 cm. The works have to be realized according to the design. The item includes loading, transport, spreading and compaction of the base to the necessary compaction level. The item includes all the necessary testing specified in the chapter Quality control and quality assurance programme. The calculation is conducted per m3 of developed area.	m3	6.083,61	**20,00**	121.672,20	0,00	0,00	6.083,61	121.672,20	0,00	0,00	6.083,61	121.672,20
1.3.	1.3. Nabava, doprema i ugradnja rekultivirajućeg sloja zemlje. Debljina sloja je 0,81 m. Svojstva, ispitivanja i način ugradnje rekultivirajućeg sloja u površinsko brtvljenje mora biti na način opisan u projektu i prema uputama proizvođača. Rekultivirajući sloj se može ugraditi tek nakon što ispitivanja dokažu njegovu kvalitetu i nakon što ga odobri nadzorni inženjer. Obračun prema m3 obložene površine. Stavka također uključuje sva potreba ispitivanja navedena u poglavlju Programa kontrole i osiguranja kvalitete.	**E.4.1.3**	Supply, delivery and placement of recultivation layer made of soil. Thickness of layer is 0,81 m. Characteristics, testing and manner of placing reciltivation layer into the cover sealing layer have to be realized in the manner described in the design and according to the instructions of the producer. Recultivation layer can be placed only after testing proves its quality and it is approved by the supervising engineer. Calculation is conducted per m3 of lined surface. The item also includes all the necessary testing specified in the chapter Quality control and insurance programme.	m3	24.577,76	**32,00**	786.488,32	0,00	0,00	24.577,76	786.488,32	0,00	0,00	24.577,76	786.488,32

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
				Unit	Quantity	Jedinična Rate	Ukupna Amount	Količina	Sit. 12 (HRK)	Količina	it. 12 sveukupn (HRK)	Količina	Sit.Ok (HRK)	Količina	t. Ok sveukupn (HRK)
1	2			3	4	5	6	17	18	19	20	17	18	19	20
	ODLAGALIŠTE														
1.	**ETAPA 2 - FAZA 1**														
1.4.	1.4. Nabava, doprema i ugradnja sloja humusa. Debljina sloja je 0,20 m. Svojstva, ispitivanja i način ugradnje humusa u površinsko brtvljenje mora biti na način opisan u projektu i prema uputama proizvođača. Rekultivirajući sloj se može ugraditi tek nakon što ispitivanja dokažu njegovu kvalitetu i nakon što ga odobri nadzorni inženjer. Obračun prema m3 obložene površine. Stavka također uključuje sva potreba ispitivanja navedena u poglavlju Programa kontrole i osiguranja kvalitete.	**E.4.1.1.4**	Supply, delivery and placement of humus layer. Thickness of layer is 0,20 m. Characteristics, testing and manner of placing humus into the cover sealing layer have to be realized in the manner described in the design and according to the instructions of the producer. Recultivation layer can be placed only after testing proves its quality and it is approved by the supervising engineer. Calculation is conducted per m2 of lined surface. The item also includes all the necessary testing specified in the chapter Quality control and insurance programme.	m2	0,00	**20,00**	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
1.	**ZEMLJANI RADOVI UKUPNO:**	**E.4.1**	**Earthworks TOTAL**				**908.160,52**		**0,00**		**908.160,52**		**0,00**		**908.160,52**
2.	**GEOSINTETSKI RADOVI**	**E.4.2**	**Geosynthetic works**												
	MEĐUBRTVENISUSTAV		**INTERSEALING**												
2.1.	2.1. Nabava, doprema i ugradnja geotekstila 400 g/m2 u međubrtvene slojeve na odlagališnoj plohi, prije i poslije postavljanja HDPE folije stoga se količina računa duplo. Karakteristike, ispitivanja i način postavljanja geotekstila u međubrtveni sloj trebaju se obaviti kako je opisano u projektu i prema uputama proizvođača. Geotekstil se može postaviti samo nakon što ispitivanja potvrde traženu kvalitetu i nakon što je odobren od nadzornog inženjera. Obračun po m2 površine i uključeni su svi gubici od preklapanja i rezanja. Stavka također uključuje sva	**E.4.2.1**	Supply, delivery and placement of the geotextile of 400 g/m2 weight in the middle sealing layer of the disposal site, before and after the placement of the HDPE geomembrane so the quantity is calculated twice. Characteristics, testing and manner of placing the geotextile into the middle sealing layer have to be realised in the manner described in the design and according to the instructions of the producer. Geotextile can be placed only after testing proves its quality and it is approved by the supervising engineer. Calculation is conducted per m2 of lined surface and it includes all the losses occurred due to overlap and cutting. The item also includes all the necessary testing specified in the chapter Quality control and insurance programme.												

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
						Jedinična	Ukupna	Količina	Sit. 12 (HRK)	Količina	it. 12 sveukupn (HRK)	Količina	Sit.Ok (HRK)	Količina	t. Ok sveukupn (HRK)
1	2			3	4	5	6	17	18	19	20	17	18	19	20
	ODLAGALIŠTE														
1.	**ETAPA 2 - FAZA 1**														
	potrebna ispitivanja opisana u poglavlju Program kontrole i osiguranja kvalitete.			m2	0,00	**9,50**	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
2.2.	2.2. Nabava, doprema i ugradnja HDPE folije, obostrano hrapave u međubrtvene slojeve na odlagališnoj plohi, debljine d=1,5 mm nakon postavljanja geotekstila. Karakteristike, ispitivanja i način postavljanja HDPE folije u međubrtveni sloj trebaju se obaviti kako je opisano u projektu i prema uputama proizvođača. HDPE folija se može postaviti samo nakon što ispitivanja potvrde traženu kvalitetu i nakon što je odobren od nadzornog inženjera. Obračun po m2 površine i uključeni su svi gubici od preklapanja i rezanja. Stavka također uključuje sva potrebna ispitivanja opisana u poglavlju Program kontrole i osiguranja kvalitete.	**E.4.2.2**	Supply, delivery and placement of the HDPE geomembrane rough on both sides for the slopes and smooth for the bottom of landfill cells, thickness of d=1.5 mm in the middle sealing layer of the disposal site and after the placement of geotextile. Characteristics, testing and manner of placing the PEHD geomembrane rough on both sides into the middle layer has to be realized in the manner described in the design and according to the instructions of the producer. Geomembrane can be placed only after testing proves its quality and it is approved by the supervising engineer. Calculation is conducted per m2 of lined surface and it includes all the losses occurred due to overlap and cutting. The item also includes all the necessary testing specified in the chapter Quality control and insurance programme.	m2	0,00	**40,00**	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
	ZAVRŠNI BRTVENI SUSTAV		**COVER SEALING LAYER**												
2.3.	2.3. Nabava, doprema i ugradnja geosintetičkog kompozita za otplinjavanje u površinski brtveni sloj na odlagališnoj plohi, prije postavljanja geomreže. Karakteristike,	**E.4.2.3**	Supply, delivery and placement of the geosynthetic de-gassing composite in the cover sealing layer of the disposal site, before the placement of the geogrid. Characteristics, testing and manner of placing the composite into the cover sealing layer have to be realized in the manner described in the design and according to the instructions of the producer. Composite can be placed only after testing proves its quality and it is approved by the supervising engineer. Calculation is conducted per m2 of lined surface and it includes all the losses occurred due to overlap and cutting. The item also includes all the necessary testing specified in the chapter Quality control and insurance programme.												

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
				Unit	Quantity	Jedinična Rate	Ukupna Amount	Količina	Sit. 12 (HRK)	Količina	it. 12 sveukupa (HRK)	Količina	Sit.Ok (HRK)	Količina	t. Ok sveukupn (HRK)
1	2			3	4	5	6	17	18	19	20	17	18	19	20
	ODLAGALIŠTE														
1.	**ETAPA 2 - FAZA 1**														
	ispitivanja i način postavljanja geokompozita u površinski sloj trebaju se obaviti kako je opisano u projektu i prema uputama proizvođača. Geokompozit se može postaviti samo nakon što ispitivanja potvrde traženu kvalitetu i nakon što je odobren od nadzornog inženjera. Obračun po m2 površine i uključeni su svi gubici od preklapanja i rezanja. Stavka također uključuje sva potrebna ispitivanja opisana u poglavlju Program kontrole i osiguranja kvalitete.			m2	24.334,42	**26,00**	632.694,92	0,00	0,00	24.334,42	632.694,92	0,00	0,00	24.334,42	632.694,92
2.4.	2.4. Nabava, doprema i ugradnja bentonitnog tepiha (GCL) u površinski brtveni sloj na odlagališnoj plohi. Karakteristike, ispitivanja i način postavljanja bentonita u površinski sloj trebaju se obaviti kako je opisano u projektu i prema uputama proizvođača. Bentonitni tepih se može postaviti samo nakon što ispitivanja potvrde traženu kvalitetu i nakon što je odobren od nadzornog inženjera. Obračun po m2 površine i uključeni su svi gubici od preklapanja i rezanja. Stavka također uključuje sva potrebna ispitivanja opisana u poglavlju Program kontrole i osiguranja kvalitete.	**E.4.2.4**	Supply, delivery and placement of geosynthetic clay liner (GCL) in the cover sealing layer of the disposal site. Characteristics, testing and manner of placing the geosynthetic clay liner (GCL) in the cover liner have to be realized in the manner described in the design and according to the instructions of the producer. GCL can be placed only after testing proves its quality and it is approved by the supervising engineer. Calculation is conducted per m2 of lined surfaces, and it includes all the losses occurred due to overlap, cutting and anchoring. The item also includes all the necessary testing specified in the chapter Quality control and insurance programme.	m2	24.334,42	**34,00**	827.370,28	0,00	0,00	24.334,42	827.370,28	0,00	0,00	24.334,42	827.370,28
2.5.	2.5. Nabava, doprema i ugradnja geosintetičkog kompozita za odvodnju oborinskih voda u površinski brtveni sloj na odlagališnoj plohi, prije postavljanja geomreže.	**E.4.2.5**	Supply, delivery and placement of the geosynthetic drainage composite in the cover sealing layer of the disposal site, before the placement of the geogrid. Characteristics, testing and manner of placing the composite into the cover sealing layer have to be realised in the manner described in the design and according to the instructions of the producer. Composite can be placed only after testing proves its quality and it is approved by the supervising engineer. Calculation is conducted per m2 of lined surface and it includes all the losses occurred due to overlap and cutting. The item also includes all the necessary testing specified in the chapter Quality control and insurance programme.												

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
						Jedinična	Ukupna	Količina	Sit. 12 (HRK)	Količina	it. 12 sveukupn (HRK)	Količina	Sit.Ok (HRK)	Količina	t. Ok sveukupn (HRK)
1	2			3	4	5	6	17	18	19	20	17	18	19	20
	ODLAGALIŠTE														
1.	**ETAPA 2 - FAZA 1**														
	Karakteristike, ispitivanja i način postavljanja geokompozita u površinski sloj trebaju se obaviti kako je opisano u projektu i prema uputama proizvođača. Geokompozit se može postaviti samo nakon što ispitivanja potvrde traženu kvalitetu i nakon što je odobren od nadzornog inženjera. Obračun po m2 površine i uključeni su svi gubici od preklapanja i rezanja. Stavka također uključuje sva potrebna ispitivanja opisana u poglavlju Program kontrole i osiguranja kvalitete.			m2	24.334,42	**26,00**	632.694,92	0,00	0,00	24.334,42	632.694,92	0,00	0,00	24.334,42	632.694,92
2.6.	2.6. Nabava, doprema i ugradnja geomreže, 30/30 kN/m u površinski brtveni sloj odlagališne plohe, na zaštitni geotekstil. Karakteristike, ispitivanja i način postavljanja geomreže u međubrtveni sloj trebaju se obaviti kako je opisano u projektu i prema uputama proizvođača. Geomreža se može postaviti samo nakon što ispitivanja potvrde traženu kvalitetu i nakon što je odobren od nadzornog inženjera. Obračun po m2 površine i uključeni su svi gubici od preklapanja i rezanja. Stavka također uključuje sva potrebna ispitivanja opisana u poglavlju Program kontrole i osiguranja kvalitete.	**E.4.2.6.**	Supply, delivery and placement of geogrid, 30/30 kN/m in the cover sealing layer of the disposal site, placed on protective geotextile. Characteristics, testing and manner of placing the geogrid into the cover sealing layer have to be realized in the manner described in the design and according to the instructions of the producer. Geogrid can be placed only after testing proves its quality and it is approved by the supervising engineer. Calculation is conducted per m2 of lined surface and it includes all the losses occurred due to overlap and cutting. The item also includes all the necessary testing specified in the chapter Quality control and insurance programme.	m2	24.334,42	**12,00**	292.013,04	0,00	0,00	24.334,42	292.013,04	0,00	0,00	24.334,42	292.013,04
2.	**2. GEOSINTETSKI RADOVI UKUPNO:**	**E.4.2**	**Geosynthetic works TOTAL**				**2.384.773,16**		**0,00**		**2.384.773,16**		**0,00**		**2.384.773,16**
3.	**3. PLINSKI ZDENCI**	**E.4.3**	**Gas wells**												
3.1.	3.1. Izvedba plinskih bunara za pasivno otplinjavane,promjera 100 cm. Sav potreban materijal, rad i mehanizacija uključeni su u cijenu.Plinski bunar je perforirana cijev promjera 160 mm (PEHD DN 160), obložena kamenim agregatom (32/64 mm),u oblozi od žičanog pletera,sa biofilterom promjera 300 cm.Način izvedbe prema Općim tehničkim uvjetima i nacrtima. Obračun po komadu.		Execution of gas wells for passive-gassed, diameter 100 cm. All necessary materials, labor and machinery are included in price. Gas well is perforated tube diameter 160 mm (DN 160 HDPE), coated stone aggregate (32/64 mm), in packs of wire braiding, with biofilters diameter 300 cm. Performance according to General technical requirements and designs. Calculation per piece.	kom	12,00	**3.600,00**	43.200,00	0,00	0,00	12,00	43.200,00	0,00	0,00	12,00	43.200,00
3.	**PLINSKI ZDENCI UKUPNO**	**E.4.3**	**Gas wells TOTAL**				**43.200,00**		**0,00**		**43.200,00**		**0,00**		**43.200,00**

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
						Jedinična	Ukupna	Količina	Sit. 12 (HRK)	Količina	it. 12 sveukupa (HRK)	Količina	Sit.Ok (HRK)	Količina	t. Ok sveukupn (HRK)
				Unit	Quantity	Rate	Amount								
1	2			3	4	5	6	17	18	19	20	17	18	19	20
	ODLAGALIŠTE														
1.	**ETAPA 2 - FAZA 1**														
D.	**ZAVRŠNI BRTVENI SUSTAV UKUPNO**	E.4	**Cover sealing layer TOTAL**				3.336.133,68		0,00		3.336.133,68		0,00		3.336.133,68
E.	**IZVEDBA SUSTAVA ČISTIH OBORINSKIH VODA PO TIJELU ODLAGALIŠTA**	E.5	**System for collecting clean stormwater from the body of a disposal cell**												
1.	1. Izrada trapeznog kanala po tijelu odlagališta. Kanal je trapeznog oblika, u donjem dijelu je širine20 cm, a u gornjem 60 cm i visine 20 cm sa nagibom pokosa 1:1. Kanal izvesti točno prema projektu naznačenim kotama.Stavka uključuje formiranje oblika kanala u već izvedenom nasipu, razastiranje i izravnavanje te zbijanje do potrebne zbijenosti . Obračun se vrši po m formiranog kanala.	E.5.1	Construction of the trapezoidal perimeter channel. The channel is of trapezoidal shape, of 60 cm width in the lower part, and 160 cm width in the upper part and of 50 cm height with the slope inclination 1:1. The channel has to be realized exactly according to dimensions specified in the design. The item includes forming the channel shape in already realized embankment, spreading and levelling and compaction to the necessary compaction level (>40 MN/m2) or by excavation in the cutting Calculation is conducted per m of formed channel.	m1	0,00	10,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
2.	2. Betoniranje trapeznog kanala betonom debljine d=12,0 cm i tlačne čvrstoće C 25/30. Beton armirati sa mrežastom armaturom Q-131. Stavkom je obuhvaćeno dobava (spravljanje) betona, ugradnja i njegovanje betona te postavljanje armaturne mreže i oplate. Stavkom su obuhvaćena i sva potrebna ispitivanja navedena u poglavlju Program kontrole i osiguranja kvalitete Obračun se vrši po m3 ugrađenog betona.	E.5.2	Concreting lateral sides of the canal, after forming the canal shape, in concrete of d=12.0 cm thickness and of compressive strength C 25/30. The item includes supply (batching) of concrete, placement and concrete curing and placement of fabric reinforcement and formwork. Calculation is conducted per m3 of embedded concrete.	m3	0,00	1.100,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
E.	**IZVEDBA SUSTAVA ČISTIH OBORINSKIH VODA PO TJELU ODLAGALIŠTA UKUPNO**	E.5	**System for collecting clean stormwater from the body of a disposal cell TOTAL**				0,00		0,00		0,00		0,00		0,00
F.	**F. SERVISNA CESTA**	E.6	**Service road**												
	IZVEDBA SERVISNE CESTE		**EXECUTION OF SERVICE ROAD**												
	Za servisni pristup na vrh zatvorenog odlagališa izvodi se servisna cesta, kako je to prikazano u grafičkom dijelu projekta. Poprečni nagib ove ceste je 4 %, a maksimalni		For the purpose of service access on top of the closed landfill, service road is carried out, as shown in the graphic part of the design. Cross inclination of this road is 4%, and the maximum longitudinal inclination is 10%. Road is carried out in levels as follows (top to bottom): • sand 2 cm • stone material 20 cm												

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
						Jedinična	Ukupna	Količina	Sit. 12 (HRK)	Količina	it. 12 sveukupn (HRK)	Količina	Sit.Ok (HRK)	Količina	t. Ok sveukupn (HRK)
				Unit	Quantity	Rate	Amount								
1	2			3	4	5	6	17	18	19	20	17	18	19	20
	ODLAGALIŠTE														
1.	**ETAPA 2 - FAZA 1**														
	uzdužni 10%. Cesta se izvodi u slojevima kako slijedi (odozgo prema dole): • Pijesak 2 cm • Kameni materijal 20cm • Geotekstil (200 g/m2) • Kameni materijal 35cm koji se postavljaju na sloj zemljanog materijala (81 cm) koji se ugrađuje iznad geosintetika u sklopu rekultivirajućeg sloja.		• Geotextile (200 g / m2) • Stone material 35cm These layers are placed on a soil layer (81 cm) that is installed above geosynthetics within recultivating	m2	0,00	40,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
F.	**IZVEDBA SERVISNE CESTE UKUPNO**	E.6	**Service road TOTAL**				0,00		0,00		0,00		0,00		0,00
G.	**G. PREMJEŠTANJE OTPADA**	E.7	**Waste displacement**												
	Široki otkop (odloženog otpada i materijala) Ovaj rad obuhvaća široke otkope već odloženog otpada i materijala na odlagalištu. Iskope vršiti prema projektu, odnosno po zahtjevu nadzornog inženjera, te preslagivati na uređene plohe na način da se postigne nagib vanjskog oboda od 1:2,5, vodeći računa o prostoru koji zauzima završni pokrovni sloj. Pri izvođenju radova treba paziti da ne dođe do oštećenja ravnina iskopa predviđenih projektom. U svim fazama rada na širokom otkopu mora biti osigurana dobra odvodnja. Naročitu pažnju treba posvetiti zaštiti na radu i paziti da ne dođe do prevrtanja strojeva niz pokos.		The item includes: 1. Excavation and removal of existing waste and other materials, 2. Separation of certain types of waste (bulk waste, tires, metals, ...) from existing waste and handing over to the authorized concessionaire, 3 Installation and planning of existing waste on newly-built fields; 4. Remediation and landscaping / planning of cleaned surface. Excavation and moving of the existing waste according to the manner defined in the Work Plan Before excavating waste, make sure to remove the covering material (soil) carefully. The cover material embedded (de-deposited) is over the disposed waste in a thickness of approximately 30 cm and it is necessary to extricate it carefully to prevent its mixing with waste. The excavated inert material can be used as making a leveling layer or as a daily covering. Waste scrap to the constructed disposal cell to dimenstion defined by the project, in order to achieve the final inclination of the final caver layer and the intersealing layer of 1: 2.5. During works on excavation of existing waste, consider the following: - The stability of the existing landfill to avoid the uncontrolled corrosion of existing waste and - There has been a fire on the landfill, which has not been fully extinguished, so it has to be secured with the fire extinguisher on the construction site. During work, special attention should be undertake on all available occupational safety, fire protection and environmental protection measures to avoid accidental situations during the execution of works										

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
				Unit	Quantity	Jedinična Rate	Ukupna Amount	Količina	Sit. 12 (HRK)	Količina	it. 12 sveukupn (HRK)	Količina	Sit.Ok (HRK)	Količina	t. Ok sveukupn (HRK)
1	2			3	4	5	6	17	18	19	20	17	18	19	20
	ODLAGALIŠTE														
1.	**ETAPA 2 - FAZA 1**														
	Stavka kod iskopa obuhvaća: 1. iskop materijala (otpad i ostali materijal) 2. izdvajanje drugih vrsta otpada (glomazni otpad) koji će se predati ovlaštenom koncesinaru Obračun po m3 kompaktiranog otpada i materijala Materijal se obračunava u iskopu a također ponovno i u izvedenom nasipu (ponovno kao potpuno razastrt, obrađen i kompaktiran). Kroz ovu stavku i dvije faze (iskop i nasip) je definirana cjenom i svaka neophodna manipulacija njime, (to jest eventualna premještanja na deponiji marerijala na separaciji a prije ugradnje)		Calculation per m3 of compacted waste embedded in the landfill body according to the project's dimensions. Any additional waste transfer as per working technology will not be specifically calculated	m3	216.300,00	**23,00**	4.974.900,00	0,00	0,00	216.270,64	4.974.224,72	0,00	0,00	216.270,64	4.974.224,72
G.	**PREMJEŠTANJE OTPADA UKUPNO**	E.7	**Waste displacement TOTAL**				**4.974.900,00**		**0,00**		**4.974.224,72**		**0,00**		**4.974.224,72**
			Preparation of waste samples												
			For this purposes of waste samples it is required to pick waste with the adequate excavator from predefined position and depth in coordination with Investor and dispose it to the accessible handling areas (if possible, it can be constructed cell) for the Investor or his representative to be able to take representative waste sample. Number of samples is 6. After sampling the remaining waste from the handling areas must be disposed to the constructed cell.	set	6,00	**2.000,00**	12.000,00	0,00	0,00	6,00	12.000,00	0,00	0,00	6,00	12.000,00
			Preparation of waste samples TOTAL				**12.000,00**		**0,00**		**12.000,00**		**0,00**		**12.000,00**
	ETAPA 2 - FAZA 1 UKUPNO						**16.806.627,26**		**0,00**		**16.794.537,28**		**0,00**		**16.794.537,28**
5.	**GRAĐEVINSKI PROJEKT**	E	**CIVIL WORKS**												
	ODLAGALIŠTE	E	**LANDFILL**												
	REKAPITULACIJA		**TOTAL**			**Ukupna cijena [HRK]**									
V	**GRAĐEVINSKI PROJEKT - ODLAGALIŠTE**	E	**CIVIL WORKS - LANDFILL**			**42**									
1.	**ETAPA 2 - FAZA 1**					**54**									
		E.1	**EXCAVATION OF LANDFILL BASINS FOR LANDFILL CELLS I, II, III AND IV AND CONSTRUCTION OF THE CLEAN STORMWATER DRAINAGE SYSTEM AND MACADAM ROADS.**				**2.027.410,80**		**0,00**		**2.015.996,10**		**0,00**		**2.015.996,10**
		E.2	**BOTTOM SEALING LAYER**				**5.962.853,78**		**0,00**		**5.962.853,78**		**0,00**		**5.962.853,78**
		E.3	**LEACHATE COLLECTION SYSTEM**				**493.329,00**		**0,00**		**493.329,00**		**0,00**		**493.329,00**
		E.4	**COVER SEALING LAYER**				**3.336.133,68**		**0,00**		**3.336.133,68**		**0,00**		**3.336.133,68**
		E.5	**SYSTEM FOR COLLECTING CLEAN STORMWATER FROM THE BODY OF A DISPOSAL CELL**				**0,00**		**0,00**		**0,00**		**0,00**		**0,00**
		E.6	**SERVICE ROAD**				**0,00**		**0,00**		**0,00**		**0,00**		**0,00**
		E.7	**WASTE DISPLACEMENT**				**4.974.900,00**		**0,00**		**4.974.224,72**		**0,00**		**4.974.224,72**

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
				Unit	Quantity	Jedinična Rate	Ukupna Amount	Količina	Sit. 12 (HRK)	Količina	it. 12 sveukupr (HRK)	Količina	Sit.Ok (HRK)	Količina	t. Ok sveukupr (HRK)
1	2			3	4	5	6	17	18	19	20	17	18	19	20
	ODLAGALIŠTE														
1.	ETAPA 2 - FAZA 1														
		E.8	PREPARION OF WASTE SAMPLES				12.000,00		0,00		12.000,00		0,00		12.000,00
	ETAPA 2	E	CIVIL WORKS - LANDFILL SUMMARY			54	16.806.627,26		0,00		16.794.537,28		0,00		16.794.537,28

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
				Unit	Quantity	Jedinična Rate	Ukupna Amount	Količina	Sit. 12 (HRK)	Količina	Sit. 12 sveukupno (HRK)	Količina	Sit.Ok (HRK)	Količina	Sit. Ok sveukupno (HRK)
1	2			3	4	5	6	9	10	11	12	9	10	11	12
	STROJARSKI PROJEKT	**F.**	**MECHANICAL WORKS**												
1.	**1. Nabava, dobava i izgradnja crpne stanice za**	**F.1**	**Procurement, supply and construction of a pumping station for recirculation of leachate**												
	recirkulaciju procjedne vode.														
	Stavka uključuje:		The item includes:												
	Crpke za recirkulaciju procjedne vode kao Grundfos		The pumps for recirculation of leachate as a Grundfos SV.80.125.290.2.58H or equivalent. The body and the impeller are made of stainless steel. The pumps are explosion-proof category 1. Copies of the two pumps, according to the technical solution shown in the designs of the main mechanical design.												
	SV.80.125.290.2.58H ili jednakovrijedne. Tijelo i impeler		Pressure pipe stainless steel (Č1.4301), which includes all the connecting pieces according to the technical solution shown in the designs of the main mechanical design.												
	izvedeni su od nehrđajućeg čelika. Crpke su u		Two check valves and two valves to separate stations, all according to the technical solution shown in the drawings of mechanical design.												
	protueksplozijskoj izvedbi, kategorije 1. Izvode se dvije		Switches levels in explosion-proof, for use in hazardous zone 0 (category 1). Copies of the total 4 level switches.												
	crpke, prema tehničkom rješenju prikazanom u nacrtima		Control electrical cabinet with equipment suitable for the defined zone of danger of explosion (zone 0), with "soft start" running the pumps and transmission signals, according to the technical solution defined in the main electro design												
	glavnog strojarskog projekta.		Steel holder for extraction pumps with winch and ropes, appropriate capacity for the selected pump (1 pc.).												
	Tlačni cjevovod od nehrđajućeg čelika (Č1.4301), što		Paragraph is covered by all the connecting material required for installation of the pump, switch level, the carrier extraction pumps and control electrical cabinets, and all work on the same assembly.												
	uključuje sve spojne komade prema tehničkom rješenju		Testing of electrical installation, pressure testing, functional testing and all other necessary tests in accordance with the applicable regulations.												
	prikazanom u nacrtima glavnog strojarskog projekta.		Technical supervision of facility by Ex Agency and obtaining Ex documents and Ex Manual forming.												
	Dva protupovratna ventila i dva ventila za odvajanje		Release of pumping stations in a test drive with the regulation of labor, training of personnel investors to operate and possibly eliminating the identified deficiencies.												
	crpki, sve prema tehničkom rješenju prikazanom u		Handing over the device and instructions for handling and inventory of spare and wear parts.												
	nacrtima strojarskog projekta.		As built documentation.												
	Sklopke razine u protueksplozijskoj izvedbi, za primjenu u														
	zoni opasnosti 0 (kategorije 1). Izvode se ukupno 4 sklopke razine.														
	Upravljački elektrooormar s opremom prikladnom za definiranu zonu opasnosti od eksplozije (zona 0), sa "soft														

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
				Unit	Quantity	Jedinična Rate	Ukupna Amount	Količina	Sit. 12 (HRK)	Količina	Sit. 12 sveukupno (HRK)	Količina	Sit.Ok (HRK)	Količina	Sit. Ok sveukupno (HRK)
1	2			3	4	5	6	9	10	11	12	9	10	11	12
	STROJARSKI PROJEKT	**F.**	**MECHANICAL WORKS**												
	start" pokretanjem crpki i prijenosom signala, prema tehničkom rješenju definiranom u glavnom elektrotehničkom projektu. Čelični nosač za vađenje crpki s vitlom i čeličnom užadi prikladne nosivosti za odabrane crpke (1 kom.). Stavkom je obuhvaćen sav spojni materijal za potreban za montažu crpki, sklopki razine, nosača za vađenje crpki i upravljačkog elektroormara, te sav rad na montaži istih. Ispitivanje električnih instalacija, tlačne probe, funkcionalne probe i sva ostala potrebna ispitivanja sukladno važećim propisima. Tehničko nadgledanje postrojenja od strane Ex Agencije i ishođenje Ex Dokumenta, te formiranje Ex Priručnika. Puštanje crpne stanice u probni pogon uz regulaciju rada, obuka kadrova investitora za rukovanje te otklanjanje eventualno uočenih nedostataka . Primopredaja uređaja i uputa za rukovanje te popisa rezervnih i potrošnih dijelova. Dokumentacija izvedenog stanja.			komp	1,00	**230.000,00**	230.000,00	0,00	0,00	1,00	230.000,00	0,00	0,00	1,00	230.000,00
1.	**1. Nabava, dobava i izgradnja crpne stanice za recirkulaciju procjedne vode.**	**F.1**	**Procurement, supply and construction of a pumping station for recirculation of**				**230.000,00**		**0,00**		**230.000,00**		**0,00**		**230.000,00**
2.	**2. Nabava, dobava i izgradnja crpne stanice za**	**F.2**	**Procurement, supply and construction of pump stations for storm water**												
	oborinsku vodu.														
	Stavka uključuje: Crpke za oboinsku vodu kao Grundfos SP 9-8 ili jednakovrijedne. Tijelo i impeler izvedeni su od nehrđajućeg čelika. Izvode se dvije crpke, prema tehničkom rješenju prikazanom u nacrtima glavnog strojarskog projekta. Tlačni cjevovod od nehrđajućeg čelika (Č1.4301), što uključuje sve spojne komade prema tehničkom rješenju prikazanom u nacrtima glavnog strojarskog projekta.		The item includes: Pumps for storm water as Grundfos SP 9-8 or equivalent The body and the impeller are made of stainless steel. Copies of the two pumps, according to the technical solution shown in the designs of the main mechanical project. Pressure pipe stainless steel (Č1.4301), which includes all the connecting pieces according to the technical solution shown in the designs of the main mechanical project. Two check valves and two valves to separate stations, all according to the technical solution shown in the drawings of mechanical project. Switches levels (performed a total of 4 level switches). Control electrical cabinet with "soft start" running the pumps and transmission signals, according to the technical solution defined in the main electro project. Steel holder for extraction pumps with winch and ropes, appropriate capacity for the selected pump (1 pc). Paragraph is covered by all the connecting material required for installation of the pump, switch level, the carrier extraction pumps and control electrical cabinets, and all work on the same assembly. Testing of electrical installation, pressure testing, functional testing and all other necessary tests in accordance with the applicable regulations.												

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
				Unit	Quantity	Jedinična Rate	Ukupna Amount	Količina	Sit. 12 (HRK)	Količina	Sit. 12 sveukupno (HRK)	Količina	Sit.Ok (HRK)	Količina	Sit. Ok sveukupno (HRK)
1	2			3	4	5	6	9	10	11	12	9	10	11	12
	STROJARSKI PROJEKT	**F.**	**MECHANICAL WORKS**												
	Dva protupovratna ventila i dva ventila za odvajanje		Set fire hose with a diameter of 50 mm and a total length of 100 m, including all fittings to connect the pump station, cabinet for outdoor installation size sufficient to accommodate all the hoses and two nozzles for washing the surface, hole diameter 16-24 mm.												
	crpki, sve prema tehničkom rješenju prikazanom u		Release of pumping stations in a test drive with the regulation of labor, training of personnel investors to operate and possibly eliminating the identified deficiencies.												
	nacrtima strojarskog projekta.		Handing over the device and instructions for handling and inventory of spare and wear parts.												
	Sklopke razine (izvode se ukupno 4 sklopke razine). Upravljački elektrooormar sa "soft start" pokretanjem crpki i prijenosom signala, prema tehničkom rješenju definiranom u glavnom elektrotehničkom projektu. Čelični nosač za vađenje crpki s vitlom i čeličnom užadi prikladne nosivosti za odabrane crpke (1 kom.). Stavkom je obuhvaćen sav spojni materijal za potreban za montažu crpki, sklopki razine, nosača za vađenje crpki i upravljačkog elektroormara, te sav rad na montaži istih. Ispitivanje električnih instalacija, tlačne probe, funkcionalne probe i sva ostala potrebna ispitivanja sukladno važećim propisima. Komplet vatrogasnih crijeva promjera 50 mm i ukupne duljine 100 m, uključujući sav spojni pribor za povezivanje s crpnom stanicom, ormar za vanjsku ugradnju veličine dovoljne za smještaj svih crijeva te dvije mlaznice za pranje površina, promjera otvora 16-24 mm. Puštanje crpne stanice u probni pogon uz regulaciju rada, obuka kadrova investitora za rukovanje te otklanjanje eventualno uočenih nedostataka . Primopredaja uređaja i uputa za rukovanje te popisa rezervnih i potrošnih dijelova. Dokumentacija izvedenog stanja.		As built documentation.	komp	1,00	**35.000,00**	35.000,00	0,00	0,00	1,00	35.000,00	0,00	0,00	1,00	35.000,00
2.	**2. Nabava, dobava i izgradnja crpne stanice za oborinsku vodu.**	**F.2**	**Procurement, supply and construction of pump stations for storm water TOTAL**				**35.000,00**		**0,00**		**35.000,00**		**0,00**		**35.000,00**
3.	**3. Nabava, dobava i izgradnja perilišta kotača.**	**F.3**	**Procurement, supply and construction of wheels washing facility**												
	Stavka uključuje: Jedinica za pranje kotača (sastavljena iz 2 modula		The item includes: Wheel washing units (made up of two modules of the same length are connected at the construction site in one unit) consisting of:												
	jednake duljine koji se na gradilištu spajaju u jednu		- Two hot galvanized elements for washing, measuring 5.60 m x 3.1 m, installed 50 cm into the ground, allowing access for vehicles to the level of the country after leaving the location, before access road and entrance and exit zone.												
	cjelinu) koja se sastoji iz:		The central element with sloping sides constructed of robust galvanized grid												
	- dva vruće cinčana elementa za pranje, dimenzija 5,60 m		- Static nozzle system for complete flushing profile wheels, exterior and interior surface of the wheel and chassis parts												

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
						Jedinična	Ukupna	Količina	Sit. 12 (HRK)	Količina	Sit. 12 sveukupno (HRK)	Količina	Sit.Ok (HRK)	Količina	Sit. Ok sveukupno (HRK)
				Unit	Quantity	Rate	Amount								
1	2			3	4	5	6	9	10	11	12	9	10	11	12
	STROJARSKI PROJEKT	**F.**	**MECHANICAL WORKS**												
	x 3,1 m , ugrađena 50 cm u zemlju omogućavajući		- Two galvanized wall with nozzles (left and right) with integrated, adjustable side jets.												
	pristup vozilima u razini zemlje nakon napuštanja lokacije,		Dimensions:												
	a prije pristupa prometnici odnosno ulaznoj i izlaznoj zoni.		external dimensions 6600 x 3150 x 50 mm												
	Element za pranje ima integrirani unutarnji pad za		truck width 2800 mm												
	dreniranje vode i sedimenta i samonosivu čeličnu		complete unit weight 6000 kg												
	konstrukciju koja se sastoji od kanala za odvodnju i		Sedimentary pool (recirculation), derived from the concrete:												
	nagnutih profila, dimenzioniranih za prihvat maksimalnog		Dimensions: 8500 x 3000 x 3000 mm												
	osovinskog opterećenja od 15 tona		Useful volume: 55 m3												
	- srednjeg elementa sa nagnutim stranicama		Additional safety equipment sedimentary basin composed of:												
	konstruiranog od robusne pocinčane rešetke		- Handrail designed for installation around the perimeter of the pool, made of square steel profile, galvanized, height 1200 mm												
	- statičkog sustava mlaznica za kompletno ispiranje profila		- Ladders for access to pumps, made of square steel profile, galvanized '												
	kotača, vanjske i unutarnje površine kotača i dijela šasije		Submersible pressure pumps DN 100, special construction, intended for fixed installation in the chamber pump sedimentary basin, complete with non-return valve elements for fixing the pumps and piping and wiring Electrical cable length of 15 m, the following characteristics:												
	- dva pocinčana zida sa sapnicama (lijevi i desni) sa integriranim, prilagodljivim bočnim mlaznicama.		Q = 2500 l / min H = 1,8 bar N = 6,5 kW / 400 V / 50Hz												
	Dimenzije: vanjske dimenzije 6600 x 3150 x 50 mm		Dimensions: Ø270 × 530 mm												
	Taložni bazen (bazen za recirkulaciju), izveden iz betona:		Weight: 80 kg												
	širina kamiona 2800 mm		Equipment (control -dosing) consisting of:												
	težina kompletne jedinice 6000 kg		- Flocculant dosing device, complete with electro-mechanical dosing pump lubrication oil and the diaphragm dosing head, suction tube with a suction valve, pressure pipes with dosage valves for installation in pressure pipe submersible pumps and tank for flocculant												
	Dimenzije 8500 x 3000 x 3000 mm		- Control - the control cabinet, made from stainless steel, complete with built-in automation and control for fully automatic operation, in accordance with EN 60439-1, the setting options (programming) the length of time for washing, and all necessary elements												
	Korisni volumen: 55 m3		Solid steel barrier separating sedimentary basins of the chamber pump with steel mesh for dressing in the upper part of the barrier												
	Dodatna sigurnosna oprema taložnog bazena u sastavu:		Piping required for internally connecting the above elements in the functional unit, including supports, the supports, the required fittings such as for example, the float valve to replenish the pool, a flexible tube, the protective tube and the penetrating, small consumables, and tightening the fastening material, and the required corrosion other protection of pipelines and the like.												

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
						Jedinična	Ukupna	Količina	Sit. 12 (HRK)	Količina	Sit. 12 sveukupno (HRK)	Količina	Sit.Ok (HRK)	Količina	Sit. Ok sveukupno (HRK)
				Unit	Quantity	Rate	Amount								
1	2			3	4	5	6	9	10	11	12	9	10	11	12
	STROJARSKI PROJEKT		**F. MECHANICAL WORKS**												
	- rukohvat predviđen za montažu po cijelom obodu		Electrical cables necessary for the internal wiring of the above electrical consumer (inside the device)												
	bazena, izrađen iz kvadratnih čeličnih profila, galvanski		Paragraph covered all fittings and the work required for installation.												
	zaštićen, visine 1200 mm		Release of pumping stations in a test drive with the regulation of labor, training of personnel investors to operate and possibly eliminating the identified deficiencies.												
	- ljestve za pristup pumpama, izrađene iz kvadratnih		Handing over the device and instructions for handling and inventory of spare and wear parts.												
	čeličnih profila, galvanizirane		Production of as-built documentation.												
	Potopne tlačne pumpe DN 100, posebne konstrukcije, predviđene za fiksnu ugradnju u komoru za pumpe taložnog bazena, komplet sa nepovratnim ventilom, elementima za učvršćenje pumpi i cjevovoda te priključnim elektrokabelom duljine 15 m, sljedećih karakteristika:														
	Q = 2500 l / min														
	H = 1,8 bar														
	N = 6,5 kW / 400 V / 50Hz														
	Dimenzije: 0270 x 530 mm														
	Težina: 80 kg														
	Oprema (upravljačko -dozirna) koja se sastoji iz:														
	- dozirnog uređaja za flokulant, komplet sa elektro-mehaničkom dozirnom pumpom sa uljnim podmazivanjem i dijafragmom na dozirnoj glavi, usisnom cijevi s usisnim ventilom, tlačnim cijevima sa dozirnim ventilima za ugradnju u tlačne cijevi potopnih pumpi te posudom za flokulant														
	- upravljačko - kontrolnog ormara, izrađenog iz nehrđajućeg čelika, s ugrađenom kompletnom automatikom i regulacijom za potpuno automatski rad uređaja, sukladno standardu EN 60 439-1, s mogućnosti podešavanja (programiranja) dužine trajanja vremena za pranje, te svim potrebnim elektropriključcima za spajanje na elektropotrošače u / izvan kontejnera (pumpe, fotoelektrični senzor na ulazu / izlazu vozila u jedinicu za pranje, sigurnosni prekidač na vanjskoj strani ormara itd.)														
	- čvrsta čelična pregrada za odvajanje taložnog bazena od komore za pumpe sa čeličnom mrežom za preljev u gornjem dijelu pregrade.														
	Cjevovodi potrebni za interno spajanje naprijed navedenih elemenata u funkcionalnu cjelinu, uključivo nosače, oslonce, potrebnu armaturu kao što je npr ventil s plovkom za nadopunu bazena, fleksibilne cijevi, zaštitne i proturne cijevi, sitni potrošni, pričvrsni I pritezni materijal, potrebna antikorozivna i ostala zaštita cjevovoda i sl.														
	Elektrokablovi potrebni za interno ožičenje naprijed navedenih elektropotrošača (unutar samog uređaja) Stavkom je obuhvaćen sav spojni materijal i rad potreban za montažu.														
	Puštanje crpne stanice u probni pogon uz regulaciju rada, obuka kadrova investitora za rukovanje te otklanjanje eventualno uočenih nedostataka .														
	Primopredaja uređaja i uputa za rukovanje te popisa														

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
						Jedinična	Ukupna	Količina	Sit. 12 (HRK)	Količina	Sit. 12 sveukupno (HRK)	Količina	Sit.Ok (HRK)	Količina	Sit. Ok sveukupno (HRK)
				Unit	Quantity	Rate	Amount								
1	2			3	4	5	6	9	10	11	12	9	10	11	12
	STROJARSKI PROJEKT	**F.**	**MECHANICAL WORKS**												
	rezervnih i potrošnih dijelova. Izrada dokumentacije izvedenog stanja.			komp	0,00	**500.000,00**	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
3.	**3. Nabava, dobava i izgradnja perilišta kotača.**	**F.3**	**Procurement, supply and construction of wheels washing facility TOTAL**				**0,00**		**0,00**		**0,00**		**0,00**		**0,00**
	UKUPNO						**265.000,00**		**0,00**		**265.000,00**		**0,00**		**265.000,00**
6.	**STROJARSKI PROJEKT**														
	REKAPITULACIJA						**Ukupna cijena [HRK]**								
V	**STROJARSKI PROJEKT**					**57**	**265.000,00**		**0,00**		**265.000,00**		**0,00**		**265.000,00**
	SVEUKUPNO					**60**	**265.000,00**		**0,00**		**265.000,00**		**0,00**		**265.000,00**

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
				Unit	Quantity	Jedinična Rate	Ukupna Amount	Količina	Sit. 12 (HRK)	Količina	Sit. 12 sveukupno (HRK)	Količina	Sit.Ok (HRK)	Količina	Sit. Ok sveukupno (HRK)
1	2			3	4	5	6	13	14	15	16	13	14	15	16
	ELEKTROTEHNIČKI PROJEKT	**G**	**ELECTROTEHNICAL WORKS**												
1.	**1. AGREGATSKA STANICA**	**G.1**	**Generator station**												
1.1.	1.1. Dobava i ugradnja automatskoG, stacionarnog, dizel-	**G.1.1**	Supply and installation of automatic, stationary, diesel-generator plant in housing for indoor or outdoor use, stand-by / Primary power: 110 / 100kVA - 88 / 80kW, 159A 3P + N, with a minimum of the following characteristics:												
	agregatnoG postrojenjA u kućištu za unutarnju ili vanjsku montažu, Stand-by/Primarne snage: 110/100kVA - 88/80kW, 159A 3P+N, sa minimalno sljedećim		The facility should be minimally equipped with.												
	karakteristikama:		- Industrial, water-cooled, diesel engine												
	Postrojenje treba biti minimalno opremljeno sa:		- Radiator with a cooling medium designed for 50 ° C max T in the air inlet												
	- industrijskim, vodom hlađenim, DIESEL motorom		- Electric starter and charging alternator												
			- Mechanical speed controller												
	- radijatorom s medijem za hlađenje dizajniranim za		- Excitation system type AREP (Auxiliary Winding Excitation Principle, equivalent PMG) or PMG-om												
	50°C max T na ulazu zraka		- Plant should bear the short-circuit in the amount of 3xIn a period of 10s												
	- električnim pokretačem i alternatorom za punjenje		- Standard air filter												
			- Alternator with a single bed - IP23 / Insulation class H / H												
	- mehaničkim regulatorom broja okretaja		- Microprocessor control / Control Module												
	- sustavom uzbude tipa AREP (Auxiliary Winding		- Output breaker Compact NSX160A 4P Micrologic 2.0 SCHNEIDER ELECTRIC or equivalent												
	Excitation Principle, ekvivalent PMG-a) ili PMG-om		- Welded steel base frame with mounted antivibration elements												
	- postrojenje treba podnositi struju kratkog spoja u iznosu od 3xIn u periodu od 10s		- Daily fuel tank welded inside the base frame												
			- Flexible fuel lines, draining lubricating oil												
	- standardnim zračnim filterom		- Twin silencer exhaust 9dB (A)												
	- alternatorom s jednostrukim ležajem - IP23/Izolacija klase H/H		- Filled and formed the starting battery												
			- The user manual (1 copy) in Croatian and English language												
	- mikroprocesorskim nadzorno/upravljačkim modulom		- Should be wrapped in protective foil												
	- izlaznim zaštitnim prekidačem Compact NSX160A 4P		- The necessary fluids for work (except fuels)												
	Micrologic 2.0 SCHNEIDER ELECTRIC ili odgovarajući		-Actuator engine as a John Deere 4045HF120 or equvalent												
	- varenim čeličnim baznim okvirom s montiranim antivibrirajućim elementima		-generator as SDMO AT00911T or equivalent												
			-bath for collecting liquid leak												
	- dnevnim spremnikom goriva zavarenim unutar baznog okvira		-prefuel filter to separate water												
			-The user guide and maintenance manuals in paper form in Croatian and English language												
	- fleksibilnom cijevi goriva, ispustom ulja za		-main operating console should be aligned with the IEC directive												
	podmazivanje		-contact protection of high temperature working parts should be in accordance CE standard												
	- odvojenim prigušivačem ispuha 9dB(A)		-a micro processor control / control module as MICS APM303 or equivalent												
	- napunjenom i formiranom startnom baterijom		-MODBus Communication interface												
	- korisničkim priručnikom (1 kopija)		-system for remote start												
	- treba biti pakirano u zaštitnu foliju		- A packet of automation (charger, resistor for preheating engines relay 220 / 240V)												
	- potrebnim tekućinama za rad (osim goriva)		-measuring card (U, V, S)												
	-pogonski motor kao JOHN DEERE 4045HF120		-Display to display analog values												
	-generator kao SDMO AT00911T		-functions for stopping due to low levels of cooling liquid												
	-kadom za prikupljanje iscurenih tekućina		Sound enclosure for indoor or outdoor MOUNTING WITH TANK INCREASED SIZE AND double wall:												

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
						Jedinična	Ukupna	Količina	Sit. 12 (HRK)	Količina	Sit. 12 sveukupno (HRK)	Količina	Sit.Ok (HRK)	Količina	Sit. Ok sveukupno (HRK)
1	2			3	4	5	6	13	14	15	16	13	14	15	16
	ELEKTROTEHNIČKI PROJEKT	**G**	**ELECTROTEHNICAL WORKS**												
	-predfilterom goriva za separaciju vode		-Protection stationary and mobile plants from the effects of bad weather and theft with the function of reducing of noise												
	-korisničkim vodičem i priručnikom održavanja u		-Housing should be made of steel reinforcement with steel sides, zinc before painting (inside and outside) with a polyester powder for corrosion protection												
	papirnatom obliku		-In purpose of high corrosion protection, in addition to the above, anodized aluminum alloy should be used for making door hinges, a system of flexible seals should be used between elements of the housing												
	-upravljačka konzola treba biti usklađena sa s IEC		-In purpose of reduce of noise should have called, "Acoustic foam" with a thickness of 20 to 50mm												
	direktivom		-Hausing should be equipped with doors increased dimensions in order to facilitate access for servicing												
	-zaštita od dodira dijelova s visokom radnom		The window for the control should be carried out with safety glass												
	temperaturom treba biti u skladu CE normom		-exhaust silencer as "critical silencer" (29 or 40 dB (A)) should be mounted within the housing												
	-mikroprocesorskim nadzorno/upravljačkim modulom kao		-The Emergency stop should be available inside and outside the housing												
	MICS APM303		-Sound attenuation should be: 77dB (A) @ 1m, 66dB (A) @ 7m, 95LWA												
	-MODBus komunikacijskim sučeljem		-dimension LxWxH: 2602 x 1150 x 1948mm												
	-sustavom za daljinsko pokretanje		-weight without fuel: 2012kg												
	-paketom automatike (punjačem, otpornikom za		The capacity of the fuel tank: 825L												
	predgrijavanje motora s relejom 220/240V)		-dimension LxWxH: 2602 x 1150 x 1948mm												
	-mjernom karticom (U,V,I)		-weight without fuel: 2012kg												
	-zaslonom za prikaz analognih vrijednosti		- capacity of the fuel tank: 825L												
	-funkcijom zaustavljanja uslijed niske razine tekućine za		Diesel generator plant as a type SDMO XP-J110IV												
	hlađenje		Montana Express or equivalent.												
	ZVUČNO IZOLIRANO KUĆIŠTE ZA UNUTARNJU ILI		Offer:												
	VANJSKU MONTAŽU SA SPREMNIKOM POVEĆANIH														
	DIMENZIJA I DVOSTRUKOM STIJENKOM:														
	-zaštita stacionarnih i mobilnih postrojenja od utjecaja														
	lošeg vremena i krađe uz funkciju reduciranja buke														
	-kućište treba biti napravljeno od čelične armature s														
	čeličnim stranicama, cinčanim prije bojenja (izvana i														
	iznutra) s poliesterskim prahom za zaštitu od korozije														
	-u svrhu visoke antikorozivne zaštite, pored navedenog,														
	anodizirana aluminijska legura treba biti korištena za														
	izradu šarki vrata, a sustav fleksibilnih brtvi se treba														
	primjenjivati između elemenata kućišta														
	-u svrhu reduciranja buke treba imati tzv. „zvučnau														
	pjenau" debljine od 20 do 50mm														
	-kućište treba biti opremljeno vratima povećanih														
	dimenzija radi olakšanog pristupa tijekom servisiranja														
	-prozor za kontrolu treba biti izveden sa sigurnosnim														
	staklom														
	-prigušivač ispuha kao „critical silencer" (29 ili 40dB(A))														
	treba biti montiran unutar kućišta														
	-gumb za prisilno zaustavljanje treba biti dostupan														
	unutar i izvan kućišta														
	-zvučno priti pakirano u zaštitnu foliju														
	- potrebnim tekućinama za rad (osim goriva)														

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
				Unit	Quantity	Jedinična Rate	Ukupna Amount	Količina	Sit. 12 (HRK)	Količina	Sit. 12 sveukupno (HRK)	Količina	Sit.Ok (HRK)	Količina	Sit. Ok sveukupno (HRK)
1	2			3	4	5	6	13	14	15	16	13	14	15	16
	ELEKTROTEHNIČKI PROJEKT	**G**	**ELECTROTEHNICAL WORKS**												
	mjerom, upisuju se u građevinski dnevnik ili knjigu. Nadzorni inženjer i izvoditelj radova potvrđuje upisane količine i podatke svojim potpisom. citet spremnika goriva: 825L Dizel agregatno postrojenje kao tip SDMO XP-J110IV Montana Express ili jednakovrijedan. Nudi se:														
1.2.	1.2. Dostava, montaža i puštanje u rad DEA sustava na pripremljenu lokaciju (dovodni i odvodni kablovi), pripremljeno betonsko (ili odgovarajuće) postolje. Stavka uključuje. -sve potrebne tekućine za rad (ulje, rashladna tekućina, osim goriva). -dostavu i istovar s dizalicom ili viljuškarom, te fiksiranje sidrenim vijcima. -spajanje svih međusobnih, prethodno položenih, vodova do pune funkcionalnosti postrojenja, uključujući spajanje na FeZn traku za uzemljenje. -probni rad (ručno i automatski s daljinskim uklopom) -uz postrojenje se isporučuje Korisnički i priručnik održavanja na Hrvatskom i Engleskom jeziku, tvornički test report i hrvatski certifikati. -izrada Zapisnika o primopredaji.	**G.1.2**	Delivery, installation and commissioning of the DEA system to a prepared site (inlet and outlet cables), prepared concrete (or equivalent) base. The item includes: -all necessary fluids to operate (oil, coolant, except fuels). and delivery and unloading with a crane or forklift, and fixing anchor bolts. - merger with all mutual, previously deposited, lines to the full functionality of the plant, including the connection to FeZn grounding strap. -trialı work (manual and automatic remote switching) -with the plant is delivered user's and maintenance manual in English and Croatian language, the factory test report and Croatian certificates. -making the Minutes of the handover.	komp	1,00	**145.000,00**	145.000,00	0,00	0,00	1,00	145.000,00	0,00	**0,00**	1,00	145.000,00
1.3.	1.3. Dobava, doprema i utakanje dizel goriva za potrebe probnog rada agregata, u količini min. 30 litara.	**G.1.3**	Supply, delivery and pouring diesel fuel for testing aggregate operation, the amount min. 30 liters	komp	1,00	**7.000,00**	7.000,00	0,00	0,00	0,00	0,00	1,00	7.000,00	1,00	7.000,00
1.	**1. AGREGATSKA STANICA UKUPNO:**	**G.1**	**Generator station TOTAL**	komp	4,50	**1.200,00**	5.400,00	2,80	3.360,00	2,80	3.360,00	1,70	2.040,00	4,50	5.400,00
2.	**2. GLAVNI RAZVOD SNAGE**	**G.2**	**Main power distribution**				**157.400,00**		**3.360,00**		**148.360,00**		**9.040,00**		**157.400,00**
2.1.	2.1. Dobava i ugradnja glavnog samostojećeg razvodnog ormara, tlocrtne oznake GRO, izrađenog od poliestera, s punim dvostrukim vratima opremljenim tipskom bravicom i ključem, montažnom pločom, DIN šinama, nadstrešnicom, brtvenom pločom za dno ormara i tipskim poliesterskim postoljem visine h=900mm, u zaštiti min.	**G.2.1**	Delivery and installation of the main stand-alone control cabinet layout tags GRO, made of polyester, with full double doors equipped with a type lock and key, mounting plate, DIN rail, canopy, sealing washer to the bottom of the closet and a standard polyester base height h = 900mm, protect min. IP54, dimensions min. 1500 × 1250 × 420mm (H x W x D), as a type of PLA Thalassa "Schneider" or equivalent. The cabinet is installed below specified equipment type "Schneider" or equivalent, as follows • MCCB rated current up to 160A, equipped with electronic protection unit Micrologic 5.2A, leakage module 300mA and MX voltage trigger, 4P4D as type NSX160B or equivalent												

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
						Jedinična	Ukupna	Količina	Sit. 12 (HRK)	Količina	Sit. 12 sveukupno (HRK)	Količina	Sit.Ok (HRK)	Količina	Sit. Ok sveukupno (HRK)
1	2			3	4	5	6	13	14	15	16	13	14	15	16
	ELEKTROTEHNIČKI PROJEKT	G	**ELECTROTEHNICAL WORKS**												
	IP54, dimenzija min. 1500xl250x420mm (V x Š x D), kao tip PLA Thalassa "SCHNEIDER" ili jednakovrijedan. U ormar se ugrađuje dolje specificirana oprema tip "SCHNEIDER" ili jednakovrijedan, kako slijedi:														
	• kompaktni prekidač nazivne struje do 160A, opremljen elektroničkom zaštitnom jedinicom Micrologic 5.2A, diferencijalnim modulom 300mA i MX naponskim okidačem, 4P4D, kao tip NSX160B ili jednakovrijedan			kom.	1,00	**5.000,00**	5.000,00	1,00	5.000,00	1,00	5.000,00	0,00	0,00	1,00	5.000,00
	• odvodnici prenapona tip 2+3, 40/15kA, 4P, za TN-S sustav, komplet sa promjenjivim uloškima • udarnio gljivasto tipkalo za vrata (ili kućište) ormara, sa 1xCO kontaktom 230V, crvene boje, min. IP55		• surge arresters type 2 + 3, 40 / 15kA, 4P, for TN-S system, complete with changing cartridges	kom.	1,00	**2.500,00**	2.500,00	1,00	2.500,00	1,00	2.500,00	0,00	0,00	1,00	2.500,00
	• kompaktni prekidač nazivne struje do 100A, opremljen elektroničkom zaštitnom jedinicom Micrologic 5.2A, 3P3D, kao tip NSX100F ili jednakovrijedan		• Percussion mushroom push button for the door (or housing) closet, with 1xCO contact 230V, red, min. IP55	kom.	1,00	**2.000,00**	2.000,00	1,00	2.000,00	1,00	2.000,00	0,00	0,00	1,00	2.000,00
	• kompaktni prekidač nazivne struje do 100A, opremljen termo magnetskom zaštitnom jedinicom TM-D 40A, 3P3D, kao tip NSX100F ili jednakovrijedan • instalacijski prekidač nazivne struje C40A/3p kao tip		• MCCB rated current up to 100A, equipped with electronic protection unit Micrologic 5.2A, 3P3D as type NSX100F or equivalent • MCCB rated current up to 100A, equipped with thermal-magnetic protection unit TM-D 40A, 3P3D as type NSX100F or equivalent	kom. kom.	1,00 1,00	**350,00** **1.600,00**	350,00 1.600,00	1,00 1,00	350,00 1.600,00	1,00 1,00	350,00 1.600,00	0,00 0,00	0,00 0,00	1,00 1,00	350,00 1.600,00
	iC60N ili jednakovrijedan • instalacijski prekidač nazivne struje C32A/3p kao tip		• circuit breaker rated current C40A / 3p as type iC60N or equivalent	kom.	2,00	**1.600,00**	3.200,00	2,00	3.200,00	2,00	3.200,00	0,00	0,00	2,00	3.200,00
	iC60N ili jednakovrijedan • instalacijski prekidač nazivne struje C25A/3p kao tip		• circuit breaker rated current C32A / 3p as type iC60N or equivalent	kom.	2,00	**600,00**	1.200,00	2,00	1.200,00	2,00	1.200,00	0,00	0,00	2,00	1.200,00
	iC60N ili jednakovrijedan • instalacijski prekidač nazivne struje C16A/3p kao tip		• circuit breaker rated current C25A / 3p as type iC60N or equivalent	kom.	2,00	**170,00**	340,00	1,00	170,00	1,00	170,00	0,00	0,00	1,00	170,00
	iC60N ili jednakovrijedan • instalacijski prekidač nazivne struje C16A/4p kao tip iC60N ili jednakovrijedan, opremljen Vigi diferencijalnim modulom 30mA/4p • instalacijski prekidač nazivne struje C10A/3p kao tip		• circuit breaker rated current C16A / 3p as type iC60N or equivalent • circuit breaker rated current C16A / 4p as type iC60N or equivalent, equipped with a Vigi differential module 30mA / 4p	kom. kom.	6,00 2,00	**700,00** **140,00**	4.200,00 280,00	5,00 2,00	3.500,00 280,00	5,00 2,00	3.500,00 280,00	0,00 0,00	0,00 0,00	5,00 2,00	3.500,00 280,00
	iC60N ili jednakovrijedan • instalacijski prekidač nazivne struje C16A/1p kao tip		• circuit breaker rated current C10A / 3p as type iC60N or equivalent	kom.	1,00	**40,00**	40,00	1,00	40,00	1,00	40,00	0,00	0,00	1,00	40,00
	iC60N ili jednakovrijedan • instalacijski prekidač nazivne struje C10A/1p kao tip		• circuit breaker rated current C16A / 1p as type iC60N or equivalent	kom.	2,00	**40,00**	80,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
	iC60N ili jednakovrijedan • instalacijski prekidač nazivne struje B10A/1p kao tip		• circuit breaker rated current C10A / 1p as type iC60N or equivalent	kom.	2,00	**40,00**	80,00	2,00	80,00	2,00	80,00	0,00	0,00	2,00	80,00
	iC60N ili jednakovrijedan • instalacijski prekidač nazivne struje B6A/1p kao tip		• circuit breaker rated current B10A / 1p as type iC60N or equivalent	kom.	2,00	**40,00**	80,00	2,00	80,00	2,00	80,00	0,00	0,00	2,00	80,00
	iC60N ili jednakovrijedan • instalacijski prekidač nazivne struje B4A/1p kao tip iC60N ili jednakovrijedan		• circuit breaker rated current B6A / 1p as type iC60N or equivalent • circuit breaker rated current B4A / 1p as type iC60N or equivalent	kom. kom.	1,00 1,00	**40,00** **40,00**	40,00 40,00	1,00 1,00	40,00 40,00	1,00 1,00	40,00 40,00	0,00 0,00	0,00 0,00	1,00 1,00	40,00 40,00
	• instalacijski prekidač nazivne struje B2A/1p kao tip iC60N ili jednakovrijedan		• circuit breaker rated current B2A / 1p as type iC60N or equivalent	kom.	4,00	**40,00**	160,00	4,00	160,00	4,00	160,00	0,00	0,00	4,00	160,00
	• grebenasta sklopka 40A/3p za unutarnja vrata ormara		• cam switch 40A / 3p for inner cabinet doors	kom.	1,00	**450,00**	450,00	1,00	450,00	1,00	450,00	0,00	0,00	1,00	450,00
	• grebenasta sklopka 25A/1p za unutarnja vrata ormara		• cam switch 25A / 1p for inner cabinet doors	kom.	6,00	**400,00**	2.400,00	6,00	2.400,00	6,00	2.400,00	0,00	0,00	6,00	2.400,00
	• grebenasta izborna preklopka 1-0-2, 12A/1p, za unutarnja vrata ormara		• rippled election switch 1-0-2, 12A / 1p, the inner cabinet doors	kom.	1,00	**340,00**	340,00	1,00	340,00	1,00	340,00	0,00	0,00	1,00	340,00
	• instalacijski sklopnik 25A/3p/230V		• installation coupler 25A / 3P / 230V	kom.	2,00	**400,00**	800,00	2,00	800,00	2,00	800,00	0,00	0,00	2,00	800,00
	• signalna svjetiljka 2A/230V zelena		• signal light 2A / 230V green	kom.	3,00	**45,00**	135,00	3,00	135,00	3,00	135,00	0,00	0,00	3,00	135,00
	• svjetlosna sklopka (luksomat) 2-2000lx, komplet sa vanjskim senzorom u zaštiti min. IP54		• light switch (luxomat) 2-2000lx, complete with outdoor sensor in the protection min. IP54	kom.	1,00	**320,00**	320,00	1,00	320,00	1,00	320,00	0,00	0,00	1,00	320,00
	• termostat za nadzor temperature TS140 ili jednakovrijedno		• thermostat temperature control TS140 or equivalent	kom.	0,00	**400,00**	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
	• higrotermostat za nadzor temperature HS3000 ili jednakovrijedno		• higrotermostat temperature control or HS3000 or equivalent	kom.	1,00	**2.200,00**	2.200,00	1,00	2.200,00	1,00	2.200,00	0,00	0,00	1,00	2.200,00

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
				Unit	Quantity	Jedinična Rate	Ukupna Amount	Količina	Sit. 12 (HRK)	Količina	Sit. 12 sveukupno (HRK)	Količina	Sit.Ok (HRK)	Količina	Sit. Ok sveukupno (HRK)
1	2			3	4	5	6	13	14	15	16	13	14	15	16
	ELEKTROTEHNIČKI PROJEKT	**G**	**ELECTROTEHNICAL WORKS**												
	• otpornički grijač CR 90W/230V/50Hz		• resistive heater CR 90W / 230V / 50Hz	kom.	1,00	**1.200,00**	1.200,00	1,00	1.200,00	1,00	1.200,00	0,00	0,00	1,00	1.200,00
	• svjetiljka za ormar 11W/230V, sa magnetom		• Light cabinet 11W / 230V, with magnet	kom.	1,00	**220,00**	220,00	1,00	220,00	1,00	220,00	0,00	0,00	1,00	220,00
	• redne stezaljke do 95mm2		• terminal blocks up to 95mm2	kom.	4,00	**110,00**	440,00	4,00	440,00	4,00	440,00	0,00	0,00	4,00	440,00
	• redne stezaljke do 35mm2		• terminal blocks up to 35mm2	kom.	3,00	**22,00**	66,00	3,00	66,00	3,00	66,00	0,00	0,00	3,00	66,00
	• redne stezaljke do 10-16mm2		• terminal blocks to 10-16mm2	kom.	15,00	**20,00**	300,00	15,00	300,00	15,00	300,00	0,00	0,00	15,00	300,00
	• redne stezaljke do 6mm2		• terminal blocks up to 6mm2	kom.	15,00	**10,00**	150,00	15,00	150,00	15,00	150,00	0,00	0,00	15,00	150,00
	• redne stezaljke do 2,5mm2		• terminal blocks up to 2.5mm2	kom.	30,00	**7,00**	210,00	30,00	210,00	30,00	210,00	0,00	0,00	30,00	210,00
	• brtvena ploča za dno ormara i ulaz cijevi i kabela		• sealing plate to the bottom of the closet and entry pipes and cables	kom.	0,00	**300,00**	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
	• rešetka za ventilaciju za IP54 zaštitu		• grid ventilation for IP54 protection	kom.	0,00	**400,00**	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
	sabirnice, bakrene sabirnice, potporni izolatori, redne stezaljke, vodiči za ožičenje, spojni materijal, oznake, natpisne pločice, vijčani i spojni pribor, nosači opreme, pokrivne ploče, brava s maskom i ključevima te ostali sitni materijal.		• L1, L2 and L3 insulated needle-pole bus, N and PE bus, copper bus bars, insulators, terminals, conductors for wiring, connecting material, labels, nameplates, screws and fittings, equipment carriers, cover plates, with lock mask and keys and other small materials.												
	Nudi se:		Offer:	kompl.	1,00	**720,00**	720,00	1,00	720,00	1,00	720,00	0,00	0,00	1,00	720,00
2.2.	2.2. Dobava i polaganje 1kV fleksiblnih energetskih kabela sa HERP izolacijom i PVC plaštem, prema donjoj specifikaciji. Kabeli se polažu u prethodno položenim PVC cijevima u kabelskoj kanalizaciji. U stavku uračunati obostrano spajanje kabela sa svim potrebnim priborom do pune funkcionalnosti.		Supply and laying of 1 kV power cables with flexible HERP insulation and PVC sheath, according to the lower specification. The cables are laid in the previously passed PVC pipes in ducts. The sentence included mutually connecting cable with all necessary equipment to full functionality.												
	5xFG70R 1x95mm2		5xFG70R 1×95mm2	ml	25,00	**405,00**	10.125,00	0,00	0,00	25,00	10.125,00	0,00	0,00	25,00	10.125,00
	5xFG70R 1x35mm2		5xFG70R 1×35mm2	ml	90,00	**185,00**	16.650,00	0,00	0,00	89,00	16.465,00	0,00	0,00	89,00	16.465,00
	FG70R 5x10mm2		FG70R 5×10mm2	ml	215,00	**55,00**	11.825,00	0,00	0,00	206,00	11.330,00	0,00	0,00	206,00	11.330,00
	FG70R 5x6mm2		FG70R 5×6mm2	ml	20,00	**43,00**	860,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
	FG70R 3x1,5mm2		FG70R 3×1,5mm2	ml	0,00	**11,00**	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
	FG70R 5x2,5mm2		FG70R 5×2,5mm2	ml	0,00	**22,00**	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
	NHXH E30 2x1,5mm2		NHXH E30 2×1,5mm2	ml	20,00	**25,00**	500,00	0,00	0,00	20,00	500,00	0,00	0,00	20,00	500,00
	NYY 16x1,5mm2		NYY 16x1,5mm2	ml	100,00	**39,00**	3.900,00	0,00	0,00	100,00	3.900,00	0,00	0,00	100,00	3.900,00
2.3.	2.3. Dobava i polaganje dvoslojnih korugiranih PVC/PEHD cijevi u prethodno pripremljen zemljani rov prema donjoj specifikaciji. Cijevi moraju biti izrađene iz polietilena visoke gustoće, sa vanjskom rebrastom stijenkom i unutrašnjom glatkom, pogodne za direktno polaganje u zemlju i beton. Sve spojeve cijevi izvesti tipskim spojnicama. Svi položeni segmenti cijevi moraju biti opremljeni metalnim foršpanom za provlačenje kabela.	**G.2.3**	Supply and laying of double wall corrugated PVC / HDPE pipes in pre-prepared earthen trench to the lower specification. The pipes must be made of high density polyethylene, with a corrugated outer wall and an inner smooth, suitable for direct burial in the ground and concrete. All pipe to perform a standard couplings. All segments laid pipes must be equipped with a trailer for broaching metal cable.												

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
				Unit	Quantity	Jedinična Rate	Ukupna Amount	Količina	Sit. 12 (HRK)	Količina	Sit. 12 sveukupno (HRK)	Količina	Sit.Ok (HRK)	Količina	Sit. Ok sveukupno (HRK)
1	2			3	4	5	6	13	14	15	16	13	14	15	16
	ELEKTROTEHNIČKI PROJEKT	**G**	**ELECTROTEHNICAL WORKS**												
	• 1 x PVC 050mm		• 1 × PVC Ø50mm	m1	105,00	**28,00**	2.940,00	0,00	0,00	104,00	2.912,00	0,00	0,00	104,00	2.912,00
	• 2 x PVC 050mm		• 2 × PVC Ø50mm	m1	0,00	**52,00**	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
	• 3 x PVC 050mm		• 3 × PVC Ø50mm	m1	0,00	**80,00**	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
	• 1 x PVC 0110mm		• 1 × PVC Ø110mm	m1	430,00	**40,00**	17.200,00	0,00	0,00	425,00	17.000,00	0,00	0,00	425,00	17.000,00
	• 2 x PVC 0110mm		• 2 × PVC Ø110mm	m1	0,00	**80,00**	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
	• 3 x PVC 0110mm		• 3 × PVC Ø110mm	m1	0,00	**120,00**	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
	• 4 x PVC 0110mm		• 4 × PVC Ø110mm	m1	15,00	**150,00**	2.250,00	0,00	0,00		2.250,00	0,00	0,00		2.250,00
	• 1 x PVC 0160mm		• 1 × PVC Ø160mm	m1	10,00	**60,00**	600,00	0,00	0,00	10,00	600,00	0,00	0,00	10,00	600,00
2.4.	2.4. Priprema i spajanje napojnog kabela do 5x35mm2 na razvodnim ormarima, komplet sa svim potrebnim priborom i radovima. Ubračun po komadu jednostrano.	**G.2.4**	Preparation and connect the power cable to 5x35mm2 the distributor housings, complete with all necessary equipment and works. Calculation per piece unilaterally.	komp	25,00	**195,00**	4.875,00	0,00	0,00	25,00	4.875,00	0,00	0,00	25,00	4.875,00
2.5.	2.5. Dobava i ugradnja 1kV podzemnih kabelskih spojnica za energetske kabele tip Raichem "TYCO" ili jednakovrijedno, za sljedeće kabele:	**G.2.5**	Delivery and installation of 1 kV underground cable connectors for power cables type Raich "TYCO" or equivalent, for the following cables:												
	• 5x35 Cu		• 5x35 Cu	kom	0,00	**360,00**	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
	• 5x10 Cu		• 5x10 Cu	kom	0,00	**360,00**	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
	• 5x6 Cu		• 5x6 Cu	kom	0,00	**300,00**	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
	Nudi se:		Offer:												
2.6.	2.6. Dobava i ugradnja punih metalnih kabelskih kanala izrađenih od INOX-a, komplet sa poklopcem i montažnim priborom. Kanal dimenzija 100/50mm. Kanal se ugrađuje na pročelje zgrade za osoblje od poda do pozicije priključne utičnice i GTDI.	**G.2.6**	Delivery and installation of a full metal cable channel made of stainless steel, complete with cover and mounting accessories. The channel dimensions of 100 / 50mm The channel is mounted on the front of the building for staff from the floor to the position of connection sockets and GTDI.	m1	3,00	**200,00**	600,00	3,00	600,00	3,00	600,00	0,00	0,00	3,00	600,00
2.7.	2.7. Dobava i ugradnja industrijskog utikača IEC 309 3P+N+PE 16(32)A/400V. Utikač se ugrađuje na napojni kabel za zgradu za osoblje. Utikač mora biti u zaštiti min. IP67.	**G.2.7**	Supply and installation of industrial plug IEC 309 3P + N + PE 16 (32) A / 400V. The plug is installed on the power cable to the building for staff. The plug must be protection min. IP67	kom	0,00	**200,00**	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
2.8.	2.8. Izrada građevinske jame za ugradnju postolja ormara GRO, RO.PK, RO.PV i RO.O.V Nakon ugradnje površinu dovesti u prvobitno stanje a višak materijala zbrinuti. U stavku uračunati sav materijal i rad za iskop i ugradnju postolja, do pune funkcionalnosti.	**G.2.8**	Production of construction pits for installation pedestal cabinets GRO, RO.PK, RO.PV and RO.O.V After mounting surface to its original condition and the excess material disposed. The sentence included all the material and labor for excavation and installation of stands, to full functionality.	kom	4,00	**750,00**	3.000,00	0,00	0,00	0,00	0,00	4,00	3.000,00	4,00	3.000,00
2.9.	2.9. Dobava i ugradnja krutih instalacijskih PNT cijevi 019-	**G.2.9**	Delivery and installation of rigid pipe installation PNT Ø19-22mm on the walls of buildings, complete with brackets and wiring accessories.												

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
				Unit	Quantity	Jedinična Rate	Ukupna Amount	Količina	Sit. 12 (HRK)	Količina	Sit. 12 sveukupno (HRK)	Količina	Sit.Ok (HRK)	Količina	Sit. Ok sveukupno (HRK)
1	2			3	4	5	6	13	14	15	16	13	14	15	16
	ELEKTROTEHNIČKI PROJEKT	**G**	**ELECTROTEHNICAL WORKS**												
	22mm po zidovima građevina, komplet sa nosačima i spojnim priborom.														
2.10.	2.10. Dobava, ugradnja i spajanje nadgradnog isklopnog	G.2.10	Supply, installation and connection of the intermediate disconnecting push button for emergency switching off power to protect min IP55, red color, with removable front slides. Push button must be equipped contact 1xC / O 2A / 230V.												
	tipkala za nužni isklop napajanja, u zaštiti min IP55, crvene boje, sa zamjenjivim prednjim stakalcem. Tipkalo mora biti opremljenom kontaktom 1xC/O 2A/230V.			kom	1,00	300,00	300,00	0,00	0,00	1,00	300,00	0,00	0,00	1,00	300,00
2.	**2. GLAVNI RAZVOD SNAGE UKUPNO:**	**G.2**	**Main power distribution TOTAL**				**106.766,00**		**30.791,00**		**101.048,00**		**3.000,00**		**104.048,00**
3.	**3. ELEKTROINSTALACIJA ZGRADE ZA OSOBLJE**	**G.3**	**Electric installation of building for personnel**												
3.1.	3.1. Dobava i ugradnja zidnog nadgradnog razvodnog	G.3.1	Delivery and installation of wall the intermediate control cabinet layout tags RO.K, made of PVC, with full door equipped with a type lock and DIN rails. The cabinet is installed below specified equipment type "Schneider" or equivalent, as follows:												
	ormara, tlocrtne oznake RO.K, izrađenog od PVC-a, s punim vratima opremljenim tipskom bravicom i DIN šinama. U ormar se ugrađuje dolje specificirana oprema tip "SCHNEIDER" ili jednakovrijedno, kako slijedi:														
	• strujna zaštitna sklopka 40A/0,03A/4p		• current protection switch 40A / 0.03 / 4p	kom.	0,00	1.350,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
	• instalacijski prekidač nazivne struje C16A/1p kao tip: iC60N ili jednakovrijedan		• circuit breaker rated current C16A / 1p as type iC60N or equivalent	kom.	0,00	35,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
	• instalacijski prekidač nazivne struje B16A/1p kao tip: iC60N ili jednakovrijedan		• circuit breaker rated current B16A / 1p as type iC60N or equivalent	kom.	0,00	35,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
	• instalacijski prekidač nazivne struje B10A/1p kao tip: iC60N ili jednakovrijedan		• circuit breaker rated current B10A / 1p as type iC60N or equivalent	kom.	0,00	35,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
	• instalacijski prekidač nazivne struje B6A/1p kao tip: iC60N ili jednakovrijedan		• circuit breaker rated current B6A / 1p as type iC60N or equivalent	kom.	0,00	35,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
	• redne stezaljke do 6mm2		• terminal blocks up to 6mm2	kom.	0,00	10,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
	• redne stezaljke do 2,5mm2		• terminal blocks up to 2.5mm2	kom.	0,00	10,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
	• L1,L2 i L3 izolirane igličaste tropolne sabirnice N i PE		• L1, L2 and L3 insulated needle-pole bus, N and PE busbars, insulators, terminals, conductors for wiring, connecting material, labels, nameplates, screws and fittings, equipment carriers, cover plates, lock the mask and keys and other small materials.												
	sabirnice, potporni izolatori, redne stezaljke, vodiči za ožičenje, spojni materijal, oznake, natpisne pločice, vijčani i spojni pribor, nosači opreme, pokrivne ploče, brava s maskom i ključevima te ostali sitni materijal.														
	Nudi se:		Offer:	kompl	0,00	600,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
3.2.	3.2. Dobava i polaganje energetskih kabela sa PVC izolacijom i PVC plaštem, prema donjoj specifikaciji. Kabeli se polažu u prethodno položenim PVC cijevima ili PVC kanalicama. U stavku uračunati obostrano spajanje kabela sa svim potrebnim priborom do pune funkcionalnosti.	G.3.2	Supply and installation of power cables with PVC insulation and PVC sheath, according to the lower specification. The cables are laid in the previously passed PVC pipes or PVC tiles. The sentence included mutually connecting cable with all necessary equipment to full functionality.												
	NYM 3x1,5mm2		NYM 3x1,5mm2	ml	32,00	12,00	384,00	0,00	0,00	32,00	384,00	0,00	0,00	32,00	384,00
	NYM 3x2,5mm2		NYM 3x2,5mm2	ml	30,00	15,00	450,00	28,00	420,00	28,00	420,00	0,00	0,00	28,00	420,00

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
						Jedinična	Ukupna	Količina	Sit. 12 (HRK)	Količina	Sit. 12 sveukupno (HRK)	Količina	Sit.Ok (HRK)	Količina	Sit. Ok sveukupno (HRK)
				Unit	Quantity	Rate	Amount								
1	2			3	4	5	6	13	14	15	16	13	14	15	16
	ELEKTROTEHNIČKI PROJEKT	G	**ELECTROTEHNICAL WORKS**												
3.3.	3.3. Dobava i ugradnja PVC kabelskih kanala dim. cca 100x60cm. Kanali se polažu u zgradi za osoblje pri stropu. U stavku uračunati fazonske komade, poklopce i montažni pribor.	**G.3.3**	Supply and installation of PVC cable channel dim. Approx 100x60cm. The channels are placed in the building for staff in the ceiling. The sentence included fittings, covers and mounting accessories.	m'	22,00	**110,00**	2.420,00	0,00	0,00	22,00	2.420,00	0,00	0,00	22,00	2.420,00
3.4.	3.4. Dobava i ugradnja PNT cijevi 02Omm, komplet sa nosačima i montažnim priborom. Cijevi se polažu u zgradi za osoblje u vertikalnom razvodu.	**G.3.4**	Supply and installation of PNT pipes Ø20mm, complete with brackets and mounts. The pipes are laid in the building for staff in the vertical divorce	m'	0,00	**30,00**	0,00	0,00	0,00		0,00	0,00	0,00		0,00
3.5.	3.5. Dobava i ugradnja PVC parapetnih kanala. Kanali se polažu u zgradi za osoblje iznad radnog stola. U stavku uračunati fazonske komade, poklopce i montažni pribor.	**G.3.5**	Supply and installation of PVC trunking. The channels are placed in the building for staff above the desk. The sentence included fittings, covers and mounting accessories.	m'	0,00	**100,00**	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
3.6.	3.6. Dobava, ugradnja i spajanje dvostrukih utičnica 16A/230V 2P+E za ugradnju u parapetni kanal.	**G.3.6**	Supply, installation and connection of the double socket 16A / 230V 2P + E for installation in trunking.	kom.	0,00	**120,00**	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
3.7.	3.7. Dobava, ugradnja i spajanje nadžbuknih utičnica 16A/230V 2P+E za ugradnju u zgradu za osoblje.	**G.3.7**	Supply, installation and connection of plaster socket 16A / 230V 2P + E for installation in the building for personnel	kom.	0,00	**90,00**	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
3.8.	3.8. Dobava, ugradnja i spajanje nadžbuknih sklopki 10A/230V 1P za ugradnju u zgradu za osoblje.	**G.3.8**	Supply, installation and connection of plaster switches 10A / 230V 1P for installation in the building for personnel	kom.	1,00	**90,00**	90,00	0,00	0,00	1,00	90,00	0,00	0,00	1,00	90,00
3.9.	3.9. Dobava, ugradnja i spajanje nadgradne stropne svjetiljke sa sjajnim rasterom i fluo izvorima svjetlosti 2x35W, kao tip Klino "INDORA" ili jednakovrijedan. Nudi se:	**G.3.9**	Supply, installation and connection of Vanity ceiling lamps with shiny grid and fluorescent light sources 2x35W, as type wedge "INDORA" or equivalent. Offer:	kom	2,00	**540,00**	1.080,00	0,00	0,00	0,00	0,00	2,00	1.080,00	2,00	1.080,00
3.10.	3.10. Dobava, ugradnja i spajanje nadgradne stropne svjetiljke u zaštiti min. IP44, klasa izolacije II, sa štednim izvorom svjetlosti.	**G.3.10**	Supply, installation and connection of Vanity ceiling lamps in protecting min. IP44, insulation class II, with saving light source.	kom	0,00	**300,00**	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
3.11.	3.11. Dobava, ugradnja i spajanje nadgradne zidne svjetiljke u zaštiti min. IP55, sa štednim izvorom svjetlosti.	**G.3.11**	Supply, installation and connection of Vanity wall lamps in protecting min. IP55, with saving light source.	kom	1,00	**320,00**	320,00	0,00	0,00	1,00	320,00	0,00	0,00	1,00	320,00
3.12.	3.12. Dobava i ugradnja svjetiljke nužne rasvjete, autonomije 1h rada, sa fluo izvorom svjetlosti 1x8W i piktogramom "IZLAZ". Svjetiljka mora biti u pripremnom spoju.	**G.3.12**	Delivery and installation of emergency lighting autonomy 1 hour of work, with a fluorescent light source 1x8W and pictogram "EXIT". The lamp must be in preparatory compound.	m1	1,00	**450,00**	450,00	0,00	0,00	1,00	450,00	0,00	0,00	1,00	450,00
3.13.	3.13. Spajanje strojarskih potrošača na prethodno položen napojni kabel, uključivo grijač vode, crpku za sanitarnu vodu, ormar R.S i klima jedinicu. U stavku uračunati sve radove i pribor do pune funkcionalnosti.	**G.3.13**	Connecting the mechanical consumer to previously laid the power cable, including water heater, pump hot water, wardrobe R, S and air unit. The sentence included all papers and accessories to full functionality.	kom	0,00	**100,00**	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
3.14.	3.14. Dobava i ugradnja zidnog nadgradnog razvodnog ormara, tlocrtne oznake R.S, izrađenog od lima, s punim vratima opremljenim tipskom bravicom. Na vrata ormara se ugrađuje dolje specificirana oprema za signalizacija stanja sa bazena za procjedne vode odnosno ormara RPV, kako slijedi: • tipkalo za isklop crpki 2A/230V, crveno • signalna svjetiljka 2A/230V crvena	**G.3.14**	Delivery and installation of wall the intermediate control cabinet layout marking R, S, made of steel, with full door equipped with a type lock. On the closet door is installed below specified equipment for signaling the state of the basin for leachate or closet PSF, as follows: • Push-button for switching off the pump 2A / 230V, red • signal light 2A / 230V red	kom. kom.	1,00 3,00	**600,00** **80,00**	600,00 240,00	1,00 3,00	600,00 240,00	1,00 3,00	600,00 240,00	0,00 0,00	0,00 0,00	1,00 3,00	600,00 240,00

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
						Jedinična	Ukupna	Količina	Sit. 12 (HRK)	Količina	Sit. 12 sveukupno (HRK)	Količina	Sit.Ok (HRK)	Količina	Sit. Ok sveukupno (HRK)
				Unit	Quantity	Rate	Amount								
1	2			3	4	5	6	13	14	15	16	13	14	15	16
	ELEKTROTEHNIČKI PROJEKT	**G**	**ELECTROTEHNICAL WORKS**												
	• signalna svjetiljka 2A/230V žuta		• signal light 2A / 230V yellow	kom.	1,00	**80,00**	80,00	1,00	80,00	1,00	80,00	0,00	0,00	1,00	80,00
	• biper zujalica za signaliziranje alarma		• beeper buzzer to signal alarm	kom.	0,00	**400,00**	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
	• vodiči za ožičenje, spojni materijal i slično		• guides for wiring, fittings and similar	kom.	1,00	**400,00**	400,00	1,00	400,00	1,00	400,00	0,00	0,00	1,00	400,00
			Offer:	kompl.	0,00	**1.720,00**	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
3.	**ELEKTROINSTALACIJA ZGRADE ZA OSOBLJE UKUPNO:**	**G.3**	**Electric installation of building for personnel TOTAL**				**6.514,00**		**1.740,00**		**5.404,00**		**1.080,00**		**6.484,00**
4.	**ELEKTROINSTALACIJA GARAŽE ZA KOMPAKTOR**	**G.4**	**Electric installation of garage for compactor**												
4.1.	4.1. Dobava i ugradnja zidnog nadgradnog razvodnog ormara, tlocrtne oznake RO.gk, izrađenog od lima, s punim vratima opremljenim tipskom bravicom i DIN šinama. Ormar dimenzija cca 800x600x230mm, u zaštiti IP55. U ormar se ugrađuje dolje specificirana oprema tip "SCHNEIDER" ili jednakovrijedno, kako slijedi:	**G.4.1**	Delivery and installation of wall the intermediate control cabinet layout tags RO.gk, made of steel, with full door equipped with a type lock and DIN rails. Wardrobe approx. 800x600x230mm, the protection IP55. The cabinet is installed below specified equipment type "Schneider" or equivalent, as follows:												
	• strujna zaštitna sklopka 63A/0,03A/4p kom. 1,00		• current protection switch 63A / 0.03 / 4p	kom.	1,00	**510,00**	510,00	1,00	510,00	1,00	510,00	0,00	0,00	1,00	510,00
	• rastavna sklopka 63A/3p sa naponskim okidačem kom. 1,00		• break switch 63A / 3p with Shunt	kom.	1,00	**2.300,00**	2.300,00	1,00	2.300,00	1,00	2.300,00	0,00	0,00	1,00	2.300,00
	• instalacijski prekidač nazivne struje C16A/3p iC60N ili jednakovrijedan		• circuit breaker rated current C16A / 3p as type iC60N or equivalent	kom.	4,00	**110,00**	440,00	4,00	440,00	4,00	440,00	0,00	0,00	4,00	440,00
	• instalacijski prekidač nazivne struje C16A/1p iC60N ili jednakovrijedan		• circuit breaker rated current C16A / 1p as type iC60N or equivalent	kom.	0,00	**32,00**	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
	• instalacijski prekidač nazivne struje B16A/1p iC60N ili jednakovrijedan		• circuit breaker rated current B16A / 1p as type iC60N or equivalent	kom.	4,00	**30,00**	120,00	4,00	120,00	4,00	120,00	0,00	0,00	4,00	120,00
	• instalacijski prekidač nazivne struje B10A/1p iC60N ili jednakovrijedan		• circuit breaker rated current B10A / 1p as type iC60N or equivalent	kom.	4,00	**30,00**	120,00	4,00	120,00	4,00	120,00	0,00	0,00	4,00	120,00
	• instalacijski prekidač nazivne struje C10A/3p iC60N ili jednakovrijedan		• circuit breaker rated current C10A / 3p as type iC60N or equivalent	kom.	3,00	**105,00**	315,00	1,00	105,00	1,00	105,00	0,00	0,00	1,00	105,00
	• instalacijski prekidač nazivne struje B6A/1p iC60N ili jednakovrijedan		• circuit breaker rated current B6A / 1p as type iC60N or equivalent	kom.	2,00	**30,00**	60,00	2,00	60,00	2,00	60,00	0,00	0,00	2,00	60,00
	• instalacijski prekidač nazivne struje B2A/1p iC60N ili jednakovrijedan		• circuit breaker rated current B2A / 1p as type iC60N or equivalent	kom.	4,00	**30,00**	120,00	4,00	120,00	4,00	120,00	0,00	0,00	4,00	120,00
	• signalna svjetiljka 2A/230V zelena		• signal light 2A / 230V green	kom.	3,00	**40,00**	120,00	3,00	120,00	3,00	120,00	0,00	0,00	3,00	120,00
	• udarnio gljivasto tipkalo za vrata (ili kućište) ormara, 1xCO kontaktom 230V, crvene boje, min. IP55		• Percussion mushroom push button for the door (or housing) closet, with 1xCO contact 230V, red, min. IP55	kom.	1,00	**330,00**	330,00	1,00	330,00	1,00	330,00	0,00	0,00	1,00	330,00
	• rastavna sklopka 25A/lp/230V za vrata ormara		• break switch 25A / 1p / 230V for cabinet doors	kom.	3,00	**430,00**	1.290,00	3,00	1.290,00	3,00	1.290,00	0,00	0,00	3,00	1.290,00
	• utičnica 16A 230V 2P+E za ormar IEC 309		• socket 16A 230V 2P+E for cabinet IEC 309	kom.	1,00	**200,00**	200,00	1,00	200,00	1,00	200,00	0,00	0,00	1,00	200,00
	• termostat za nadzor temperature TS140 jednakovrijedno		• thermostat temperature control TS140 or equivalent	kom.	1,00	**380,00**	380,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
	• higrotermostat za nadzor temperature HS3000 ili jednakovrijedno		• higrotermostat temperature control or HS3000 equivalent	kom.	1,00	**3.000,00**	3.000,00	1,00	3.000,00	1,00	3.000,00	0,00	0,00	1,00	3.000,00
	• otpornički grijač CR 90W/230V/50Hz		• resistive heater CR 90W / 230V / 50Hz	kom.	1,00	**950,00**	950,00	1,00	950,00	1,00	950,00	0,00	0,00	1,00	950,00
	• svjetiljka za ormar 11W/230V, sa magnetom		• Light cabinet 11W / 230V, with magnet	kom.	1,00	**230,00**	230,00	1,00	230,00	1,00	230,00	0,00	0,00	1,00	230,00
	• redne stezaljke do 10mm2		• terminal blocks up to 10mm2	kom.	4,00	**15,00**	60,00	4,00	60,00	4,00	60,00	0,00	0,00	4,00	60,00

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
						Jedinična	Ukupna	Količina	Sit. 12 (HRK)	Količina	Sit. 12 sveukupno (HRK)	Količina	Sit.Ok (HRK)	Količina	Sit. Ok sveukupno (HRK)
1	2			3	4	5	6	13	14	15	16	13	14	15	16
	ELEKTROTEHNIČKI PROJEKT	G	**ELECTROTEHNICAL WORKS**												
	• redne stezaljke do 2,5mm2 • L1,L2 i L3 izolirane igličaste tropolne sabirnice, N i PE sabirnice, potporni izolatori, redne stezaljke, vodiči za ožičenje, spojni materijal, oznake, natpisne pločice, vijčani i spojni pribor, nosači opreme, pokrivne ploče, brava s maskom i ključevima te ostali sitni materijal. Nudi se:		• terminal blocks up to 2.5mm2 • L1, L2 and L3 insulated needle-pole bus, N and PE busbars, insulators, terminals, conductors for wiring, connecting material, labels, nameplates, screws and fittings, equipment carriers, cover plates, lock the mask and keys and other small materials. Offer:	kom. kompl.	15,00 1,00	**7,00** **400,00**	105,00 400,00	15,00 1,00	105,00 400,00	15,00 1,00	105,00 400,00	0,00 0,00	0,00 0,00	15,00 1,00	105,00 400,00
4.2.	4.2. Dobava i polaganje 1kV fleksiblnih energetskih kabela sa HERP izolacijom i PVC plaštem, prema donjoj specifikaciji. Kabeli se polažu u prethodno položenim PK kanalima i PNT cijevima u garaži za kompaktor. U stavku uračunati obostrano spajanje kabela sa svim potrebnim priborom do pune funkcionalnosti.	**G.4.2**	Supply and laying of 1 kV power cables with flexible HERP insulation and PVC sheath, according to the lower specification. The cables are laid in the previously passed PK channels and PNT pipes in the garage for the compactor. The sentence included mutually connecting cable with all necessary equipment to full functionality.												
	• FG70R 3x1,5mm2		• FG70R 3x1,5mm2	m'	120,00	**11,00**	1.320,00	120,00	1.320,00	120,00	1.320,00	0,00	0,00	120,00	1.320,00
	• FG70R 3x2,5mm2		• FG70R 3x2,5mm2	m'	90,00	**15,00**	1.350,00	90,00	1.350,00	90,00	1.350,00	0,00	0,00	90,00	1.350,00
	• FG70R 5x2,5mm2		• FG70R 5x2,5mm2	m'	90,00	**20,00**	1.800,00	90,00	1.800,00	90,00	1.800,00	0,00	0,00	90,00	1.800,00
	• NHXH E30 2x1,5mm2		• NHXH E30 2×1,5mm2	m'	25,00	**22,00**	550,00	25,00	550,00	25,00	550,00	0,00	0,00	25,00	550,00
4.3.	4.3. Dobava i ugradnja limenih perforiranih kabelskih kanala (PKK) dimenzija na tipskim zidnim nosačima. Kanali se polaži po zidovima garaže pri stropu. U stavku uračunati sav potreban montažni pribor, fazonske komade i sl.	**G.4.3**	Supply and installation of perforated sheet metal cable channel (PKK) in size to a standard wall mounts. The channels are laid on the walls of the garage in the ceiling. The sentence included all the necessary mounting hardware, fittings and the like.												
	• PKK 100/50mm •		• PKK 100/50mm	m'	40,00	**105,00**	4.200,00	40,00	4.200,00	40,00	4.200,00	0,00	0,00	40,00	4.200,00
	• PKK 50/35mm		• PKK 50/35mm	m'	10,00	**80,00**	800,00	10,00	800,00	10,00	800,00	0,00	0,00	10,00	800,00
4.4.	4.4 Dobava i ugradnja PNT cijevi 020mm, komplet sa nosačima i montažnim priborom. Cijevi se polažu u garaži u vertikalnom razvodu.	**G.4.4**	Supply and installation of PNT pipes Ø20mm, complete with brackets and mounts. The pipes are laid in a garage in the vertical distribution	m'	70,00	**23,00**	1.610,00	65,00	1.495,00	65,00	1.495,00	0,00	0,00	65,00	1.495,00
4.5.	4.5. Dobava i ugradnja sabirnice za izjednačenje potencijala nadžbukne izvedbe Sabirnica mora imati mogućnost prihvata trake 30x3,5mm i do 10 vodiča presjeka 616mm2.	**G.4.5**	Supply and installation of bus Equipotential visible variations. The bus must be able to accept the tape 30x3,5mm and 10 guide section 6-16mm2	kom	1,00	**310,00**	310,00	1,00	310,00	1,00	310,00	0,00	0,00	1,00	310,00
4.6.	4.6. Dobava, ugradnja i spajanje nadžbuknih utičnica 16A/230V 2P+E za ugradnju u garažu.	**G.4.6**	Supply, installation and connection of plaster socket 16A / 230V 2P + E for installation in the garage.	kom.	5,00	**90,00**	450,00	4,00	360,00	4,00	360,00	0,00	0,00	4,00	360,00
4.7.	4.7. Dobava, ugradnja i spajanje nadžbuknih utičnica 16A/230V 3P+N+PE za ugradnju u garažu.	**G.4.7**	Supply, installation and connection of plaster socket 16A / 230V 3P + N + PE for installation in the garage.	kom.	5,00	**145,00**	725,00	4,00	580,00	4,00	580,00	0,00	0,00	4,00	580,00
4.8.	4.8. Dobava, ugradnja i spajanje nadgradne stropne svjetiljke u zaštiti min. IP66 i LED izvorima svjetlosti 1x59W kao tip FUTURA 2.5ft PC Al 8000/840 ili jednakovrijedan. Nudi se:	**G.4.8**	Supply, installation and connection of Vanity ceiling lamps in protecting min. IP66 and LED light sources 1x59W as type FUTURA 2.5ft PC Al 8000/840 or equivalent. Offer:	kom	9,00	**900,00**	8.100,00	9,00	8.100,00	9,00	8.100,00	0,00	0,00	9,00	8.100,00

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
						Jedinična	Ukupna	Količina	Sit. 12 (HRK)	Količina	Sit. 12 sveukupno (HRK)	Količina	Sit.Ok (HRK)	Količina	Sit. Ok sveukupno (HRK)
				Unit	Quantity	Rate	Amount								
1	2			3	4	5	6	13	14	15	16	13	14	15	16
	ELEKTROTEHNIČKI PROJEKT	**G**	**ELECTROTEHNICAL WORKS**												
4.9.	4.9. Dobava i ugradnja svjetiljke nužne rasvjete, autonomije 1h rada, sa fluo izvorom svjetlosti 1x11W i piktogramom "IZLAZ". Svjetiljka mora biti u pripremnom spoju, zaštita IP55.	**G.4.9**	Delivery and installation of emergency lighting autonomy 1 hour of work, with a fluorescent light source 1x11W and pictogram "EXIT". The lamp has to be in the preliminary junction, protection IP55.	m'	1,00	**400,00**	400,00	1,00	400,00	1,00	400,00	0,00	0,00	1,00	400,00
4.10.	4.10. Spajanje strojarskih potrošača na prethodno položen napojni kabel. U stavku uračunati sve radove i pribor do pune funkcionalnosti.	**G.4.10**	Connecting the mechanical consumer to previously laid the power cable. The sentence included all papers and accessories to full	kom	1,00	**400,00**	400,00	1,00	400,00	1,00	400,00	0,00	0,00	1,00	400,00
4.11.	4.11. Dobava, ugradnja i spajanje nadgradnog isklopnog tipkala za nužni isklop napajanja, u zaštiti min IP55, crvene boje, sa zamjenjivim prednjim stakalcem. Tipkalo mora biti opremljenom kontaktom 1xC/O 2A/230V.	**G.4.11**	Supply, installation and connection of the intermediate disconnecting push button for emergency switching off power to protect min IP55, red color, with removable front slides. Push button must be equipped contact 1xC / O 2A / 230V.	kom	1,00	**300,00**	300,00	1,00	300,00	1,00	300,00	0,00	0,00	1,00	**300,00**
4.12.	4.12. Dobava zelenožutih vodiča i izvedba povezivanja vodljivih dijelova na sabirnicu za uzemljenje. U stavku uračunati sav potreban spojni pribor i radove do pune funkcionalnosti.	**G.4.12**	Supply green-yellow guide and performance connectivity conductive parts earthed. In paragraph included all the necessary fittings and works up to full functionality.												
	• H07V-K 1x6mm2		• H07V-K 1x6mm2	m1	50	**10,00**	500,00	50,00	500,00	50,00	500,00	0,00	0,00	50,00	500,00
	• H07V-K 1x16mm2		• H07V-K 1x16mm2	m1	30	**20,00**	600,00	30,00	600,00	30,00	600,00	0,00	0,00	30,00	600,00
4.	**ELEKTROINSTALACIJA GARAŽE ZA KOMPAKTOR UKUPNO:**	**G.4**	**Electric installation of garage for compactor TOTAL**				**34.465,00**		**33.525,00**		**33.525,00**		**0,00**		**33.525,00**
	5. LPS (LIGH PROTECTED SYSTEM) GROMOBRAN GARAŽE ZA KOMPAKTOR	**G.5**	**LPS of garage for compactor**												
5.1.	5.1. Dobava i polaganje INOX trake P30x3,5mm Rf u betonski temelj garaže. Sve spojeve i odcjepe izvesti tipskim križnim INOX spojnicama "traka-traka" i obliti bitumenskim premazom.	**G.5.1**	The supply and laying of stainless steel strips P30x3,5mm Rf in the concrete foundation of the garage. All compounds are cleaved and implement a standard cross stainless steel fittings "strip-tape " and coated with bitumen coating.	m1	50	**48,00**	2.400,00	0,00	0,00	50,00	2.400,00	0,00	0,00	50,00	2.400,00
5.2.	5.2. Izrada odvojka (odcjepa) sa uzemljivača u temelju, prosječne dužine l=4m INOX trakom P30x3,5mm pomoću križne spojnice. Spoj obliti bitumenom.	**G.5.2**	Creating a branch (lateral lines) with a grounding in the basis, the average length l = 4m stainless steel strip P30x3,5mm by cross-coupling. The compound coated with bitumen.	kom	4	**220,00**	880,00	0,00	0,00	4,00	880,00	0,00	0,00	4,00	880,00
5.3.	5.3. Izvedba uzemljenja dostupnih i stranih vodljivih masa povezivanjem na traku uzemljivača. Spoj izvesti vijčano, tipskom spojnicom ili varenjem, komplet sa svim potrebnim materijalom.	**G.5.3**	The implementation of ground available and foreign conductive mass connecting the grounding strap. Compound perform screw, the type coupler or welding, complete with all necessary material.	kom	5	**100,00**	500,00	0,00	0,00	0,00	0,00	5,00	500,00	5,00	**500,00**
5.4.	Dobava i polaganje glavnih odvoda LPS-a izrađenih od	**G.5.4**	Supply and laying of main drains LPS made of stainless steel wire Ø8mm on a section of the measurement compounds to the roof (of reception lines). The sentence included and standard stainless steel wall brackets. The length of the drain is an average of 5m.												

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
						Jedinična	Ukupna	Količina	Sit. 12 (HRK)	Količina	Sit. 12 sveukupno (HRK)	Količina	Sit.Ok (HRK)	Količina	Sit. Ok sveukupno (HRK)
1	2			3	4	5	6	13	14	15	16	13	14	15	16
	ELEKTROTEHNIČKI PROJEKT	**G**	**ELECTROTEHNICAL WORKS**												
	INOX žice 08mm na dionici od mjernih spojeva do krova (prihvatnih vodova). U stavku uračunati i tipske INOX zidne nosače. Dužina odvoda iznosi prosječno 5m.			kom	4	**240,00**	960,00	4,00	960,00	4,00	960,00	0,00	0,00	4,00	960,00
5.5.	5.5. Polaganje glavnih odvoda LPS-a izrađenih od INOX trake	**G.5.5**	Laying the main drain LPS made of stainless steel strips P30x3,5mm the share of measuring compounds to the floor (ground fault). The sentence included and standard stainless steel wall brackets to the wall. Length of the line is Mean 3m.												
	P30x3,5mm na dionici od mjernih spojeva do poda (zemljospoj). U stavku uračunati i tipske INOX zidne nosače za zid. Dužina odvoda iznosi procječno 3m.			kom.	4,00	**300,00**	1.200,00	4,00	1.200,00	4,00	1.200,00	0,00	0,00	4,00	1.200,00
5.5.	Dobava i ugradnja tipske vertikalne zaštite glavnih odvoda LPS-a na dionici od poda do mjernog spoja. U stavku uračunati montažni pribor za ugradnju.	**G.5.5**	Supply and installation of vertical type of protection the main drain LPS on the section of the floor to the measurement circuit. The sentence included mounting accessories for installation.	kom.	4,00	**300,00**	1.200,00	4,00	1.200,00	4,00	1.200,00	0,00	0,00	4,00	1.200,00
5.6.	Dobava i polaganje krovnog sustava hvataljki - INOX žice 08mm na tipskim krovnim INOX nosačima prema tipu krovnog pokrova. Spojeve izvesti tipskim INOX spojnicama.	**G.5.6**	Supply and laying of roofing system clamps - Stainless steel wire Ø8mm on a standard stainless steel roof beams according to the type of roof covering. Compounds perform a standard stainless steel fittings.	m'	5,80	**300,00**	1.740,00	5,80	1.740,00	5,80	1.740,00	0,00	0,00	5,80	1.740,00
5.7.	Dobava materijala i izvedba mjernog spoja pomoću rastavne križne INOX spojnice "traka-žica".	**G.5.7**	Supply of materials and performance measurement circuit by disconnection of cross stainless steel fittings "strip-wire "	kom.	4,00	**200,00**	800,00	4,00	800,00	4,00	800,00	0,00	0,00	4,00	800,00
5.8.	Dobava materijala i izvedba spoja vertikalnog oluka na izvod sa uzemljivača pomoću tipske INOX obujmice za oluk.	**G.5.8**	The supply of materials and circuit design of the vertical gutters on a copy of the grounding using standard stainless steel gutter.	kom.	10,00	**130,00**	1.300,00	1,00	130,00	1,00	130,00	0,00	0,00	1,00	130,00
5.9.	Dobava materijala i izvedba spoja horizontalnih oluka na glavne odvode sustava LPS-a pomoću tipske INOX	**G.5.9**	Supply of materials and execution of joint horizontal gutters on the main drainage system LPS using standard stainless steel fittings.												
	spojnice.			kom.	10,00	**130,00**	1.300,00	10,00	1.300,00	10,00	1.300,00	0,00	0,00	10,00	1.300,00
5.	**LPS GARAŽE ZA KOMPAKTOR UKUPNO:**	**G.5**	**LPS of garage for compactor TOTAL**				**12.280,00**		**7.330,00**		**10.610,00**		**500,00**		**11.110,00**
6.	**ELEKTROINSTALACIJA VANJSKE RASVJETE**	**G.6**	**Electric installation of outdoor lighting**												
6.1.	Dobava, polaganje i obostrano spajanje 1kV fleksiblnih energetskih kabela sa HERP izolacijom i PVC plaštem, prema donjoj specifikaciji. Kabeli se polažu u PVC cijevi u zemljani rov na pješčanu posteljicu. PVC cijev je prethodno položena.	**G.6.1**	Supply, laying and mutually connecting 1 kV power cables with flexible HERP insulation and PVC sheath, according to the lower specification. The cables are laid in PVC pipe in the ditch on a sandy bed. PVC pipe previously placed.												
	• FG70R 5x6 mm2		• FG70R 5×6 mm2	m'	0,00	**40,00**	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
	• FG70R 5x10 mm2		• FG70R 5×10 mm2	m'	180,00	**58,00**	10.440,00	0,00	0,00	178,00	10.324,00	0,00	0,00	178,00	10.324,00
6.2.	Dobava i polaganje dvoslojnih korugiranih PVC/PEHD	**G.6.2**	Supply and laying of double wall corrugated PVC / HDPE pipes in pre-prepared earthen trench to the lower specification. The pipes must be made of polyethylene, with ribbed outer wall and an inner smooth, suitable for direct burial in the ground and concrete. All pipe to perform a standard connectors. All segments laid pipes must be equipped with a trailer for broaching metal cable.												
	cijevi u prethodno pripremljen zemljani rov prema donjoj specifikaciji. Cijevi moraju biti izrađene iz polietilena, sa vanjskom rebrastom stijenkom i unutrašnjom glatkom, pogodne za direktno polaganje u zemlju i beton. Sve spojeve cijevi izvesti tipskim spojnicama. Svi položeni segmenti cijevi moraju biti opremljeni metalnim foršpanom za provlačenje kabela.														
	• 1 x PVC 05Omm		• 1 × PVC Ø50mm	m'	180,00	**26,00**	4.680,00	0,00	0,00	170,00	4.420,00	0,00	0,00	170,00	4.420,00
6.3.	6.3. Dobava, polaganje i spajanje kabela za unutarnje	**G.6.3**	Supply, laying and connecting the internal wiring of lighting columns:												
	ožičenje stupova vanjske rasvjete:														
	• NYY (PP00-Y) 3x1,5 mm		• NYY (PP00-Y) 3×1,5 mm	m'	100,00	**11,00**	1.100,00	0,00	0,00	100,00	1.100,00	0,00	0,00	100,00	1.100,00

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
				Unit	Quantity	Jedinična Rate	Ukupna Amount	Količina	Sit. 12 (HRK)	Količina	Sit. 12 sveukupno (HRK)	Količina	Sit.Ok (HRK)	Količina	Sit. Ok sveukupno (HRK)
1	2			3	4	5	6	13	14	15	16	13	14	15	16
	ELEKTROTEHNIČKI PROJEKT	**G**	**ELECTROTEHNICAL WORKS**												
6.4.	6.4. Dobava, ugradnja i centriranje rasvjetnog stupova visine 10(10,9)m, konične osmerokutne izvedbe, vruće cinčanog, usadnog, za zonu vjetra 3, predviđenog za postavljanje nosača i svjetiljki vanjske rasvjete, kao tip KORS 2A-1000-3 "DALEKOVOD" ili jednakovrijedan. Vrh stupa zabrtviti. Obračun po komadu uključujući materijal i montažu u prethodno pripremljen temelj. Nudi se:	**G.6.4**	Supply, installation and centering lighting columns height 10 (10.9) m, conical octagonal performance, hot galvanized, threaded, for the wind zone 3, scheduled for installation bracket and lamp outdoor lighting, as well as the type of KORS 2A-1000-3 ' DALEKOVOD " or equivalent. Top column seal Calculation per piece including materials and installation of the pre-prepared foundation.	m'	4,00	**4.900,00**	19.600,00	0,00	0,00	4,00	19.600,00	0,00	0,00	4,00	19.600,00
6.5.	6.5. Dobava i ugradnja razdjelnice za stup vanjske rasvjete s ugrađenim D01 (E14) osiguračima. Razdjelnica mora imati mogućnost prihvata min. 3 kabela (ulaz / izlaz) broja žila i presjeka do 5x10mm2. Za zaštitu strujnih krugova svjetiljki na stupu razdjelnica mora biti opremljena sa min. 3 D01 osigurača nazivne struje 4A. Razdjelnica kao tip EKM 2050 "TYCO" ili jednakovrijedan. Nudi se:	**G.6.5**	Supply and installation of dividing the column exterior lighting with built-D01 (E14) fuses. The divide must be able to accept min. 3 cable (input / output) number of wires and sections to 5x10mm2. For protection circuitry lights on a pole divide must be equipped with min. 3 D01 fuse rated current of 4A. The divide as type EKM 2050 " TYCO " or equivalent. Offer	m'	4,00	**270,00**	1.080,00	0,00	0,00	4,00	1.080,00	0,00	0,00	4,00	1.080,00
6.6.	6.6. Dobava sitnog instalacijskog materijala (kabelskih završetaka, tuljaka i sl.), priprema kabela te spajanje kabela 5x6(10)mm2 na razdjelnicu u stupu ili ormaru. Obračun po komadu kabela, jednostrano.	**G.6.6**	Supply of small installation materials (cable terminals, sleeves, etc.), Preparing the cable and connecting cable 5x6 (10) mm2 to divide the pillar or closet. Calculation per piece of cable, one-sided.	kom	10,00	**370,00**	3.700,00	0,00	0,00	10,00	3.700,00	0,00	0,00	10,00	3.700,00
6.7.	6.7. Dobava i ugradnja konzole za montažu 2 reflektora na stup visine 10m, s zakretnim pločama rađenim prema tipu nuđenih reflektora zbog mogućnsoti zakretanja reflektora po horizntalnoj osi. Materijal izrade željezio štićeno vrućim cinčanjem, sav pročvrsni i ostali pribor mora biti antikorozivno štićen lli od nehrđajućeg materijala.	**G.6.7**	Supply and mounting brackets 2 reflectors on a pole height of 10m, with swivel plates made according to the type of tendered limelight because it enables rotation reflector per horizontal axis. Material iron access manned by hot dip galvanizing, all fixing and other accessories must be protected by anti-corrosion or stainless	kom	4,00	**270,00**	1.080,00	0,00	0,00	4,00	1.080,00	0,00	0,00	4,00	1.080,00

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
						Jedinična	Ukupna	Količina	Sit. 12 (HRK)	Količina	Sit. 12 sveukupno (HRK)	Količina	Sit.Ok (HRK)	Količina	Sit. Ok sveukupno (HRK)
				Unit	Quantity	Rate	Amount								
1	2			3	4	5	6	13	14	15	16	13	14	15	16
	ELEKTROTEHNIČKI PROJEKT	**G**	**ELECTROTEHNICAL WORKS**												
6.8.	6.8. Dobava, ugradnja i spajanje nadgradne svjetiljke	**G.6.8**	Supply, installation and connection of luminaires reflector, a source LED, aluminum housing, powder painted, silicone seal, tempered glass, IP66 protection, swivel bracket, lifespan L70 (70% of nominal light output) 130000h.												
	reflektora, izvor LED, aluminijsko kućište prašno bojano, silikonska brtva, kaljeno staklo, zaštita IP66, zakretni nosač, životni vijek L70 (za 70% nominalnog svjetlosnog toka) 130000h.														
	Karakteristike izvora:		Characteristics of origin:												
	- asimetrična optika		- Asymmetric optics												
	- iskoristivi (realni) svjetlosni tok > 23770 lm		- Usable (real) luminous flux ≥ 23 770 lm												
	- svjetlotehnička efikasnost svjetiljke > 99lm/W		- Light-efficiency lamps ≥ 99lm / W												
	- ukupna snaga (LED modul + predspoj) < 238 W		- Total power (LED module + gear) ≤ 238 W												
	- boja svjetlosti < 4000K		- Color light ≤ 4000K												
	- CRI (Ra) > 70		- CRI (Ra) ≥ 70												
	Svjetiljka sa ENEC certifikatom, proizvođač mora		Flashlight with ENEC certification, the manufacturer must have a certificate of ISO9001,												
	posjedovati cerifikat ISO9001,		all such type Guell 3 A / W ," SBP "" or equivalent.												
	sve kao tip: GUELL 3 A/W "SBP" ili jednakovrijedan														
	Nudi se:			kom	8,00	**6.750,00**	54.000,00	0,00	0,00	8,00	54.000,00	0,00	0,00	8,00	54.000,00
6.9.	6.9. Dobava i polaganje INOX trake P30x3,5mm Rf uz kabel	**G.6.9**	The supply and laying of stainless steel strips P30x3,5mm RF cable with outdoor lighting, previously prepared in an earthen trench, complete with stainless steel fittings and accessories.												
	vanjske rasvjete, u prethodno pripremljen zemljani rov, komplet sa INOX spojnicama i priborom.			m1	60,00	**46,00**	2.760,00	0,00	0,00	60,00	2.760,00	0,00	0,00	60,00	2.760,00
6.10.	6.10. Dobava INOX trake P30x3,5mm Rf i izvedba uzemljenja	**G.6.10**	The supply of stainless steel strips P30x3,5mm Rf and execution ground pillars of external lighting by connecting the grounding screw pillar and ground electrode in a trench. The sentence included stainless steel cross-coupling, "tape-strip", "tape l = 2m, and small installation supplies and accessories.												
	stupa vanjske rasvjete povezivanjem na vijak za uzemljenje stupa i uzemljivač u rovu. U stavku uračunati križnu INOX spojnicu "traka-traka", traku l=2m, te sitan instalacijski materijal i pribor			kompl	4,00	**160,00**	640,00	0,00	0,00	4,00	**640,00**	0,00	0,00	4,00	**640,00**
6.11.	6.11. Podešavanje (usmjeravanje) reflektora u skladu sa	**G.6.11**	Setting the (routing) reflector in accordance with the project and the results of measurements of illumination on the ground. The sentence included the measurement of illumination before and after fine tuning lamps.												
	projektom i rezultatima mjerenja rasvijetljenosti na terenu. U stavku uračunati mjerenje rasvjetljenosti prije i poslije finog ugađanja svjetiljki.			kompl	1,00	**2.000,00**	2.000,00	0,00	0,00	0,00	0,00	1,00	2.000,00	1,00	2.000,00
6.	**ELEKTROINSTALACIJA VANJSKE RASVJETE UKUPNO:**	**G.6**	**Electric installation of outdoor lighting TOTAL**				**101.080,00**		**0,00**		**98.704,00**		**2.000,00**		**100.704,00**
7.	**7. INTEGRALNO UZEMLJENJE**	**G.7**	**Integral grounding**												
7.1.	7.1. Dobava i polaganje INOX trake P30x3,5mm Rf u	**G.7.1**	The supply and laying of stainless steel strips P30x3,5mm R in previously prepared soil trench along the ducts and energy for grounding available and foreign conductive parts (metal masses) in the building. All compounds perform a standard cross stainless steel fittings "strip-tape " and coated bitumen coating.												

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
						Jedinična	Ukupna	Količina	Sit. 12 (HRK)	Količina	Sit. 12 sveukupno (HRK)	Količina	Sit.Ok (HRK)	Količina	Sit. Ok sveukupno (HRK)
				Unit	Quantity	Rate	Amount								
1	2			3	4	5	6	13	14	15	16	13	14	15	16
	ELEKTROTEHNIČKI PROJEKT	**G**	**ELECTROTEHNICAL WORKS**												
	prethodno pripremljen zemljani rov uz kabelsku kanalizaciju energetike i za uzemljenje dostupnih i stranih vodljivih dijelova (metalnih masa) na građevini. Sve spojeve izvesti tipskim križnim INOX spojnicama "traka-traka" i obliti bitumenskim premazom.			m1	225,00	**46,00**	10.350,00	0,00	0,00	225,00	10.350,00	0,00	0,00	225,00	10.350,00
7.2.	7.2. Izrada odcjepa sa uzemljivača u rovu, prosječne dužine l=2,5m INOX trakom P30x3,5mm Rf pomoću križne spojnice (uzemljenje vodljivih dijelova, uvodi u zdence i slično). Spoj obliti bitumenom.	**G.7.2**	Development of lateral lines with grounding in the trenches, the average length l = 2.5m stainless steel strip P30x3,5mm Rf by cross-coupling (grounding conductive parts, introduced in wells, etc.). The compound coated with bitumen.	kom	0,00	**155,00**	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
7.3.	7.3. Izvedba uzemljenja dostupnih i stranih vodljivih masa povezivanjem na prethodno izvedene izvode sa trake uzemljivača. Spoj izvesti vijčano, tipskom spojnicom ili varenjem, komplet sa svim potrebnim materijalom.	**G.7.3**	The implementation of ground available and foreign conductive mass connectivity to previously made copies of the tapes grounding. Compound perform screw, the type coupler or welding, complete with all necessary material.	kom	35,00	**150,00**	5.250,00	25,00	3.750,00	35,00	5.250,00	0,00	0,00	35,00	5.250,00
7.4.	7.4. Dobava materijala i izvedba uzemljenja (izjednačenja potencijala) dostupnih i stranih vodljivih masa povezivanjem zeleno-žutim vodičem tip H07V-K 1x6mm2. Spoj izvesti vijčano, tipskom spojnicom, komplet sa svim potrebnim materijalom. Dužina vodiča cca. 5m po spoju.	**G.7.4**	Supply of materials and execution ground (potential equalization) available and foreign conductive mass connecting green-yellow conductor type H07V-K 1x6mm2. Compound perform screw, the type coupler, complete with all necessary material. Cable length approx. 5m per joint.	kom	20,00	**70,00**	1.400,00	9,00	630,00	20,00	1.400,00	0,00	0,00	20,00	1.400,00
7.5.	7.5. Dobava materijala i izvedba uzemljenja (izjednačenja potencijala) dostupnih i stranih vodljivih masa povezivanjem zeleno-žutim vodičem tip H07V-K 1x6mm2. Spoj izvesti vijčano, tipskom spojnicom, komplet sa svim potrebnim materijalom. Dužina vodiča cca. 5m po spoju.	**G.7.5**	Supply of materials and execution ground (potential equalization) available and foreign conductive mass connecting green-yellow conductor type H07V-K 1x6mm2. Compound perform screw, the type coupler, complete with all necessary material. Cable length approx. 5m per joint.	kom	0,00	**70,00**	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
7.6.	7.6. Dobava materijala i izvedba uzemljena ograde odlagališta na propisanim razmacima u skladu sa projektnom dokumentacijom. U stavku je uračunata niže specificirana opremna i materijal, sa ugradnjom, uključivo zabijanje štapnog uzemljivača (alt. bušenje), iskop jame i ugradnja uzemnog zdenca te ostali radovi do pune funkcionalnosti. • uzemni PEHD zdenac 30x30x30cm - 1 kom • štapni (palični) uzemljivač 012mm, l=2m - 1 kom	**G.7.6**	Supply of materials and execution grounded fence landfill at prescribed intervals in accordance with project documentation. The item is included below specified outfitting and material, with the installation, including nailing ground rod electrode (alt. Drilling), excavation pits and installation of the grounding wells and other work to full • grounding HDPE well 30x30x30cm - 1 pc • rod (stick) earthing Ø12mm, l = 2m - 1 pc											

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
				Unit	Quantity	Jedinična Rate	Ukupna Amount	Količina	Sit. 12 (HRK)	Količina	Sit. 12 sveukupno (HRK)	Količina	Sit.Ok (HRK)	Količina	Sit. Ok sveukupno (HRK)
1	2			3	4	5	6	13	14	15	16	13	14	15	16
	ELEKTROTEHNIČKI PROJEKT	G	**ELECTROTEHNICAL WORKS**												
	• INOX traka P30x3,5mm Rf, l=3m - 1 kom • križna INOX spojnica - 1 kom • INOX spojnica (obujmica) za stup ograde - 1 kom • sitni spojni materijal i pribor - 1 kompl		• Stainless steel strip P30x3,5mm Rf, l = 3m - 1 pc • Stainless steel cross-coupling - 1 pc • Stainless steel joints (clip) for a fence - 1 pc • small fittings and accessories - 1 set	kompl.	15,00	**3.000,00**	45.000,00	0,00	0,00	15,00	45.000,00	0,00	0,00	15,00	45.000,00
7.7.	7.7. Dobava i ugradnja sklopa za odvođenje statičkog elektriciteta i uzemljenje auto cisterne prilikom punjenja spremnika dizel agregata, kao tip SKX 15/41 ST "TEPEx" ili jednakovrijedan.	G.7.7	Delivery and installation assembly for dissipating static electricity and ground car tanks during refueling of diesel generators, as well as type SKX 15/41 ST "TEPEx" or equivalent.	kom	1,00	**2.400,00**	2.400,00	0,00	0,00	1,00	2.400,00	0,00	0,00	1,00	2.400,00
7.	**INTEGRALNO UZEMLJENJE UKUPNO:**	G.7	**Integral grounding TOTAL**				**64.400,00**		**4.380,00**		**64.400,00**		**0,00**		**64.400,00**
8.	**UZEMLJENJE BAZENA**	G.8	**Grounding of reservoirs**												
8.1.	8.1. Dobava i polaganje INOX trake P30x3,5mm Rf u prethodno pripremljen zemljani rov perilište kotača i za uzemljenje dostupnih i stranih vodljivih dijelova masa) u perilištu. Sve spojeve izvesti tipskim križnim INOX spojnicama "traka-traka" i obliti bitumenskim premazom.	**G.8.1**	The supply and laying of stainless steel strips P30x3,5mm R in previously prepared soil trench wash area wheel and grounding available and foreign conductive parts (metal masses) in wash area. All compounds perform a standard cross stainless steel fittings "strip-tape " and coated with bitumen coating .	ml	0,00	**47,00**	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
8.2.	8.2. Dobava i polaganje INOX trake P30x3,5mm Rf u betonske temelje, zidove i stropove bazena za procjedne i oborinske vode te temelje kolne vage. Sve spojeve izvesti tipskim križnim INOX spojnicama "traka-traka" i obliti bitumenskim premazom.	**G.8.2**	The supply and laying of stainless steel strips P30x3,5mm Rf in concrete foundations, walls and ceilings of the pool for leachate and storm water and based vehicular balances. All compounds perform a standard cross stainless steel fittings "strip-tape " and coated with bitumen coating.	ml	60,00	**47,00**	2.820,00	0,00	0,00	55,00	2.585,00	0,00	0,00	55,00	2.585,00
8.3.	8.3. Izrada odcjepa sa uzemljivača u rovu ili betonu, prosječne dužine l=2,5m INOX trakom P30x3,5mm Rf pomoću križne spojnice (uzemljenje vodljivih dijelova i slično). Spoj obliti bitumenom	**G.8.3**	Development of lateral lines with grounding in the trenches or concrete, the average length l = 2.5m stainless steel strip P30x3,5mm Rf by cross-coupling (grounding conductive parts, etc.). The compound coated with bitumen.	kom	0,00	**155,00**	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
8.4.	8.4. Izvedba uzemljenja dostupnih i stranih vodljivih masa povezivanjem na prethodno izvedene izvode sa trake uzemljivača Spoj izvesti vijčano, tipskom spojnicom ili varenjem, komplet sa svim potrebnim materijalom.	**G.8.4**	The implementation of ground available and foreign conductive mass connectivity to previously made copies of the tapes grounding. Compound perform screw, the type coupler or welding, complete with all necessary material.	kom	0,00	**150,00**	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
8.5.	8.5. Dobava materijala i izvedba uzemljenja (izjednačenja	**G.8.5**	Supply of materials and execution ground (potential equalization) available and foreign conductive mass connecting green-yellow conductor type H07V-K 1x6mm2. Compound perform screw, the type coupler, complete with all necessary material. Cable length approx. 5m per joint.												

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
				Unit	Quantity	Jedinična Rate	Ukupna Amount	Količina	Sit. 12 (HRK)	Količina	Sit. 12 sveukupno (HRK)	Količina	Sit.Ok (HRK)	Količina	Sit. Ok sveukupno (HRK)
1	2			3	4	5	6	13	14	15	16	13	14	15	16
	ELEKTROTEHNIČKI PROJEKT	**G**	**ELECTROTEHNICAL WORKS**												
	potencijala) dostupnih i stranih vodljivih masa povezivanjem zeleno-žutim vodičem tip H07V-K 1x6mm2. Spoj izvesti vijčano, tipskom spojnicom, komplet sa svim potrebnim materijalom. Dužina vodiča cca 5m po spoju.			kom	0,00	**70,00**	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
8.6.	8.6. Dobava materijala i izvedba uzemljenja (izjednačenja potencijala) dostupnih i stranih vodljivih masa povezivanjem zeleno-žutim vodičem tip H07V-K 1x6mm2. Spoj izvesti vijčano, tipskom spojnicom, komplet sa svim potrebnim materijalom. Dužina vodiča cca. 5m po spoju.	**G.8.6**	Supply of materials and execution ground (potential equalization) available and foreign conductive mass connecting green-yellow conductor type H07V-K 1x6mm2. Compound perform screw, the type coupler, complete with all necessary material. Cable length approx. 5m per joint.	kom	0,00	**70,00**	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
8.	**UZEMLJENJE BAZENA UKUPNO:**	**G.8**	**Grounding of reservoirs TOTAL**				**2.820,00**		**0,00**		**2.585,00**		**0,00**		**2.585,00**
9.	**GRAĐEVINSKI RADOVI**	**G.9**	**Construction works**												
9.1.	9.1 Trasiranje rova - obilježavanje trasa polaganja kabela, kabelskih zdenaca i temelja stupova vanjske rasvjete. Trasa je vođena na tlu. m' 250,00 2,00 500,00	**G.9.1**	Tracing the trench - marking the route of cable laying, cable wells and foundations of the pillars of external lighting. The course is conducted on the ground.	m1	250,00	**2,00**	500,00	0,00	0,00	240,00	480,00	0,00	0,00	240,00	**480,00**
9.2.	9.2. Iskop rova za polaganje kabela i cijevi elektroinstalacija (NN,VR), bez obzira na kategoriju terena, s planiranjem dna kanala, dimezija 60xi00cm (Šx V) s pravilnim zasjecima bočnih strana. Materijal iz iskopa odlagati na stranu min 1m od ivice rova. m' 15,00 40,00 600,00	**G.9.2**	Excavation of trench for laying cables and pipes for electrical installations (OG, VR), regardless of the category of the terrain, with planning bottom of the trench, dimensions 60 x 100 cm (W x H) with the correct cuts the sides. Material from excavation disposed on the side min 1m from the edge trench	m1	15,00	**70,00**	1.050,00	0,00	0,00	15,00	1.050,00	0,00	0,00	15,00	1.050,00
9.3.	9.3. Iskop rova za polaganje kabela i cijevi elektroinstalacija (NN,VR), bez obzira na kategoriju terena, s planiranjem dna kanala, dimezija 40-60x80cm (Š x V) s pravilnim zasijecima bočnih strana. Materijal iz iskopa odlagati na stranu min 1m od ivice rova.	**G.9.3**	Excavation of trench for laying cables and pipes for electrical installations (OG, VR), regardless of the category of the terrain, with planning bottom of the channel dimensions 40-60 × 80 cm (W x H) with the correct cuts the sides. Material from excavation disposed on the side min 1m from the edge of the trench.	m1	225,00	**60,00**	13.500,00	0,00	0,00	225,00	13.500,00	0,00	0,00	225,00	13.500,00
9.4.	9.4. Dobava i doprema betona C16/20 te izrada zaštitnog sloja iznad prethodno položenih cijevi i kabela u prometnoj površini.	**G.9.4**	The supply and delivery of concrete C16 / 20 and creating a protective layer over the previously laid pipes and cables in a busy area.	m3	1,92	**800,00**	1.536,00	0,00	0,00	1,92	1.536,00	0,00	0,00	1,92	1.536,00
9.5.	9.5. Dobava i polaganje pijeska 0-4 mm u kabelski kanal u slojevima 10 cm ispod i 20 cm iznad cijevi s laganim nabijanjem.	**G.9.5**	The supply and laying of sand 0-4 mm in the cable channel in layers of 10 cm below and 20 cm above the pipe with a slight ramming.	m3	37,00	**150,00**	5.550,00	0,00	0,00	36,62	5.493,00	0,00	0,00	36,62	5.493,00

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
						Jedinična	Ukupna	Količina	Sit. 12 (HRK)	Količina	Sit. 12 sveukupno (HRK)	Količina	Sit.Ok (HRK)	Količina	Sit. Ok sveukupno (HRK)
				Unit	Quantity	Rate	Amount								
1	2			3	4	5	6	13	14	15	16	13	14	15	16
	ELEKTROTEHNIČKI PROJEKT	**G.**	**ELECTROTEHNICAL WORKS**												
9.6.	9.6. Zatrpavanje ostatka kabelskog kanala dimenzija 60x100 cm, sa strojnim nabijanjem i ispitivanjem zbijenosti. Zatrpavanje se vrši u slojevima zbog postavljanja uzemljivača i trake upozorenja. Stavka obuhvaća i odvoz preostalog krupnog materijala nakon zatrpavanja.	**G.9.6**	Filling the rest of the cable channel dimensions 60 × 100 cm, with mechanical compaction and compaction testing. Filling is done in layers over the placement and grounding straps warning. The item also includes the removal of the remaining coarse material after backfilling	m1	15,00	**20,00**	300,00	0,00	0,00	15,00	300,00	0,00	0,00	15,00	300,00
9.7.	9.7. Zatrpavanje ostatka kabelskog kanala dimenzija 60x80 cm, sa strojnim nabijanjem i ispitivanjem zbijenosti. Zatrpavanje se vrši u slojevima zbog postavljanja uzemljivača i trake upozorenja. Stavka obuhvaća i odvoz preostalog krupnog materijala nakon zatrpavanja.	**G.9.7**	Filling the rest of the cable channel dimensions 60 × 80 cm, with mechanical compaction and compaction testing. Filling is done in layers over the placement and grounding straps warning. The item also includes the removal of the remaining coarse material after backfilling.	m1	225,00	**20,00**	4.500,00	0,00	0,00	225,00	4.500,00	0,00	0,00	225,00	4.500,00
9.8.	9.8. Plastična upozoravajuća traka "POZOR-ENERGETSKI KABEL" položena iznad kabela i cjevi u rovovima u dva sloja.	**G.9.8**	The plastic warning tape, "CAUTION-POWER CABLE" "placed above the cables and pipes in the trenches in two layers.	m1	430,00	**2,80**	1.204,00	425,00	1.190,00	425,00	1.190,00	0,00	0,00	425,00	1.190,00
9.9.	9.9. Dobava i ugradnja montažnog betonskog zdenca orjentacijskih dim. 0,8x0,8x0,8m (D x Š x V) s ljevano-željeznim poklopcem 125kN. Poklopac isporučiti sa odgovarajućim natpisom "ELEKTRO" . Stavka obuhvaća iskop jame potrebne veličine za ugradnju, odvoz viška materijala, pripremu podloge (zbijanje i sl), postavljanje zdenca, uvlačenje PVC cijevi komplet s uvodnicama i zatrpavanje jame. Nakon uvlačenja cijevi otvor je potrebno vodonepropusno zabrtviti.	**G.9.9**	Supply and installation of prefabricated concrete orientation wells dim. 0.8 × 0.8 × 0.8 m (L x W x H) with cast-iron lid 125kN. The cover supplied with the appropriate inscription " ELECTRIC ". The item includes excavation pits the required size for the installation, removal of excess material, surface preparation (compaction, etc.), setting the well, retractable PVC tube set with sealing and backfilling of the pit. After feeding tube opening is required watertight seal.	kom	10,00	**4.250,00**	42.500,00	0,90	3.825,00	9,90	42.075,00	0,00	0,00	9,90	42.075,00
9.10.	9.10. Izrada betonskog temelja dimenzije 100 x 100 x 120cm za usadni stup javne rasvjete h=10m, komplet sa trasiranjem, iskopom jame za temelj bez obzira na kategoriju zemljišta, betoniranjem betonom C30/37, ugradnja 2 PVC cijevi 050mm / l=4m i koljena F125mm te ugradnja armature od betonskog željeza.	**G.9.10**	Making concrete foundation dimensions 100 x 100 x 120cm for stud public illumination column h = 10m, complete with tracing, a pit excavated for the foundation regardless of the category of land, concreting concrete C30 / 37, the installation of two PVC pipes Ø 50 mm / l = 4m and knees F125mm and installation reinforcement of concrete iron.	kom	4,00	**1.100,00**	4.400,00	4,00	4.400,00	4,00	4.400,00	0,00	0,00	4,00	4.400,00
9.11.	9.11. Dobava i doprema podložnog betona betona C20/25 te	**G.9.11**	The supply and delivery of the underlying concrete C20 / 25 and the production of spacer plates 10 cm thick in the pits beneath the cable wells and foundations of the pillars of external lighting.												

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
						Jedinična	Ukupna	Količina	Sit. 12 (HRK)	Količina	Sit. 12 sveukupno (HRK)	Količina	Sit.Ok (HRK)	Količina	Sit. Ok sveukupno (HRK)
				Unit	Quantity	Rate	Amount								
1	2			3	4	5	6	13	14	15	16	13	14	15	16
	ELEKTROTEHNIČKI PROJEKT	**G**	**ELECTROTEHNICAL WORKS**												
	izrada podložne ploče debljine 10cm u jamama ispod kabelskih zdenaca i temelja stupova vanjske rasvjete.			m3	1,00	**1.000,00**	1.000,00	1,30	1.300,00	1,30	1.300,00	0,00	0,00	1,30	1.300,00
9.	**GRAĐEVINSKI RADOVI UKUPNO:**						**76.040,00**		**10.715,00**		**75.824,00**		**0,00**		**75.824,00**
10.	**ISPITIVANJE INSTALACIJE I TEHNIČKA DOKUMENTACIJA**														
10.1.	10.1. Ispitivanje instalacije jake struje u skladu sa normom HRN HD 60364-6 uključujući ispitivanje zaštite u slučaju kvara, otpora izolacije i rasvjetljenosti, te izdavanje zapisnika o ispitivanju.	**G.10.1**	Testing installations strong currents in accordance with HRN HD 60364-6 including testing of protection in case of a breakdown, insulation resistance and illumination, as well as publishing the minutes of questioning.	komp	1,00	**4.500,00**	4.500,00	0,00	0,00	0,00	0,00	1,00	4.500,00	1,00	4.500,00
10.2.	10.2. Ispitivanje prohodnosti (kalibracija) postavljenih cijevi i izdavanje zapisnika o ispitivanju.	**G.10.2**	Examination of mobility (calibration) standing pipes and issuing the minutes of questioning.	kom	1,00	**2.000,00**	2.000,00	0,00	0,00	0,00	0,00	1,00	2.000,00	1,00	2.000,00
10.3.	10.3. Ispitivanje uzemljenja i sustava zaštite od munje sukladno Tehničkom propisu za sustave zaštite od djelovanja munje na građevinama (NN 87/08).	**G.10.3**	Testing of grounding and lightning protection systems in accordance with the Technical Regulations for systems of protection from the effects of lightning on buildings (OG 87/08).	komp.	1,00	**2.000,00**	2.000,00	0,00	0,00	0,00	0,00	1,00	2.000,00	1,00	2.000,00
10.4.	10.4. Projekt izvedenog stanja (projekt sa svim ucrtanim izmjenama i dopunama sukladno stvarno izvedenom stanju) izrađen u 3 primjerka, te izrada i predaja dokumentacije programske opreme u papirnatom i elektronskom obliku (3 kompleta primjeraka).	**G.10.4**	Built design (the project with all the marked changes and amendments in accordance with the actual state) made in three copies, and the development and delivery of software documentation in paper and electronic form (3 sets of copies).	komp.	1,00	**2.500,00**	2.500,00	0,00	0,00	0,00	0,00	1,00	2.500,00	1,00	2.500,00
10.5.	10.5. Geodetski snimak svih izvedenih instalacija te pozicija zdenaca i stupova. Izrada geodetskog elaborata u 3 primjerka i u elektroničkom formatu, sve u formi kojom je omogućen upis infrastrukture u katastar vodova.	**G.10.5**	Geodetic survey of all derivative positions and installation of wells and columns. Creating geodetic report in 3 copies and in electronic format, all in the form to enable the entry of infrastructure in cadaster lines.	kom	1,00	**3.500,00**	3.500,00	0,00	0,00	0,00	0,00	1,00	3.500,00	1,00	3.500,00
10.	**ISPITIVANJE INSTALACIJE I TEHNIČKA**	**G.10**	**Installation tests and technical documentation TOTAL**												
	DOKUMENTACIJA UKUPNO:						**14.500,00**		**0,00**		**0,00**		**14.500,00**		**14.500,00**
	SVEUKUPNO ELEKTROTEHNIKA	**G**	**ELECTROTECHNICAL WORKS**				**576.265,00**		**91.841,00**		**540.460,00**		**30.120,00**		**570.580,00**
7.	**ELEKTROTEHNIČKI PROJEKT**	**G**	**ELECTROTECHNICAL WORKS**												
	ELEKTROINSTALACIJE														

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
						Jedinična	Ukupna	Količina	Sit. 12 (HRK)	Količina	Sit. 12 sveukupno (HRK)	Količina	Sit.Ok (HRK)	Količina	Sit. Ok sveukupno (HRK)
				Unit	Quantity	Rate	Amount								
1	2			3	4	5	6	13	14	15	16	13	14	15	16
	ELEKTROTEHNIČKI PROJEKT	G	ELECTROTEHNICAL WORKS												
	REKAPITULACIJA		TOTAL SUMMARY				Ukupna cijena [HRK]								
VII	ELEKTROTEHNIČKI PROJEKT - ELEKTROINSTALACIJE	G	ELECTROTECHNICAL WORKS												
1.	AGREGATSKA STANICA	G.1	GENERATOR STATION			63	157.400,00		3.360,00		148.360,00		9.040,00		157.400,00
2.	GLAVNI RAZVOD SNAGE	G.2	MAIN POWER DISTRIBUTTION			66	106.766,00		30.791,00		101.048,00		3.000,00		104.048,00
3.	ELEKTROINSTALACIJA ZGRADE ZA OSOBLJE	G.3	ELECTRIC INSTALLATION OF BUILDING FOR PERSONNEL			69	6.514,00		1.740,00		5.404,00		1.080,00		6.484,00
4.	ELEKTROINSTALACIJA GARAŽE ZA KOMPAKTOR	G.4	ELECTRIC INSTALLATION OF GARAGE FOR COMPACTOR			71	34.465,00		33.525,00		33.525,00		0,00		33.525,00
5.	LPS GARAŽE ZA KOMPAKTOR	G.5	LPS OF GARAGE FOR COMPACTOR			74	12.280,00		7.330,00		10.610,00		500,00		11.110,00
6.	ELEKTROINSTALACIJA VANJSKE RASVJETE	G.6	ELECTRIC INSTALLATION OF OUTDOOR LIGHTING			75	101.080,00		0,00		98.704,00		2.000,00		100.704,00
7.	INTEGRALNO UZEMLJENJE	G.7	INTEGRAL GROUNDING			78	64.400,00		4.380,00		64.400,00		0,00		64.400,00
8.	UZEMLJENJE BAZENA	G.8	GROUNDING OF RESERVOIRS			79	2.820,00		0,00		2.585,00		0,00		2.585,00
9.	GRAĐEVINSKI RADOVI	G.9	CONSTRUCTION WORKS			80	76.040,00		10.715,00		75.824,00		0,00		75.824,00
10.	ISPITIVANJE INSTALACIJE I TEHNIČKA DOKUMENTACIJA	G.10	INSTALLATION TESTS AND TECHNICAL DOCUMENTATION			82	14.500,00		0,00		0,00		14.500,00		14.500,00
	SVEUKUPNO	G	ELECTROTECHNICAL WORKS SUMMARY				576.265,00		91.841,00		540.460,00		30.120,00		570.580,00

Redni br. stavke	Opis stavke	Item No.	Item description	Jed. mjere	Količina	Cijena [HRK]	Cijena [HRK]	SITUACIJA 12				OKONČANA SITUACIJA			
						Jedinična	Ukupna	Količina	Sit. 12 (HRK)	Količina	Sit. 12 sveukupno (HRK)	Količina	Sit.Ok (HRK)	Količina	Sit. Ok sveukupno (HRK)
				Unit	Quantity	Rate	Amount								
1	2			3	4	5	6	13	14	15	16	13	14	15	16
	DODATAK br.1		**ADENDA NO.1**												
1.1.	Strojni iskop materijala "B" kategorije, do nivoa projektom nazančenih kota, radi formiranja prostora (kade) za odlaganje otpada, na cijeloj površini odlagališta uključujući i obodni kanal. Stavka uključuje iskop, transport i deponiranje na mjesto gdje će se vršiti nasipavanje. Višak materijala koji se pojavi pri izradi nasipa odvesti i deponirati na prostor odlagališta. Pod iskopom se podrazumjeva i usitnjavanje krupnih komada na zrno maksimalne veličine 40 cm.	**H.1.**	Mechanical excavation of class "A" material, to the elevations specified in the design. The item includes excavation, transport and disposal at the place where backfilling shall be performed. The excavation includes also the fragmentation of large pieces into grains of maximum size of 40 cm. Calculation is conducted per m3 of actually excavated and transported material in natural condition, based on surveyed profiles and in the presence of the supervising engineer who shall also determine the class and percentage of excavated material.	m^3	123.361,00	**83,50**	10.300.643,50	0,00	0,00	123.261,00	10.292.293,50	0,00	0,00	123.261,00	10.292.293,50
1.2.	Troškovi mobilizacije i demobilizacije strojeva	**H.2.**	Cost of mobilization and demobilization of machines	set	1,00	**378.634,24**	378.634,24	0,00	0,00	1,00	378.634,24	0,00	0,00	1,00	378.634,24
	REKAPITULACIJA		**TOTAL**												
							Ukupna cijena [HRK]								
VIII	**UKUPNO DODATAK br. 1**		**ADENDA no.1 SUMMARY**				**10.679.277,74**		**0,00**		**10.670.927,74**		**0,00**		**10.670.927,74**

Item No.	Item description	Unit	Quantity	Rate	Amount	SITUACIJA 12 Količina	SITUACIJA 12 Sit. 12 (HRK)	OKONČANA SITUACIJA Količina	OKONČANA SITUACIJA Sit.Ok (HRK)	OKONČANA SITUACIJA Količina	OKONČANA SITUACIJA Sit. Ok sveukupno (HRK)
	ADENDA Br.2										
II.	**VIK - VODOOPSKRBA**										
II.1.	**Zemljani radovi**										
II.1.1.	Strojni iskop materijala u B kategoriji do dubine h[m] ovisno o građevini sa vertikalnim zasjecanjem. Radove izvesti ovisno o opremljenosti i tehnologiji rada izvođača za sve dubine prema grafičkim prilozima projekta. Širina rova je ovisna o normalnom profilu i veličini cjevovoda. Iskopano tlo odbacuje se u stranu unutar radnog pojasa, a ukoliko je potrebno na uskim mjestima se odvozi, međudeponira i kod zatrpavanja se ponovo dovozi na mjesto ugradbe. Način iskopa određuje izvoditelj, a obračun će biti proveden prema količinama po idealnom profilu iz glavnog projekta tako da višak iskopa treba biti ukalkuliran u cijenu i neće se naknadno priznavati. U stavku su uključeni svi potrebni radovi i oprema za razupiranje i osiguranje rova od urušavanja, prema tehnologiji izvođača radova, u skladu s propisanim uvjetima zaštite na radu, uključujući i potreban iskop za ugradnju zaštitne oplate (koji nije posebno specificiran). Iskop materijala (obračun u sraslom stanju) Voda za perilište kotača a) cjevovod, iskop dubine 0,8 m, - 21 m3 b) tipsko okno s priključkom za DN 32 - 2,0 m3 (kao stavka D.1.1.)	m³	32,00	90,00	2.880,00	32,00	2.880,00			32,00	2.880,00
II.1.2.	Nabava i doprema pijeska granulacije 0 - 12 mm te izrada pješčane posteljice debljine 10 cm za polaganje cjevovoda. Stavka uključuje zbijanje ručnim nabijačima Izrada posteljice Voda za perilište kotača a) cjevovod - 2,3 m3 (kao stavka C.2.1.4.)	m³	3,00	160,00	480,00	3,00	480,00			3,00	480,00
II.1.3.	Nabava i doprema pijeska/šljunka ili drobljenog kamena granulacije 0 - 32 mm te zatrpavanje cjevovoda s debljinom nadsloja iznad tjemena cijevi od 30 cm. Stavka uključuje zbijanje ručnim nabijačima. Posebnu pažnju obratiti na bočno zbijanje materijala između cijevi i stijenke rova visine 0,5 D kako bi se dobio čim veći kut naliježanja. Pri zatrpavanju spoj mora ostati vidljiv do primopredaje ličnu cijevi. Zatrpavanje zamjenskim materijalom Voda za perilište kotača a) cjevovod - 6,90 m3 (kao stavka C.2.1.5.)	m³	9,00	120,00	1.080,00	9,00	1.080,00			9,00	1.080,00
II.1.4.	Zatrpavanje prostora zone ispune rova cjevovoda iznad zone zaštite cjevovoda materijalom iz iskopa (max veličine zrna 63 mm) Stavka uključuje utovar, prijevoz, istovar, niveliranje i zbijanje materijala do projektiranog modula stišljivosti u slojevima debljine 30 cm Voda za perilište kotača a) cjevovod - 4,60 m3 b) Tipsko okno s priključkom za DN 32 - 1,00 m3 (kao stavka C.2.1.6.)	m³	19,00	18,00	342,00	19,00	342,00			19,00	342,00
II.1.5.	Prijevoz viška materijala iz iskopa nakon zatrpavanja prostora oko izvedenih građevina na deponiju unutar gradilišta na udaljenosti do 500m. Stavka uključuje utovar, prijevoz i istovar te razastiranje materijala na deponiji Prijevoz materijala iz iskopa (obračun u sraslom stanju) Voda s perilišta kotača a) cjevovod - 16,40 m3 b) Tipsko okno s priključkom za DN 32 - 1,00 m3 (kao stavka C.2.1.7.)	m³	13,40	12,00	160,80	13,00	156,00			13,00	156,00
II.1.	**Zemljani radovi ukupno:**				**4.942,80**		**4.938,00**				**4.938,00**
II.2.	**Monterski radovi**										
II.2.1.	Nabava, doprema i ugradnja glatkih PEHD tlačnih cijevi za izvedbu cjevovoda za napajanje miniwasha perilišta kotača. Stavka uključuje sav potreban rad i materijal za njihovu ugradnju. Obračun po m' ugrađene cijevi Voda za perilište kotača PEHD OD 32 mm, SDR 17, PE 100, PN 10 (kao stavka C.2.4.1.)	m'	50,00	50,00	2.500,00	50,00	2.500,00			50,00	2.500,00
II.2.2.	Nabava, doprema i ugradnja tipskog AB okna tlocrtnih dimenzija minimalno 1 x 1 m Okno mora biti opremljeno priključkom za DN 32 mm (vintl 1" + brza spojka za spajanja miniwasha) Obračun prema komadu izvedenog okna U stavku je uračunato sve potrebno za punu funkcionalnost	kom	1,00	10.000,00	10.000,00	1,00	10.000,00			1,00	10.000,00
II.2.	**Monterski radovi ukupno:**				**12.500,00**		**12.500,00**				**12.500,00**
II.	**VIK - VODOOPSKRBA UKUPNO**				**17.442,80**		**17.438,00**				**17.438,00**
III.	**KONSTRUKCIJE** **Perilište kotača** **Okno perilišta kotača**										
III.1	**Zemljani radovi**										
III.1.1.	Iskop zemlje s odlaganjem u neposrednoj blizini građevinske jame. Stavka uključuje i uređenje temeljnog tla mehaničkim zbijanjem do projektiranog modula stišljivosti. Obračun prema m3 zemlje u sraslom stanju. Količina određena prema idealnom profilu a) Perilište kotača b) Okno perilišta kotača (kao stavka D.1.1.)	m³ m³	16,00 2,00	90,00 90,00	1.440,00 180,00	15,96 1,57	1.436,40 141,30			15,96 1,57	1.436,40 141,30
III.1.2.	Nabava, doprema i ugradnja tamponskog sloja do projektom određene kote. Stavka uključuje i uređenje tamponskog sloja mehaničkim zbijanjem do projektiranog modula stišljivosti od 40 MPa. Obračun prema m3 zemlje u sraslom stanju a) Perilište kotača b) Okno perilišta kotača (kao stavka C.2.1.5.)	m³ m³	8,00 1,30	120,00 120,00	960,00 156,00	7,98 1,19	957,60 142,80			7,98 1,19	957,60 142,80

Item No	Item description	Unit	Quantity	Rate	Amount	SITUACIJA 12 Količina	SITUACIJA 12 Sit. 12 (HRK)	OKONČANA SITUACIJA Količina	OKONČANA SITUACIJA Sit.Ok (HRK)	OKONČANA SITUACIJA Količina	OKONČANA SITUACIJA Sit. Ok sveukupno (HRK)
III.1.3.	Prijevoz viška materijala iz iskopa nakon zatrpavanja građevinske jame na odlagalište udaljeno do 5 km. Stavka uključuje utovar, prijevoz i istovar te razastiranje materijala na odlagalištu. Obračun prema m3 zemlje u sraslom stanju.										
	(kao stavka [illegible])	m³	20,00	12,00	240,00	17,53	210,36			17,53	210,36
III.1	**Zemljani radovi ukupno:**				**2.976,00**		**2.888,46**				**2.888,46**
III.2.	***Betonski radovi***										
III.2.1.	Betoniranje podložnog betona razreda tlačne čvrstoće C12/15. Stavka uključuje proizvodnju, odnosno nabavu i dopremu betona ugradnju i njegu svježeg betona. Obračun prema m3 ugrađenog betona										
	a) Peništa kotača	m³	2,70	750,00	2.025,00	2,66	1.995,00			2,66	1.995,00
	b) Okno peništa kotača	m³	0,50	750,00	375,00	0,40	300,00			0,40	300,00
	(kao stavka 1.)										
III.2.2.	Betoniranje betonom razreda tlačne čvrstoće C30/37, XD3. Stavka uključuje proizvodnju, odnosno nabavu i dopremu betona, ugradnju i njegu svježeg betona. Stavka također uključuje svu potrebnu oplatu te materijale i radove vezane uz oplatu. Obračun prema m3 ugrađenog betona										
	Peništa kotača	m³	4,50	1.650,00	7.425,00	4,49	7.408,50			4,49	7.408,50
	(kao stavka 2. + XD3)										
III.2.3.	Betoniranje betonom razreda tlačne čvrstoće C30/37, vodonepropusni, XD2. Stavka uključuje proizvodnju, odnosno nabavu i dopremu betona, ugradnju i njegu svježeg betona. Stavka također uključuje svu potrebnu oplatu te materijale i radove vezane uz oplatu. Obračun prema m3 ugrađenog betona										
	Okno peništa kotača	m³	0,60	1.650,00	990,00	0,55	907,50			0,55	907,50
	(kao stavka 2. + XD2)										
III.2.	**Betonski radovi ukupno:**				**10.815,00**		**10.611,00**				**10.611,00**
III.3.	**Armirački radovi**										
III.3.1.	Nabava, dopriema, rezanje, savijanje, prijenos do mjesta ugradnje i ugradnja armature. Stavka uključuje sav potreban materijal i radove. Obračun prema kg ugrađene armature										
	a) Peništa kotača	kg	535,00	8,00	4.280,00	535,00	4.280,00			535,00	4.
	b) Okno peništa kotača	kg	678,00	8,00	5.424,00	678,00	5.424,00			678,00	5.424,00
	(kao stavka 3.1.)										
III.3.	**Armirački radovi ukupno:**				**9.704,00**		**9.704,00**				**9.704,00**
III.4.	**Monterski radovi**										
III.4.1.	Nabava, doprema i ugradnja lijevanoželjeznog poklopca nosivosti B125 (150 kN). Poklopac se ugrađuje na okno peništa kotača. Poklopac je dimenzija 600 x 600 mm. Obračun prema komadu ugrađenog poklopca										
		kom	1,00	900,00	900,00	1,00	900,00			1,00	900,00
III.4.2.	Nabava, doprema i ugradnja lijevanoželjeznih rešetki dimenzija 400 x 400 mm. Rešetke se ugrađuju na peništu kotača. Obračun prema komadu ugrađene rešetke										
		kom	5,00	900,00	4.500,00	5,00	4.500,00			5,00	4.500,00
III.4.	**Monterski radovi ukupno:**				**5.400,00**		**5.400,00**				**5.400,00**
III.	**[illegible] UKUPNO:**				[illegible]		**28.603,46**				**28.603,46**
IV.	**ODLAGALIŠTE**										
	Sustav recirkulacije procjedne vode										
IV.1.	**Zemljani radovi**										
IV.1.1.	Strojni iskop materijala u C kategoriji do dubine h[m] ovisno o građevini sa vertikalnim zasjecanjem. Radove izvesti ovisno o opremljenosti i tehnologiji rada izvođača za sve dubine prema grafičkim prilozima projekta. Širina rova je ovisna o normalnom profilu i veličini cjevovoda. Iskopano tlo odbacuje se u stranu unutar radnog pojasa, a ukoliko je potrebno na uskim mjestima se odvozi, međudeponira i kod zatrpavanja se ponovo dovozi na mjesto ugradbe. Način iskopa određuje izvoditelj, a obračun će biti proveden prema količinama po idealnom profilu iz glavnog projekta tako da višak iskopa treba biti ukalkuliran u cijenu i neće se naknadno priznavati. U stavku su uključeni svi potrebni radovi i oprema za razupiranje i osiguranje rova od urušavanja, prema tehnologiji izvođača radova, u skladu s propisanim uvjetima zaštite na radu, uključujući i potreban iskop za ugradnju zaštitne oplate (koji nije posebno specificiran).										
	(kao stavka 1.1.)	m³	12,60	90,00	1.134,00	12,60	1.134,00			12,60	1.134,00
	Strojni iskop materijala u C kategoriji (rekultivirajućem sloju odlagališta) do dubine 0,8 m.										
	(kao stavka 1.1.1.)	m³	104,50	35,00	3.657,50	104,16	3.645,60			104,16	3.645,60
IV.1.2.	Nabava i doprema pijeska granulacije 0 - 12 mm te izrada pješčane posteljice debljine 10 cm za polaganje cjevovoda. Stavka uključuje zbijanje ručnim nabijačima										
	(kao stavka 1.1.4.)	m³	15,00	160,00	2.400,00	15,00	2.400,00			15,00	2.400,00
IV.1.3.	Nabava i doprema pijeska/šljunka ili drobljenog kamena granulacije 0 - 32 mm te zatrpavanje cjevovoda s debljinom nadsloja iznad tjemena cijevi od 30 cm. Stavka uključuje zbijanje ručnim nabijačima. Posebnu pažnju obratiti na bočno zbijanje materijala između cijevi i stijenke rova visine 0,[illegible] D kako bi se dobio čim veći kut naliježanja. Pri zatrpavanju spoj mora ostati vidljiv do potpune [illegible]										
	(kao stavka 1.1.5.)	m³	45,00	120,00	5.400,00	45,00	5.400,00			45,00	5.400,00
IV.1.4.	Nabava, doprema i ugradnja glatkih PEHD tlačnih PE 100, OD 90 mm, SDR 17 (PN 10) cijevi za izvedbu sustava recirkulacije procjedne vode. Stavka uključuje sav potreban rad i materijal za njihovu ugradnju, ispitivanje montiranog cjevovoda na vodonepropusnost pomoću vode na odgovarajući tlak, te nulto čišćenje sustava. Prije punjenja cjevovod mora biti zatrpan, osim spojeva.										
		m'	250,00	120,00	30.000,00	250,00	30.000,00			250,00	30.000,00

Item No	Item description	Unit	Quantity	Rate	Amount	SITUACIJA 12 Količina	SITUACIJA 12 Sit. 12 (HRK)	OKONČANA SITUACIJA Količina	OKONČANA SITUACIJA Sit.Ok (HRK)	OKONČANA SITUACIJA Količina	OKONČANA SITUACIJA Sit. Ok sveukupno (HRK)
IV.1.5.	Zatrpavanje prostora zone iznad zone zaštite cjevovoda materijalom iz iskopa (rekultivirajući sloj odlagališta) Stavka uključuje utovar, prijevoz, istovar, nivelisanje i zbijanje materijala do projektiranog modula stišljivosti u slojevima debljine 30 cm										
	(kao stavka C.1.1.6.)	m³	60,00	18,00	1.080,00	60,00	1.080,00			60,00	1.080,00
IV.1.6.	Prijevoz viška materijala na deponiju unutar gradilišta na udaljenosti do 500m. Stavka uključuje utovar, prijevoz i istovar te razastiranje materijala na deponiji.										
	(kao stavka C.1.1.7)	m³	56,80	12,00	681,60	56,75	681,00			56,75	681,00
IV.	**ODLAGALIŠTE - SUSTAV RECIRKULACIJE UKUPNO:**				**44.353,10**		**44.340,60**				**44.340,60**
V.1.	**ARHITEKTONSKI PROJEKT - NADSTREŠNICE**										
V.1.1.	**Garaža za kompaktor**										
V.1.1.1.	Obloga krova i pročelja										
	Nabava, doprema i montaža fasadnog i krovnog sendvič panela po EN 14509 ili jednakovrijednoj normi. Sendvič panel se sastoji od obostrano pocinčanog čeličnog lima debljine 0,5/0,5 mm (kvalitete lima S 320 GD), trapeznog profila s gornje i standardnog profila s donje strane - Krovni panel mikroliniranog s vanjske strane i standardnog profila s unutarnje strane - Fasadni panel, s konstrukcijskom jezgrom od PIR-a gustoće 40±3kg/m3, ukupne debljine 100 mm, klase negorivosti B s1 d0 prema EN 13501 ili jednakovrijednoj normi. Paneli su obostrano antikorozivno zaštićeni PS bojom 35 ym (hairultra) te zaštitnim folijama koje se skidaju kod montaže, boja RAL 7011/9002, U faktor 0,214 W/m2K, Krovni sendvič paneli se postavljaju na prethodno montirane roženice, na rasponu 2,0 m. Nosivost krovnog panela mora biti sukladna proračunu iz glavnog projekta. Stavka uključuje kompletno mješenu odvodnju oborinskih voda, horizontalne i vertikalne oluke, okapnice i druge fazonske elemente istog proizvođača. U cijenu su uključeni svi potrebni preklopi i spojna sredstva kao i sve potrebno za punu funkcionalnost. Obračun po m2. Izvedba i montaža prema projektu i dogovoru s projektantom. Žljebovi se izvode od nehrđajućeg čelika debljine 0.55 mm, pravokutnog poprečnog presjeka 15 x 15 cm, pričvršćenog kukama od nehrđajućeg čelika dimenzija 30/3 mm na roženice. Vertikalne cijevi za odvodnju izvode se od nehrđajućeg čelika debljine 0,55 mm, kvadratičnog poprečnog presjeka 10 x 10 cm. Cijevi za odvodnju pričvršćene su za stupove nehrđajućim obujmicama od plosnatog čelika dimenzija 30/3 mm. Obujmice se montiraju na svakih 1,00 m međusobne udaljenosti. Fasadni sendvič paneli se postavljaju vertikalno na prethodno montiranu potkonstrukciju. U cijenu su uključeni svi potrebni preklopi, spojna sredstava, opšavi i sve potrebno za punu funkcionalnost. Nosivost fasadnog panela mora biti minimalno 1,00 kN/m² na rasponu od 3,0 m. Boja: RAL 7011/9002 Paneli moraju biti otporni na požar minimalno 30 min. KROVNI PANEL - REI 30 prema EN 13501-2 FASADNI PANEL - EI 30 prema EN 13501-2 U jediničnu cijenu ukalkulirati montažu i demontažu sve potrebne skele. Obračun prema m². EN 14509 ili jednakovrijedna norma: _____ EN 13501 ili jednakovrijedna norma: _____										
	Krov - (krovni panel)	m²	70,00	666,00	46.620,00	70,00	46.620,00			70,00	46.620,00
	Pročelje (fasadni lim) _ Jugozapad	m²	15,00	720,00	10.800,00	15,00	10.800,00			15,00	10.800,00
	Pročelje (fasadni lim) _ Sjeveroistok	m²	22,00	720,00	15.840,00	22,00	15.840,00			22,00	15.840,00
	Pročelje (fasadni lim) _ Sjeverozapad	m²	33,00	720,00	23.760,00	33,00	23.760,00			33,00	23.760,00
	Pročelje (fasadni lim) _ Jugoistok	m²	36,00	720,00	25.920,00	36,00	25.920,00			36,00	25.920,00
V.1.1.	**Garaža za kompaktor ukupno:**				**122.940,00**		**122.940,00**				**122.940,00**
V.1.2.	**Garaža za kompaltor - vrata i prozori**										
V.1.2.1.	Vrata										
	Sekcijska podizna vrata Stavka uključuje nabavu, dopremu i montažu. Sekcijska vrata, podizna segmentna vrata izrađena od čeličnog pocinčanog lima s poliuretanskom ispunom. Širine 400 i visine 500 m. Čelični lim je dvostruko plastificiran (trajna zaštita od korozije i atmosferilija). Ugrađen je sigurnosni sistem kočnica (sistem pero - utor) kao osiguranje od nekontroliranog pada. Vratima se upravlja motornim pogonom, pomoću daljinskog upravljača i tipkalom (u samoj hali). Vanjska boja je elektrostatski zapečena na pripremljenom pocinčanom čeličnom limu. Spojni okovi i vodilice su toplo cinčani, debljine 2 i 1,5 mm. Bazni i gornji profil vrata su od aluminija. Pocinčane torzione opruge (za balansiranje i podizanje) se nalaze iznad vrata. Jedno polje vrata su prozirni prozorski elementi.										
		kom	1,00	60.000,00	60.000,00	1,00	60.000,00			1,00	60.000,00
V.1.2.2.	Prozori										
	Nabava, doprema i montaža Al prozora. Prozori su aluminijska stolarija s minimalnim zahtjevima i karakteristikama termoizolacijskih svojstava										
		kom	8,00	4.800,00	38.400,00	8,00	38.400,00			8,00	38.400,00
V.1.2.	**Garaža za kompaltor - vrata i prozori ukupno:**				**98.400,00**		**98.400,00**				**98.400,00**
V.1.	**NADSTREŠNICA UKUPNO:**				**221.340,00**		**221.340,00**				**221.340,00**

Item No.	Item description	Unit	Quantity	Rate	Amount	SITUACIJA 12 Količina	SITUACIJA 12 Sit. 12 (HRK)	OKONČANA SITUACIJA Količina	OKONČANA SITUACIJA Sit.Ok (HRK)	OKONČANA SITUACIJA Količina	OKONČANA SITUACIJA Sit. Ok sveukupno (HRK)
VI.	**OSTALO**										
VI.1.	**Dodatak crpke za oborinske vode**	kom	1,00	25.272,00	25.272,00	1,00	25.272,00			1,00	25.272,00
VI.2.	**Formiranje pokosa terena/nasipa iznad 4.odlagališne kazete**	m²	11140,00	13,72	152.840,80	11109,51	152.422,48			11.109,51	152.422,48
VI.3.	**Ulazna vrata na istočnom dijelu odlagališta** (kao stavka 2.2.)	kom	1,00	19.000,00	19.000,00	1,00	19.000,00			1,00	19.000,00
VI.4.	**Izrada betonskog okna (sv.dim. 1x1x1,8) za smještaj crpki za sanitarnu vodu**	kom	1,00	9.945,00	9.945,00	1,00	9.945,00			1,00	9.945,00
VI.	***OSTALO UKUPNO:***				**207.057,80**		**206.639,48**				**206.639,48**
VII.	**Naknadna izvedba**										
1.1.	Rezanje betona u armiranobetonskoj gornjoj ploči bazena za procjedne vode (okno za ulaz). Rezanje se izvodi pomoću dijamantne pile. Dubina reza iznosi 25 cm, a dimenzije reza su 600 x 600 mm. Stavka uključuje sav potreban rad, opremu i transport opreme za rezanje, te eventualni dodatni materijal kako bi se izveo potrebni rez armiranog betona.	m	2,40	6.375,00	15.300,00	2,40	15.300,00			2,40	15.300,00
1.2.	Rezanje betona u armiranobetonskoj gornjoj ploči bazena za oborinske vode (okno za crpke). Rezanje se izvodi pomoću dijamantne pile. Dubina reza iznosi 25 cm, a dimenzije reza su 1200 x 1500 mm. Stavka uključuje sav potreban rad, opremu i transport opreme za rezanje, te eventualni dodatni materijal kako bi se izveo potrebni rez armiranog betona.	m	5,40	4.500,00	24.300,00	5,40	24.300,00			5,40	24.300,00
1.3.	Bušenje rupe u zidovima bazena za oborinske vode i okna za priključak vatrogasnog cijeva za prolazak cijevi DN50	kom	1,00	8.150,00	8.150,00	1,00	8.150,00			1,00	8.150,00
1.4.	Bušenje rupe u gornjoj ploči bazena za procjedne vode prolazak cijevi odušna promjera 3".	kom	1,00	8.150,00	8.150,00	1,00	8.150,00			1,00	8.150,00
1.5.	Nabava, dopremа i ugradnja betona tlačne čvrstoće C25/30 za izvedbu grla okana i okna za priključenje vatrogasnog cijeva za pranje površina kod bazena za oborinske vode. Stavka uključuje obodnu oplatu, njegu betona i atest tlačne čvrstoće. (stavka D.)	m³	2,00	1.300,00	2.600,00	2,00	2.600,00			2,00	2.600,00
1.6.	Nabava, dopremа i ugradnja konstruktivne armature od čelika kvalitete B 500 B u svrhu izvedbe grla okana i okna za priključenje cijeva za pranje površina kod bazena za oborinske vode. Stavka uključuje nabavu, dopremu, rezanje, oblikovanje, prijenos do mjesta ugradnje i ugradnju. Stavka također uključuje atest ugrađene armature. (stavka D	kg	160,00	7,50	1.200,00	160,00	1.200,00			160,00	1.200,00
1.7.	Nabava, dopremа i ugradnja čeličnih ljestvi duljine 232 cm, odvojene od dna bazena 29 cm. Antikorozivna zaštita je vruće cinčanje za razred korozivnosti C5. Penjalice izvesti od okruglog profila promjera 16 mm. Penjalice su široke 45 cm te su na osnom razmaku od 30 cm. Ljestve se montiraju na zid okna sa 4 ankera M8. Ljestve se izvode u jednom komadu, tako da su prečke zavarene na dva flaha debljine minimalno 8 mm. Stavka uključuje i izvedbu pripadajućeg iedobrana prema važećem Zakon o zaštiti na radu i spoj na uzemljenje.	kom	1,00	11.258,70	11.258,70			1,00	11.258,70	1,00	11.258,70
1.8.	Nabava, dopremа i ugradnja čeličnih ljestvi duljine 303 cm, odvojene od dna taložnice prema 30 cm. Antikorozivna zaštita je vruće cinčanje za razred korozivnosti C5. Penjalice izvesti od okruglog profila promjera 16 mm. Penjalice su široke 45 cm te su na osnom razmaku od 30 cm. Ljestve se montiraju na zid okna sa 4 ankera M8. Ljestve se izvode u jednom komadu, tako da su prečke zavarene na dva flaha debljine minimalno 8 mm. Stavka uključuje i izvedbu pripadajućeg iedobrana prema važećem Zakon o zaštiti na radu i spoj na uzemljenje.	kom	1,00	12.170,00	12.170,00			1,00	12.170,00	1,00	12.170,00
1.9.	Nabava, dopremа i ugradnja čeličnih ljestvi duljine 440 cm, odvodjene od dna bazena 29 cm. Antikorozivna zaštita je vruće cinčanje za razred korozivnosti C5. Penjalice izvesti od okruglog profila promjera 16 mm. Penjalice su široke 45 cm te su na osnom razmaku od 30 cm. Ljestve se montiraju na zid okna sa 4 ankera M8. Ljestve se izvode u jednom komadu, tako da su prečke zavarene na dva flaha debljine minimalno 8 mm. Stavka uključuje i izvedbu pripadajućeg iedobrana prema važećem Zakon o zaštiti na radu i spoj na uzemljenje.	kom	2,00	12.756,50	25.513,00			2,00	25.513,00	2,00	25.513,00
1.10.	Nabava, dopremа i ugradnja kanalskog poklopca pravokutnog oblika dimenzija 600 x 600 mm prema normi HRN EN-124:2015. Stavka uključuje sav potreban rad i materijal za ugradnju. Poklopac klase B 125 (nosivost 125 kN)	kom	2,00	4.875,00	9.750,00	2,00	9.750,00			2,00	9.750,00
1.11	Nabava, dopremа i ugradnja kanalskog poklopca pravokutnog oblika dimenzija 1200 x 1200 mm prema normi HRN EN-124:2015. Stavka uključuje sav potreban rad i materijal za ugradnju. Poklopac klase B 125 (nosivost 125 kN)	kom	1,00	25.525,00	25.525,00	1,00	25.525,00			1,00	25.525,00
1.12.	Nabava, dopremа i ugradnja elemenata cjevovoda unutar okna za priključenje vatrogasnog cijeva za pranje površina kod bazena za oborinske vode:										
	- prirubnica s navojem DN50	kom	1,00	515,61	515,61	1,00	515,61			1,00	515,61
	- nipl DN50	kom	3,00	154,67	464,01	3,00	464,01			3,00	464,01
	- Y-filtar DN50	kom	1,00	574,50	574,50	1,00	574,50			1,00	574,50
	- razdjelni komad DN50	kom	1,00	447,10	447,10	1,00	447,10			1,00	447,10
	- ventil DN50	kom	1,00	769,50	769,50	1,00	769,50			1,00	769,50
	- spojnica za vatrogasno crijevo DN50	kom	1,00	444,89	444,89	1,00	444,89			1,00	444,89
	- redukcija DN50/25	kom	1,00	287,30	287,30	1,00	287,30			1,00	287,30
	- nipl DN25	kom	2,00	140,40	280,80	2,00	280,80			2,00	280,80
	- ventil DN25	kom	1,00	487,40	487,40	1,00	487,40			1,00	487,40
	- spojni komad sa slobodnom maticom (PEHD-č) OD32/DN25	kom	1,00	401,60	401,60	1,00	401,60			1,00	401,60

Item No	Item description	Unit	Quantity	Rate	Amount	SITUACIJA 12 Količina	SITUACIJA 12 Sit. 12 (HRK)	OKONČANA SITUACIJA Količina	OKONČANA SITUACIJA Sit.Ok (HRK)	OKONČANA SITUACIJA Količina	OKONČANA SITUACIJA Sit. Ok sveukupno (HRK)
1.13.	Nabava dobprema i ugradnja oduška bazena za procjedne vode. Odušak se izvodi od čeličnih cijevi promjera 3" te tzv. lule koja se izvodi od dva luka 90° promjera 3". Visina oduška od kote uređenog terena iznosi 5 m. Stavka uključuje izvedbu antikorozivne zaštite (temeljni i finalni premaz) i	ompl	1,00	20.550,00	20.550,00	1,00	20.550,00			1,00	20.550,00
	UKUPNO				**169.139,41**		**120.197,71**		**48.941,70**		**169.139,41**
	ADENDA no.2 SUMMARY				688.228,11		639.550,25		48.941,70		687.500,95

Item No.	Item description	Unit	Quantity	Rate	Amount	OKONČANA SITUACIJA Količina (HRK)	OKONČANA SITUACIJA Sit. Ok (HRK)
	ADENDA no.3						
II.	**VIK - VODOOPSKRBA**						
1.	Nabavu, dopremu i ugradnju kompaktnog prekidača snage s mogućnosti daljinskog isklopa signalom 230V uz dodatne preinake prema zahtjevu strojarskog i elektro nadzora koji su izvedeni na terenu dana 03.12.2019.	kom	1,00	16.635,00	16.635,00	1,00	16.635,00
2.	Troškovi zastoja u periodu od 24.01.18. do 13.04.19.	kom	1,00	453.032,73	453.032,73	1,00	453.032,73
	ADENDA no.2 SUMMARY				469.667,73		469.667,73

Adriatic Sea Environmental Pollution Control Project (I)
Croatia and Bosnia and Herzegovina PID: P143921, GEF
Grant No.: TF017706

Small Works Contract

Remediation works of landfill Sitnica with closed leachate system

ICB No: EPEEF/ICB-W/1

AMENDMENT VI TO THE CONTRACT AGREEMENT

Employer:
EKO d.o.o.
32. ulica broj 7, 20271 Blato, Croatia

Implementing agency:
ENVIRONMENTAL PROTECTION AND ENERGY EFFICIENCY FUND
Radnička cesta 80, 10 000 Zagreb, Croatia

Contractor:
G.T. TRADE d.o.o.
Split, Spinčićeva 2/d, OIB 27976544334

Contract Registration No: 2019/004966

Class: 018-04/17-02/4

Ref. No: 563-07-2/126-19-142

AMENDMENT VI TO THE CONTRACT AGREEMENT

ICB No: EPEEF/ICB-W/1

Remediation works of landfill Sitnica with closed leachate system

This AMENDMENT VI to the CONTRACT (hereinafter called the "AMENDMENT '') is made on December 20, 2019

BETWEEN

The Employer: EKO d.o.o., 32. ulica br. 7, 20271 Blato , OIB: 97960781044

Through the **Implementing agency**, conducting the procurement in the name of the Employer:

ENVIRONMENTAL PROTECTION AND ENERGY EFFICIENCY FUND / Fond za zaštitu okoliša i energetsku učinkovitost
Radnička cesta 80, 10 000 Zagreb, Croatia, OIB: 85828625994
of the one part,

and G.T. TRADE d.o.o., Split, Spinčićeva 2/d, OIB 27976544334 (hereinafter "the Contractor"), of the other part:

Now, therefore the parties hereby agree as follows:

1. Bill of quantities that reflects exact quantities of works performed is attached to this Amendment.
2. This Amendment shall come into force upon signature by the Parties and shall apply from the same day.

3. This Amendment is prepared in 6 (six) copies out of which each party shall retain 2 (two) copies.

4. The following documents shall be deemed to form and be read and constructed as part of this Agreement. This Agreement shall prevail over all other Contract documents.
   (a) the Variation Instruction,
   (b) Time Schedule.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with the laws of Republic of Croatia, on the day, month and year specified above.

Signed by: Marino Sardelić for and on behalf of the Employer Place, Date: SPLIT, 20.12.2013	Signed by: Arsen Zoran Tonšić for and on behalf of the Contractor Place, Date: SPLIT, 20/12/2013

Signed
by: mr. sc. Alenka Košiša Čičin-Šain

for and on behalf of the Implementing Agency

Place, Date: ZAGREB, 19/12/13

Naziv projekta:		**REPUBLIKA HRVATSKA (JUGOISTOČNA EUROPA)** **PROJEKT KONTROLE ONEČIŠĆENJA JADRANSKOG MORA I/ ADRIATIC SEA ENVIRONMENTAL POLLUTION CONTROL PROJECT I** **Project ID P143921, Grant No.:TF 017706**
Naziv ugovora:		**Remediation works of landfill „Sitnica“ with closed leachate system,** ICB No: EPEEF/ICB – W/1
Broj ugovora		Contract No: 61039; Contract Registration No: 2017 / 000532; Class: 018 – 04/17 – 02/4
Izvođač		GT TRADE d.o.o. – Split, oib: 27976544334, Spinčićeva ulica 2 / d
Dokument		**Zahtjev za izmjenom Izvođača br. 6**
Revizija broj		Variation 6 - Revizija 1
Datum:		12.12.2019.

Sadržaj

1. Uvod

ZAHTJEV ZA IZMJENOM IZVOĐAČA

Na temelju članaka 31 i 38 (GCC) ugovora izvođač je dostavio zahtjeve za Adenda no. 3.

Tijekom sanacije deponije i građenja novih objekata na deponiji utvrđene su potrebe za izmjenama nekih dijelova projekta i prilagodbe novim potrebama projekta,.

2. Opis dodatnih radova i zahtijevanih izmjena.

Ukazala se je potreba za: nabavom, dopremom i ugradnjom kompaktnog prekidača snage, a s mogućnosti daljinskog isklopa signalom 230 V uz dodatne preinake prema zahtjevu strojarskog i elektro nadzora. Radovi su izvedeni dana 03.12.2019.

Usuglašeni su troškovi nastali zbog zastoja radova u sklopu projekta Sanacije odlagališta komunalnog otpada „Sitnica" sa zatvorenim sustavom odvodnje, ICB No: EPEEF/ICB-W/1 u periodu od 24.01.2018. do 13.04.2018.

3. Opis zahtijevanih izmjena i tehnologije izvođenja

U radovima definiranim pod 2 nema radova koji tehnologijom odudaraju od već projektom definiranih drugih, a sličnih radova. Svi radovi definirani tim zahtijevom definirani su postojećim tehnologijama izvedbe.

4. Utjecaj na dinamički plan i rok završetka ugovora, revidirani dinamički plan

Navedeni radovi nemaju utjecaj na predviđeni rok građenja te isti ostaje definiran adendumom broj 4.

5. Analiza cijena dodatnih radova

Stavka troškovnika radova za gore navedenu dodatnu stavku radova (naknadne i nepredviđene radove) je urađena u ukupnom troškovniku. Predstavljaju dodatak ovom adendumu broj 3 i nalaze se zajedno sa svim ostalim radovima definiranim projektnim troškovnikom. Cijena naknadnog rada prema Adendumu 3 je najvećim dijelom definirana usporedbom te jedinične cijene s jediničnim cijenama iz ugovornog troškovnika za slične stavke radova.

6. Utjecaju na ostale ugovorne obveze

Nema ih.

7. Ostali troškovi vezani na Zahtjev za izmjenom br.6

Nema ih.

8. Nacrti

Projektant ne treba dostaviti izmjene i dopune projekta vezano za nastalu dopunu.

GB

Naziv projekta:	**REPUBLIKA HRVATSKA (JUGOISTOČNA EUROPA) PROJEKT KONTROLE ONEČIŠĆENJA JADRANSKOG MORA I/ ADRIATIC SEA ENVIRONMENTAL POLLUTION CONTROL PROJECT I** **Project ID P143921, Grant No.:TF 017706**
Naziv ugovora:	**Remediation works of landfill „Sitnica" with closed leachate system,** ICB No: EPEEF/ICB – W/1
Broj ugovora izvođača	Contract No: 61039; Contract Registration No: 2017 / 000532; Class: 018 – 04/17 – 02/4
Izvođač	GT TRADE d.o.o. – Split, oib: 27976544334, Spinčićeva ulica 2 / d
Naručitelj	EKO d.o.o. – Blato na Korčuli, oib: 97960781044, 32 ulica broj 7
Voditelj projekta	ARHITEKTONSKI KOLEKTIV d.o.o. – Split, oib: 00654503684, Hrvatske mornarice 2
Nadzor	GEOPROJEKT d.d. – Split, oib: 25623466485, Sukoišanska ulica 43
Dokument:	Zahtjev za izmjenom Izvođača br. 6 **VARIATION / Izmjena** **Revizija broj 1** **sukladno članku 38. GCC i 38.2. PCC**
OPIS IZMJENE	**IZMJENA SUKLADNO** Uvjetima Ugovora, prema zahtjevu za izmjenom Izvođača/Naručitelja **OPIS IZMJENA ZA ADENDUM broj 3** Izmjene i dopune su definirane dijelom troškovnika Adenda no. 3 koji je dio ovog zahtjeva, a ovdje se navodi rekapitulacija: 01. Nabava, doprema i ugradnja kompaktnog pretvarača snage s mogućnošću daljinskog isklopa signalom 230 v uz dodatne preinake prema zahtjevu strojarskog i elektro inženjera. 16.635,00 HRK 02. Troškovi zastoja radova nastali u periodu od 24.01.18. do 13.04.18. 453.032,73 HRK **SVEUKUPNO ADENDUM broj 3: 469.667,73 HRK** **UKUPNA POVEĆANJA IZNOSA RADOVA U TROŠKOVNIKU S ADENDUMOM 1, 2 i 3 SU:** Arhitektonski radovi 12.500,00 HRK Prometnice 16.482,00 HRK Opskrba vodom i drenaža 82.502,18 HRK Konstrukcije 115.922,20 HRK Odlagalište 1.957.534,05HRK Elektro radovi 29.591,00 HRK Adendum br 2 688.227,91 HRK Adendum br 3 vidi uvećanje gore 469.667,73 HRK **UKUPNO POVEĆANJE TROŠKOVA 3.372.427,07 HRK**

Stupanj klasifikacije: **SLUŽBENO**

7B

<table>
<tr><td></td><td colspan="3">SVA UMANJENJA IZNOSA RADOVA U TROŠKOVNIKU S ADENDUMOM 1, 2 i 3 koja su omogućila da bez obzira na gore navedene naknadne i nepredviđene radove povećanje troškova izvan predviđenih dosada ugovorenim troškovnikom su:
Arhitektonski radovi 80.000,00 HRK
Promet i manipulativni prostor 32.472,00 HRK
Opskrba vodom i drenaža 14.608,60 HRK
Konstrukcije 159.456,33 HRK
Odlagalište 1.683.924,58 HRK
Automatska praonica vozila strojni i betonski dio 500.000,00 HRK
Elektro radovi 76.003,00 HRK
Adendum br 1 umanjenje 827.621,11 HRK
UKUPNO UMANJENE TROŠKOVA 3.374.085,62 HRK
RAZLIKA POVEĆANJA I UMANJENJA TROŠKOVA, OSTATAK NEISKORIŠTENIH SREDSTAVA PREMA UGOVORU I ODOBRENIM ADENDUMIMA broj 1, 2 i 3 IZNOS.
1.658,55 HRK

PREDVIĐENI UKUPAN IZNOS UGOVORNOG TROŠKOVNIKA SA SVIM ADENDUMIMA 1, 2 i 3 IZNOSI:
30.679.479,64 HRK

IZNOS UGOVORA S ADENDUMOM br. 1 IZNOSI:
30.681.138,19 HRK

PREOSTAJE IZNOS DO UKUPNE VRIJEDNOSTI UGOVORA S ADENDUMIMA 1 i 2. IZNOS:
1.685,55 HRK</td></tr>
<tr><td>TROŠKOVI IZMJENE</td><td>povećanje / smanjenje</td><td colspan="2">IZNOS:</td></tr>
<tr><td rowspan="5">OCJENA IZMJENE Provedena primjenom</td><td>1. Jediničnih cijena iz ugovornog troškovnika.</td><td>Vidi prilog opise stavki troškovnika i napomene za veze s osnovnim, a sličnim stavkama troškovnika.</td></tr>
<tr><td>2. Dodatnim analizama cijena</td><td>Nije bilo primjene</td></tr>
<tr><td>3. primjenom radova plativih po satu /dayworks schedule and prices</td><td>Nije bilo primjene</td></tr>
<tr><td>4. međusobno dogovorena cijena/ agreed amount</td><td>Nije bilo primjene</td></tr>
<tr><td>5. procjena vrijednosti/estimated amount</td><td>Nije bilo primjene</td></tr>
</table>

Stupanj klasifikacije: **SLUŽBENO**

	5. procjena vrijednosti/estimated amount	Nije bilo primjene
Način izmjere radova	Obračun svih radova pa i ovih prema Adendumu broj 3 obavljaju se prema građevinskoj knjizi	
Opis rada koji će biti smanjen/isključen	Vidi priloženi troškovnik i detaljni opis stavki za adendum broj 3 koje su dodane kao i stavke za koje su količine izrade umanjene ili nisu korištene.	
Dodatni trošak	Nema ga.	
Predviđeni rok završetka izmjene		31. 12. 2019.
Utjecaj na datum završetka radova	DA/NE **NE**	POSTOJEĆI ROK ZAVRŠETKA PREMA ADENDUMU BRPJ 4 **31. 12. 2019.**
Razlog izmjene		Ugradnja dodatne opreme prema zahtjevu iz izmjene i dopune projekta i troškovnika.
Datum izdavanja:		Split, 12. 12. 2019.

ZA EKO d.o.o. - BLATO NA KORČULI - DIREKTOR	ZA IZVOĐAČA RADOVA - PROKURIST	ZA NADZORNU SLUŽBU – GLAVNI NADZORNI INŽENJER	ZA VODITELJA PROJEKTA – VODITELJ PROJEKTA
Marino Sardelić dr. vet.	Arsen Zoran Tonšić dipl. inž. građ.	Glavni nadzorni inženjer Danijel Dujmović dipl. inž. građ.	Mario Bucat dipl. inž. građ.
EKO d.o.o. 20271 BLATO			
12.12.2019.	12.12.2019.	12. 12. 2019.	12.12.2019.

ZA FZOEU – DIREKTORICA FZOEU
Alenka Košiša Čičin - Šain
…….. ….. 2019.

Arhitektonski Kolektiv d.o.o.
Hrvatske mornarice 2, 21000 Split
OIB: 00654503684 Arhkolektiv.com

Stupanj klasifikacije: **SLUŽBENO**

			CONTRACTED V. 1. TRADE include VO2								
A	ARCHITECTURAL WORKS										
Item No.	Item description	Unit	Quantity	Rate	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount
1	2	3	4	5	6	7	8	9	10	11	12
A.1	Building for personnel										
A.1.1	**Installation works** Supply, delivery and installation of prefabricated containers (type: residential and office containers) dimensions according to drawings 605 x 245 x 280 cm. The item includes a complete set of equipment and furniture for the office, small kitchen, closet, bathroom table, shelves, chairs, air conditioning, doors, windows, flooring, installation, etc., all according to the drawings and designer's selection. The container has a supporting structure of welded cold formed profiles. Containers are placed on previously prepared concrete slab Color of containers: RAL 9002 Calculation per piece. List of furniture and equipment -4 wardrobe cabinets -1 desk with two cabinets with drawers 580 x 75 cm -2 chairs (office) -office shelves (h = 220 cm, l = 450 cm) -kitchen, lower and upper elements (including a sink, smal stove, refrigerator, etc.) -1 dinning table (180 x 40 cm - counter table) and 2 chairs -Floor mat, clothes hanger, container for umbrellas etc -complete sanitary facilities (sink, toilet, toilet tank, mirror, etc.) Item includes all the work, supply and the necessary materials to complete certainty	set	1	65.000,00	65.000,00					1	65.000,00
A.1.2	Complete cleaning and washing of all spaces before handing over the building. Including cleaning and washing of floor, wall and ceiling panels as well as carpentry and locksmithing with corresponding glazing	set	1	500,00	500,00					1	500,00
A.1	Building for personnel TOTAL				65.500,00						65.500,00
A.2	Fence										
A.2.1	**Fence** Supply, delivery and installation of wired fence. Height of completed fence, from finished terrain elevation is 2.0 m. It is made of steel columns and wired fence. Columns are treated with zinc on the outside and the inside and are plasticised (min. 60 micron). Fence foundation is a single foundation. Total dimensions of the cross section are 50/80 cm. Columns are steel, galvanized with additional plastic protection as a final layer. They are placed at a maximum distance of 2.0 m, in the foundations. All these elements are included in the price, along with all the necessary fittings and works. All other details of the fence are to be carried out according to the design. All metal parts of the fence have to be grounded. Item includes all works, supply and necessary materials to complete certainty. Color of the complete fence is dark green: RAL 6005. Calculation per m' of the installed fence.	m'	250	250,00	62.500,00					250	62.500,00
A.2.2	Double turnaround enterance doors 5.70 x 1.75 m Supply and installazion of double hinged entrance doors (driveway) Width: 570 cm. Height. 157 cm. filling made of rectangular pipes 20x30 mm in the framework of square pipes 130x130 mm. The doors are equipped with the lock and the latch. Item includes installation of remote control (control of entry and exit in the building for personnel). It includes all the works, supply with the necessary materials to complete safety. Color of the doors is darg green: RAL 6005 (and the fence). Calaculation per piece	pcs	1	19.000,00	19.000,00					1	19.000,00
A.2.3	Single hinged doors, dimensions 100 x 200 cm Supply and installazion of single hinged entrance doors (pedestrian entrance) Width: 100 cm. Height: 157 cm. filling made of rectangular pipes 20x30 mm in the framework of square pipes 130x130 mm. The doors are equipped with the lock and the latch. Item includes installation of remote control (control of entry and exit in the building for personnel). It includes all the works, supply with the necessary materials to complete certainty. Color of the doors is darg green: RAL 6005 (and the fence). Calaculation per piece	pcs	1	5.000,00	5.000,00					1	5.000,00
A.2	Fence TOTAL				86.500,00						86.500,00
A.3	Landscaping										
A.3.1	Landscaping Item includes complete exectuion of For better integration of the complex into the environment, protective green buffer zone will be formed, which will, together with the fence, create hight-quality visual barrier. Item includes greening. It includes all the necessary actions adjusted to the terrain and the existing situation.										

						CONTRACTED OFFER					
	Finishing works on green areas include milling to a depth of 20 cm, straightening and raking (fine planning) of disturbed earth with fragmentation, fertilization with organic manure 5 l/m2, and supply and installation of grass mixture in an amount of 4 dkg/m2 that consists of drizzle grass and true grass. After sowing the seeds of grass mixture, manual rolling with a roller should be carried out, and a one-time watering in an amount of 10 l/m2. grassing Conducted surfaces maintain up to completion of all planned works. Include the following works: Mowing lawns during the implementation of the contract with the collection and disposal of cuttings, cleaning green areas, watering of green areas, if necessary, complete Phytosanitary protection, if necessary, in warranty, repair all the possible damages caused to the green. Calculation: 15% of the works procurement and planting shrubs and trees.	set		80 000,00							
A.3	**Landscaping TOTAL**										
A.4	**Equipment**										
A.4.1	Equipment Item includes supply and all necessary work for installation of containers and equipment (all according to the design) weigh 40 t	set	1	200 000,00	200 000,00					1	200 000,00
A.4.2	Fire extinguishers and handy tool										
A.4.2.1	They are used to localize fires that would eventually appear. They are placed in visible and easy accessible places at a height of 1,5 m, according to the plan given in Fire protection study. Envisaged extinguishers are dust type "S". Item includes supply, delivery and installation of fire extinguishers S 6 kg	pcs	3	1 000,00	3 000,00					3	3 0
A.4.2.2	A handy tool consists of shovel, pick hoes, metal broom for fire extinguishing, 2 birch brooms for cleaning asphalt surfaces. Item includes supply and delivery of the specified set of handy tool	set	1	1 500,00	1 500,00					1	1 500,00
A.4.3	Permanent Board Graphic preparation and design of permanent board for the purpose of informing and visibility of the project according. The frame dimensions are 100x60 cm. Board will be of PVC with the text "Adriatic Sea Environmental Pollution Control Project (I). Remediation works of landfill Sitnica with closed leachate system" with specified year of ending of construction with logos of World Bank, Global Environmental Facility (GEF), Environmental Protection and Energy Efficiency. *Board shall be in Croatian Language*	pcs	1	4 000,00	4 000,00					1	4 000,00
A.4	**Equipment TOTAL**				208 500,00						208 500,00
A	**ARCHITECTURAL WORKS**										
A.1	**BUILDING FOR PERSONNEL**				65 500,00						65 500,00
A.2	**FENCE**				86 500,00						86 500,00
A.3	**LANDSCAPING**										
A.4	**EQUIPMENT**				208 500,00						208 500,00
A	**ARCHITECTURAL WORKS SUMMARY**				360 500,00						360 500,00
B	**CIVIL WORKS - TRAFFIC AND MANIPULATIVE AREA**										
Item No 1	Item description 2	Unit 3	Quantity 4	Rate 5	Amount 6	Quantity 4	Amount 6	Quantity 4	Amount 6	Quantity 4	Amount 6
B.1	**Preparation works**										
B.1.1	Staking out of route and objects All geodetic surveys where data from design are transferred to the field and vice versa, during entire building works period, i.e. until presentation of works to the investor are measured and charged by m2	set	1	3 000,00	3 000,00					1	3 000,00
B.1.2	Survey of the "as built" condition of the roadways after final completion of all works. Survey shall be performed by the authorized company. Calculation shall be based on surveyed area	set	1	4 500,00	4 500,00					1	4 500,00
B.1.3	Traffic regulation where necessary during works period. Safeguard of construction site, including all necessary signs, light signals and similar	set	1	2 000,00	2 000,00					1	2 000,00
B.1	**Preparation works TOTAL**				9 500,00						9 500,00
B.2	**Excavation works and sub base of roadway**										
B.2.1	Excavation in existing ground of category B for construction of plateau and roads (*HRN U.E1.010*) Works include wide excavation for construction of the calculated roadway layer thickness. Safety precautions and required safeguard of existing objects, installation and communications shall be undertaken during excavation. Adequate machines shall be engaged in wide excavation, while manual excavation should be limited to required minimum										

				CONTRACTED QUANTITIES Include VO2							
	Extreme precautions shall be applied during excavation while excavation adjacent to installation shall be performed manually. Manual excavation volume is assumed to be 20%. All excavations shall be arranged in line with foreseen elevations and slope as per design and in accordance to the supervisory engineer requirements. Calculation shall be based on the m3 of excavated material in crammed condition.	m3	685	40,00	27 400,00			632	25 280,00	53	2 120,00
B.2.2	Making the embankment of gravel or stone (dolomite) This work includes - delivery of the filling material of gravel or stone (dolomite) from site-reclamation and siltation layers of 30 cm - possibly wetting or drying and compaction and planning materials in the embankment by the dimensions and grades given in the project. Mound under gates surface running of gravel or stone (dolomite) in the layer whose thickness is determined depending on the type of material and the compactor. Tamping should be done so that every layer reaches ME = 40 N/mm2. The calculation is done per m3 made embankments in packed condition.	m3	360	27,00	9 720,00			76	2 052,00	284	7 668,00
B.2.3	Construction of roadway bed. Mechanical compaction of roadway base layer. The price includes previous cleaning and leveling as well as work necessary to obtain optimal soil moisture either by damping or drying and crushing. For stony ground the price includes leveling with up to 20 cm layer of small stones and compaction. Performance, quality control and calculation of charges according to the General technical conditions for roadworks.	m2	515	15,00	7 725,00	22	330,00			537	8 055,00
B.2.4	Construction of roadway buffer layer (40 cm thick.) Procurement and supply of gravel or crushed stones, construction of roadway buffer layer of total thickness equal to 40 cm. Gravel of adequate size class and required purity, previously examined, shall be used. Compaction with adequate compactors in order to obtain bulk density of Me = 60 MN/m. The calculation shall be based on m3 of required and used gravel.	m3	220	75,00	16 500,00			5,2	390,00	214,8	16 110,00
B.2	**Excavation works and sub base of roadway TOTAL**				**61 345,00**		**330,00**		**27 727,00**		**33 953,00**
B.3	**Pavement structure**										
B.3.1	Machine paving of bitumen support layer, mixed and laid using hot mixed technology with bitumen and mixture of approved working composition. For a medium traffic load, type AC 22 base 50/70, layer thickness 8,0 cm for roads and handling areas. The price shall include supply of machine made mixture of stone dust, gravel and bitumen as binder, of largest granule nominal size, stone type and granularity as per directives stated in design, as well as loading, transport and machine paving (scattering and compaction).	m2	480	145,00	69 600,00	57	8 265,00			537	77 865,00
B.3.2	Machine paving of top layer in hot mix asphalt concrete (HS-AB), bitumen type and mixture of approved working composition. For a medium traffic load, type AC 11 surf 50/70, layer thickness 4,0 cm for road and handling areas. The price shall include supply of machine made mixture of stone dust, gravel and bitumen as binder (road paving bitumen or polymer modified bitumen), stone type and granularity based on the thickest mixture rule, loading, transport, machine paving (scattering and compaction).	m2	480	91,00	43 680,00	57	5 187,00			537	48 867,00
B.3.3	Installation of concrete curb 15x25x100 cm Concrete curbs supplied as a precast concrete elements which must meet the following requirements: - Concrete curbs must be made of concrete compressive strength C40 / 45. - Precast concrete elements must have straight edges and surfaces without cracks. - Incorporation of damaged pieces cannot allow. - Curbs are installed along the line and finished grade on concrete C16 / 20. This item includes the following: - Supply of prefabricated concrete elements curb C40 / 45 with all drive the curb at the construction site. - Preparation of the substrate with the necessary excavation or filling and compaction. - Design and installation of concrete pads compressive strength C16 / 20 to the processing and plating. - Laying concrete curbs in the direction and leveling. - All transports and transfers concrete and auxiliary materials. - Watering joints with cement mortar 1: 4. - It concrete and quality testing curbs and pads with obtaining certificates. Dimensions curbs are 15 x 25 x 100 cm. Calculation per m 'built a concrete curb.	m	140	135,00	18 900,00	20	2 700,00			160	21 600,00
B.3	**Pavement structure TOTAL**				**132 180,00**		**16 152,00**				**148 332,00**
B.4	**Walkways**										
B.4.1	Machine paving of bitumen support layer, mixed and laid using hot mixed technology with bitumen and mixture of approved working composition. For a medium traffic load, type AC 22 base 50/70, layer thickness 4,0 cm for roads and handling areas.										

	The price shall include supply of machine made mixture of stone dust gravel and bitumen as binder, of largest grain nominal size, stone type and granularity as per directives stated in design as well as loading, transport and machine paving (scattering and compaction	m2	31	90,00	2 790,00			31	2 790,00
B.4.2	Machine paving of top layer in hot mix asphalt concrete (HS-AC) - bitumen type and mixture of approved work composition. For a medium traffic load, type AC 11 surf 50/70, layer thickness 3,0 cm for road and handling areas The price shall include supply of machine made mixture of stone dust gravel and bitumen as binder (road paving bitumen or polymer modified bitumen) stone type and granularity based on the thickest mixture rule, loading, transport, machine paving (scattering and compaction)	m2	31	105,00	3 255,00			31	3 255,00
B.4.3	Installation of concrete curbs 8x20x50 cm around the sidewalk near the building for staff. Concrete curbs supplied as a precast concrete elements which must meet the following requirements: - Concrete curbs must be made of concrete compressive strength C40 / 45, - Precast concrete elements must have straight edges and surfaces without cracks, - Incorporation of damaged pieces cannot allow, - Curbs are installed along the line and finished grade on concrete C 16 / 20 This item includes the following: - Supply of prefabricated concrete elements curb C40 / 45 with all delivery to the construction site - Preparation of the substrate with the necessary excavation or filling and compaction, - Design and installation of concrete pads compressive strength C16 / 20 to the processing and plinting, - Laying concrete curbs in the direction and leveling - All transport and transfers concrete and auxiliary materials, - Watering joints with cement mortar 1:4, - All concrete and quality testing curbs and pads with obtaining certificates. Dimensions curbs are 8 x 20 x 50 cm Calculation per m built a concrete curb	m	28	100,00	2 800,00	28	2 800,00		
B.4	[illegible] TOTAL				8 845,00		2 800,00		5 645,00
	[illegible]								
B.5.1	Excavation of foundations, fabrication of concrete foundations (truncated pyramid like, with base and top edge length of 30 and 20 cm respectively) made of class C 20/25 concrete, including supply, installation and treatment and backfilling and removal of excess material after completion The price includes supply of material, form board for foundation, installation of anchoring and support pads for fixing the pole Calculation shall be based on number of completed foundations	pcs	2	300,00	600,00			2	600,00
B.5.2	Setting traffic sign posts (supports), one post per sign, made of Fe pipe, dia 63,5 mm, hot galvanized 85 µm layer or double system of the same protection, dimensions and type in accordance to the traffic infrastructure and signals design and in line with Regulations on traffic signs, infrastructure and signals on road (Official Gazette No 33/2005) and Croatian Standard HRN EN 12899-1. The price includes supply and setting of post according to design (made of aluminum or Fe pipes) including transport, shifting and storage as well as all works and materials for installation according to design requirements Calculation shall be based on number of signs set	pcs	2	600,00	1 200,00			2	1 200,00
B.5.3	Setting up mandatory (traffic) signs, circle shaped (exceptions: octagon or equilateral triangle) of 60 cm diameter according to the traffic infrastructure and signals design and in line with Regulations on traffic signs, infrastructure and signals on roads (Official Gazette No 33/2005) and Croatian Standard HRN 1116, HRN EN 12899-1, HRN EN 1790 The price includes production and supply with painting and gluing foil (1st class retroreflexion according to HRN EN 1436:2001 en = engineer intensity), transport, shifting, storage as well as all works and material, bolting and accessories for mounting in line with design requirements Calculation shall be based on number of signs set								
	B02 - mandatory stop	pcs	1	700,00	700,00			1	700,00
	B31 - speed limit	pcs	1	700,00	700,00			1	700,00
B.5.4	Making longitudinal road surface marking of size and color in accordance to the traffic infrastructure and signals design and in line with Regulations on traffic signs, infrastructure and signals on road (Official Gazette No 33/2005) and Croatian Standard HRN EN 1436, HRN EN 1871, HRN EN 1463-1 and 2, HRN U.S4.221, HRN U.S4.222, HRN U.S4.223 Full line, simple (centerline, borderline, direction line in front of obstacles), 10 cm wide The price includes cleaning of roadway immediately before making signs, tracing, provision and supply of material (paint, thinner, reflective markers) obtaining necessary permits and quality control certificates, all works, accessories and equipment for making marking	m		15,00					
B.5	Roadway infrastructure TOTAL				3 200,00				3 200,00
	CIVIL WORKS - TRAFFIC AND MANIPULATIVE AREAS - PARKING SPACES								
B.1	PREPARATION WORKS				9 500,00				9 500,00
B.2	EXCAVATION WORKS AND SUB BASE OF ROADWAY				61 345,00	330,00	27 722,00		33 953,00

			CONTRACTED QUANTITY Included 02								
B.3	PAVEMENT STRUCTURE				132.180,00		16.152,00				148.332,00
B.4	WALKWAY				8.845,00				2.800,00		6.045,00
B.5	ROADWAY INFRASTRUCTURE				3.200,00						3.200,00
B.6	PREPARATION OF DOCUMENTATION										
B	CIVIL WORKS - TRAFFIC AND MANIPULATIVE AREA SUMMARY				215.070,00		16.462,00		30.522,00		201.030,00
C	CIVIL WORKS - WATER SUPPLY AND DRAINAGE										
Item No. 1	Item description 2	Unit 3	Quantity 4	Rate 5	Amount 6	Quantity 4	Amount 6	Quantity 4	Amount 6	Quantity 4	Amount 6
C.1	Drainage										
C.1.1	Earthworks										
C.1.1.1	Machine excavation of material in category C to a depth h [m] depending on the structure with vertical necking. The works carried out depend on the equipment and technology of the contractor for all depths. The width of the trench is dependent on the nominal profile and the size of the pipe. The excavated soil is rejected aside within the work zone, and if necessary in tight spaces is transported, deposited and again transported to the place of installation when backfilling. Excavation method determined by the Contractor, and the calculations are to be carried out according to the amounts of the ideal profile of the main design so that the excess excavation shall be calculated in the price and will not be subsequently recognized. The item includes all the necessary papers and equipment for shoring and securing the trench from collapsing, according to the technology contractor, in accordance with the prescribed conditions of safety at work, including excavation required for the installation of protective plates (which is not particularly specified)										
	Materials excavation (calculation in grown-together state)										
	Objects of the drainage system										
	a) Ispection shafts - 76 m3										
	b) Water inlets - 44 m3										
	c) Separator - 46,80 m3										
	d) Absorption well - 21.15 m3										
	Oily rainfall										
	a) Oily drainage system pipeline, trench depth 1.50 m, - 19 m3										
	Sanitary waste water										
	a) sanitary waste water pipeline, trench depth 1 m, - 1,40 m3	m3	208,35	35,00	7 292,25			55	1.925,00	153,35	5.367,25
C.1.1.2	Backfilling the area around the buildings carried out by selected material from excavation grit 0-32 mm to designed certain angle. The item includes leveling and compacting the material in layers of 30 cm.										
	Backfilling with excavation material										
	a) Ispection shafts - 47 m3										
	b) Water inlets - 40 m3										
	c) Separator - 23 m3										
	d) Absorption well - 10.20m3	m3	171,3	18,00	3.083,40					171,3	3.083,40
C.1.1.3	Preparation of filling of the space around the absorption well with stone material grit 60/120 mm. The item includes leveling and compacting the material in layers of 30 cm										
	Preparation of filling										
	Absorption well filling	m3	40	100,00	4.000,00					40	4.000,00
C.1.1.4	Supply and delivery of sand grit 0-12 mm and making sand foundation level with thickness of 10 cm for laying pipelines. The item includes compaction by manual compactor										
	Preparation of sand foundation level										
	Potentially oily rainfall drainage										
	a) potentially oily rainfall drainage system pipeline - 1.85 m3										
	Sanitary waste water system										
	a) sanitary waste water pipeline - 0,15 m3	m3	11,2	160,00	1 792,00	2	320,00			13,2	2 112,00
C.1.1.5	Supply and delivery of sand / gravel or crushed stone grit 0-32 mm and filling the pipeline with a thickness of overburden above the pipe of 30 cm. The item includes compaction manual compactor. Pay special attention to lateral compaction of material between the pipe and the wall of the trench height of 0.5 D to obtain the bigger angle seating. When filling the compound should remain visible to the implementation of the pressure test.										
	Backfilling with replacement material (calculation in grown-together state)										
	Potentially oily rainfall drainage system										
	a) potentially oily rainfall pipeline - 9 m3										
	Sanitary waste water										
	a) sanitary waste water pipeline- 0,60 m3	m3	35	120,00	4 200,00	4	480,00			39	4 680,00
C.1.1.6	Backfilling space of fulfill zone of the trench above the pipeline protection zone with excavation material (max. grain size 63 mm). The item includes loading, transport, unloading, leveling and compaction of materials to the design of compression modulus in layers 30 cm thick										
	Backfilling with excavation material (calculation in grown-together state)										
	Potentially oily rainfall drainage system										
	a) potentially oily rainfall pipeline - 16,30 m3										
	Sanitary waste water										
	a) sanitary waste water pipeline - 0,60 m3	m3	160	18,00	2.880,00					160	2.880,00
C.1.1.7	Transportation of surplus material from the excavation after backfilling the space around buildings carried out on the landfill site within a distance of 500m. The item includes loading, transport and unloading and spreading material at the landfill										
	Transportation of excavation material (calculation in grown-together state)										

					CONTRACTED C.I. TRADE Include VAT						
	Buildings a) Inspection shafts - 16,60m3 b) Water inlets - 1,20 m3 c) Separator - 24 m3 e) Absorption well - 15,80 m3 Potentially oily rainfall drainage system a) potentially oily rainfall pipeline - 10,85 m3 Sanitary waste water a) sanitary waste water pipeline - 0,75 m3	m3	190	12,00	2 280,00					190	2 280,00
C.1.1.8	Supply, delivery and installation of sand grit 0-12 mm for the performance of gravel substrate below the separator with thickness of 15 cm. The item includes compaction by a manual compactor Preparation of substrate Separator - 0,90 m3	m3	4,1	160,00	656,00					4,1	656,00
C.1.1	**Earthworks total**				**26 183,65**		**800,00**		**1 925,00**		**28 058,65**
C.1.2	**Concrete work**										
C.1.2.1	Supply, delivery and installation of base concrete of compressive strength C16 / 20, depending on the thickness of the building. The item includes all possibly necessary formwork, care and attestation of compressive strength a) Inspection shafts - (0,3 m3/piece) - 1,20 m3 b) Water inlets - (0,1 m3/piece) - 0,20 m3 c) Control shaft - (0,3 m3/piece) - 0,30 m3	m3	2,4	750,00	1 800,00	1	750,00			3,4	2 550,00
C.1.2.2	Supply, delivery and installation of concrete of compressive strength C25 / 30 in concrete slab and crown of inspection shafts and water inlets. The item includes all possibly necessary formwork, concrete care and attestation of compressive strength Inspection shafts (4 pieces) a) slab - (0,3m3/piece) - 1,20 m3 b) crown - (0,5m3/piece) - 2,0 m3 Water inlets (2 pieces) a) slab - (0,1m3/piece) - 0,20 m3 b) crown - (0,15m3/piece) - 0,30 m3	m3	2,7	1 000,00	2 700,00	1	1 000,00			3,7	3,7
C.1.2	**Concrete work total**				**4 500,00**		**1 750,00**				**6 250,00**
C.1.3	**Reinforcement works**										
C.1.3.1	Supply, delivery and installation of structural reinforcement of steel B 500 B of the slab and the crown of the sanitary water collection reservoir. The strike involves cutting, shaping, transfer to the construction site, installation and connection fittings to the ground rig. The item also includes approval of implemented reinforcement Inspection shafts (4 pieces) a) slab - (30kg/piece) - 120kg b) crown - (40 kg/piece) - 160kg Water inlets (2 pieces) a) slab - (10kg/piece) - 20kg b) crown - (15kg/piece) - 30kg	kg	330	8,00	2 640,00					330	2 640,00
C.1.3	**Reinforcement works total**				**2 640,00**						**2 640,00**
C.1.4	**Installation works**										
C.1.4.1	Supply, delivery and installation of corrugated HDPE and PVC sewage pipes for drainage potentially oily storm and sanitary wastewater. It includes all required work and materials for their installation Potentially oily rainfall drainage system a) PEHD OD/ID 200/171 mm, SN 8 - 71,70 m b) PEHD OD/ID 160/141 mm, SN 8 - 9,50 m Sanitary wastewater a) PVC OD/ID 160/152 mm, SN 4 - 11,00 m b) PEHD OD/ID 110/99,4 mm, SN 8 - 6,00 m	m	98,2	75,00	7 365,00	5	375,00			103,2	7
C.1.4.2	Supply, delivery and installation of corrugated HDPE sewer pipes OD / ID 1000/851 mm, SN 8, for the performance of the body of inspection shafts. The item includes the preparation of shafts with all the elements (plates bottom, pipe connections, channel ...) to full readiness, including the performance of climbers from PE sheet thickness min 2 cm, width 45 cm back protection and performance. It includes all needed works and materials for installation to full functionality Potentially oily rainfall drainage system a) Inspection shafts- 4 pieces	pcs	3	5 000,00	15 000,00					3	15 000,00
C.1.4.3	Supply, delivery and installation of corrugated HDPE sewer pipes OD / ID 1000/851 mm, SN 8, for the performance of absorption well, including the performance of climbers from PE sheet thickness min 2 cm, width 45 cm, back protection and performance of the perforation of the well which is located below level of inlet pipe. It includes all needed works and materials for installation to full functionality a) Absorption well - 1 piece	pcs	1	3 000,00	3 000,00					1	3 000,00
C.1.4.4	Supply, delivery and installation of caps of HDPE sheet thickness min 2 cm. It includes all needed works and materials for installation to full functionality Embedded caps of inspecting shafts - 4 pieces Embedded caps od control shaft - 1 piece	pcs	4	2 000,00	8 000,00					4	8 000,00
C.1.4.5	Supply, delivery and installation of corrugated HDPE sewer pipes OD / ID 500/431 mm, SN 8, for the performance of water inlets. The item includes making the inlet with all the elements (plates bottom, pipe connections ...) to full readiness. It includes all needed works and materials for installation to full functionality. Calculation per piece of performed inlets Performed water inlets	pcs	2	1 500,00	3 000,00					2	3 000,00

		CONTRACTED G.T.TRADE include VO							
C.1.4.6	Supply, delivery and installation of cast iron grids on the water inlets capacity D 400 kN according to EN-124 :2005, measuring 400 x 400 mm. It includes all needed works and materials for their installation to full functionality.								
	Embedded grids	pcs	2	500,00	1 000.00			2	1 000.00
C.1.4.7	Supply, delivery and installation of cast iron square covers measuring 600 x 600 mm. It includes all needed work and material for their installation								
	Sanitary waste water collection reservoir								
	a1 Embedded covers class B 125 kN 1IRN EN-124:2005	pcs	1	600,00	600.00			1	600.00
C.1.4.8	Supply, delivery and installation of a standard separator according to EN 858-1 volume of 5000 liters and a flow rate of 20 l / s. Dimensions of the separator are LxBxH -3.0 x 1.30 x 1.35 m. It includes all the accessories that are located in the separator together with 2 cast iron covers on the openings for inspection capacity B 125 kN								
	It includes all needed works and materials for the installation of the separator to full functionality.								
	Separator	pcs	2	30 000,00	60 000.00			2	60 000.00
C.1.4.9	Initial charging the separator with clean water to check water resistance of compounds including assembly and dismantling of temporary water supply and other necessary equipment. Before charging the separator must be placed on the arranged surface and joints must not be overwhelmed by the excavation material. Calculation per piece of equipment tested								
	Initial charging of the built-in separator	pcs	2	1 000.00	2 000.00			2	2 000.00
C.1.4.10	Testing of the entire drainage system (the rainfall drainage system and sanitary drainage) on the waterproofing of joints and flow (including inspection shafts and water inlets) with water at the appropriate pressure. Item includes assembly and disassembly of temporary supply of water and other necessary equipment. Before filling the pipeline must be buried except compounds. A pressure test has to be carried out according to regulations. Calculation per meter of tested sewage								
	Testin of the drainage system	m'	129.2	100,00	12.920.00	30	3 000.00	159.2	15 920.00
C.1.4.11	Zero cleaning of newly drainage system (the rainfall drainage system and sanitary drainage) after the completion of all previous works. It includes all needed works and materials for the execution. Calculation per meter of cleaned sewage								
	Zero cleaning of drainage system	m'	129.2	50,00	6 460.00	30	1 500,00	159,2	7 960.00
C.1.4.12	Linear drainage channel								
	Linear drainage channel with capacity C400 according to EN EN 1433. Because of their specific V-section channel is characterized by a faster rate of runoff and better self-cleaning effect. The channel is made of polymer concrete, a building height of 480 mm. Fog channel width is 400 mm, width 450 mm construction, building length of 1000 mm								
	The edges of the channel are reinforced bracket of galvanized steel with thickness of 4 mm, which serves as a seat for taking the cover grid. The channel is carried out by laying the concrete base brand C25 / 30 thickness of 20 cm, side channel concrete pledge. The upper edge of the grid is performed at the level of 2-5 mm below the level of finished finishing the surrounding area. All the accessories for mounting to full functionality. Product as ACO Multiline V400 or equal								
C.1.4.12.1	Product as Multiline V400 or equivalent- construction height 480 mm. Channel width is 400 mm, width 450 mm construction, building length of 1000 mm	m	16.6	1.600,00	26.560,00			16.6	26.560.00
C.1.4.12.2	Product as Multiline V400 or equivalent, cover grating ACO Multiline V400 load C400 according to EN EN 1433 (medium-heavy traffic) from cast iron	m	16.6	2 000,00	33.200,00			16.6	33.200,00
C.1.4.12.3	Collector for the product as ACO Multiline V400 or equivalent from polymer concrete, with Drainlock® strengthening the grid without screws, with the precipitation vessel made of PVC	pcs	3	5.000,00	15.000,00			3	15 000,00
C.1.4.12.4	Making the concrete foundation of quality C 20/25 according to the manufacturer of equipment cross-section and dimensions recommended by the manufacturer of equipment depending on the installation site, approximately. Detailed elaboration according to the manufacturer's instructions	m3	5,5	1 000,00	5 500.00			5.5	5 500,00
C.1.4.12	Linear drainage channel total				80.260,00				80.260,00
C.1.4	**Installation works total**				**199.605,00**		**4 875,00**		**204.480,00**
C.1	**Drainage TOTAL**				232 928,65		7 425,00	1 925,00	238 428,65
C.2.	**Water supply system**								
C.2.1	**Earthworks**								

13B

C.2.1.1	Machine excavation of material in category C to a depth h [m] depending on the structure with vertical necking. The works carried out depend on the equipment and technology of the contractor for all depths. The width of the trench is dependent on the normal profile and the size of the pipe. The excavated soil is rejected inside within the work zone, and if necessary in tight spaces is transported, deposited and again transported to the place of installation when backfilling. Excavation method determined by the Contractor, and the calculations are to be carried out according to the amounts of the ideal profile of the main design so that the excess excavation shall be calculated in the price and will not be subsequently recognized. The item includes all the necessary papers and equipment for shoring and securing the trench from collapsing according to the technology contractor in accordance with the prescribed conditions of safety at work, including excavation required for the installation of protective plates (which is not particularly specified).									
	Materials excavation (calculation in grown-together state)									
	Objects									
	sanitary water collection reservoir - 29,60 m3									
	sanitary network									
	a) sanitary network pipeline, trench depth 1,0 m - 2,00m3	m3	31.6	45,00	1 422,00				31.6	1.422,00
C.2.1.2	Supply, delivery and installation of sand / gravel or crushed stone grit 0-32 mm for making substrate under sanitary water collection reservoir, at a thickness of 10 cm. The item includes compaction by manual compactor									
	Substrate preparation (calculation in grown-together state)									
	sanitary water collection reservoir	m3	0,67	120,00	80,40				0,67	80,40
C.2.1.3	Backfilling the area around the buildings carried out by selected material from excavation grit 0-32 mm to designed certain angle. The item includes leveling and compacting the material in layers of 30 cm									
	Filling preparation (calculation in grown-together state)									
	sanitary water collection reservoir	m3	37,86	18,00	681,48				37,86	681,48
C.2.1.4	Supply and delivery of sand grit 0-12 mm and preparation of sand formation level with thickness of 10 cm for laying pipelines. The item includes compaction by manual compactor									
	Preparation of san formation level(calculation in grown-together state)									
	Sanitary network									
	sanitary network pipeline	m3	3,9	160,00	624,00	0,1	16,00		4	640,00
C.2.1.5	Supply and delivery of sand / gravel or crushed stone grit 0-32 mm and filling the pipeline with an overlayer above the pipe of 30 cm. The item includes compaction by manual compactor. Pay special attention to lateral compaction of material between the pipe and the wall of the trench height of 0.5 D to obtain the bigger angle seating. When filling the compound should remain visible to the implementation of the pressure test									
	Backfilling with replacement material (calculation in grown-together state)									
	Sanitary network									
	sanitary network pipeline	m3	3,3	120,00	396,00				3,3	396,00
C.2.1.6	Backfilling space of fulfill zones of the trench above the pipeline protection zones pipeline with excavation material (max. grain size 63 mm) to designed level. The item includes loading, transport, unloading, leveling and compaction of materials to the designed compression modulus in layers 30 cm thick.									
	Backfilling with excavation material (calculation in grown-together state)									
	Sanitary network									
	sanitary network pipeline	m3	2,2	18,00	39,60				2,2	39,60
C.2.1.7	Transportation of surplus material from the excavation after backfilling the space around buildings carried out on the landfill site within a distance of 500m. The item includes loading, transport and unloading and spreading material at the landfill									
	Transportation of excavation material (calculation in grown-together state)									
	Objects									
	Sanitary water collection reservoir - 11,10 m3									
	Sanitary network									
	Sanitary network pipeline - 0,90 m3	m3	38	12,00	456,00				38	456,00
C.2.1	**Earthworks total:**			**3.699,48**			**16,00**			**3.715,48**
C.2.2	**Concrete works**									
C.2.2.1	Supply, delivery and installation of concrete of compressive strength C25 / 30 in concrete slab and crown of sanitary water collection reservoir. The item includes all possibly necessary formwork, concrete care and attestation of compressive strength									
	a) slab - 0,2 m3									
	b) crown - 0,10 m3	m3	0,3	1.000,00	300,00	0,5	500,00		0,8	800,00
C.2.2	**Concrete works total:**			**300,00**			**500,00**			**800,00**
C.2.3	***Reinforcement works***									
C.2.3.1	Supply, delivery and installation of structural reinforcement of steel B 500 B of the slab and the crown of the sanitary water collection reservoir. The strike involves cutting, shaping, transfer to the construction site, installation and connection fittings to the grouting. The item also includes approval of implementation reinforcement									
	a) slab - (15kg/piece) - 15kg									
	b) crown - (20kg/piece) - 20kg	kg	35	7,50	262,50				35	262,50

				CONTRACTOR'S TRADE incl. de VOZ							
C.2.3	**Reinforcement works total:**				**262,50**						**262,50**
C.2.4	**Installation works**										
C.2.4.1	Supply, delivery and installation of smooth HDPE pressure pipes for the sanitary network. It includes all needed works and materials for their installation. Calculation per m of embedded pipes.										
	Sanitary network										
	a) PE-HD OD 32 mm, SDR 17, PE 100, PN 10	m	11	50,00	550,00					11	550,00
C.2.4.2	Supply, delivery and installation of HDPE pressure fittings for the performance of the sanitary network. It includes all needed work and material for their installation										
	Sanitary network										
	a) electrical knee OD32/90°, PE100, SDR 11	pcs	8	280,00	2.240,00					8	2.240,00
C.2.4.3	Supply, delivery and installation of standard containers (reservoir) for water systems made of hard polyethylene according to DIN EN 1898, the volume of 6000 l. The dimensions of the reservoir are LxBxH 2,88x180x2,05 m. It includes all needed works and materials for the installation and connection to the pipeline. Calculation per unit of implanted reservoir.										
	Reservoir	pcs	1	13.500,00	13.500,00					1	13.500,00
C.2.4.4	Supply, delivery and installation of self-priming pump that sucks up below the pump. The pump consists of pump, motor, pressure tank, pressure sensor and flow regulator and check valve.										
	The controller provides automatic start of the pump during the consumption of water and automatically stops when the consumption ceases. In addition, the controller protects the pump in case of failure / malfunction. The pump must meet the flow of 3 m3 / h and lifting height 23 m. It includes all needed works and materials for the installation and connection of the sanitary water collection reservoir, up to full readiness / functionality. Calculation per piece of incorporated self-priming pump. *										
	Integrated pump	pcs	1	4.200,00	4.200,00					1	4.200,00
C.2.4.5	Supply, delivery and installation of cast iron canal cover of circular shape with a diameter of 600 mm. It includes all needed works and materials for the installation of the sanitary water collection reservoir.										
	Cover class B 125 kN, according to HRN EN-124:2005	pcs	1	850,00	850,00					1	850,00
C.2.4.6	Testing of the entire water system (sanitary network) on waterproofing of joints and flow with water at the appropriate pressure. Item includes assembly and disassembly of temporary supply of water and other necessary equipment. Before filling, the pipeline must be buried except for compounds. A pressure test has to be carried out according to regulations. Calculation per meter of tested the water supply system.										
	Testing of the water supply system	m	8	100,00	800,00	3	300,00			11	1.100,00
C.2.4.7	Zero cleaning the internal water supply system (sanitary network) after completing all the previous works. It includes all needed work and material for the execution of cleaning.										
	Zero cleaning of water supply system	m	8	50,00	400,00	3	150,00			11	550,00
C.2.4.8	Disinfection of sanitary network pipeline. It includes all needed works and materials to perform.										
	Disinfection of the pipeline	m	8	500,00	4.000,00	3	1.500,00			11	5.500,00
C.2.4	**Installation works total:**				**26.540,00**		**1.950,00**				**28.490,00**
C.2	**Water supply system TOTAL**				30.801,98		2.466,00				33.267,98
C	**CIVIL WORKS - WATER SUPPLY AND DRAINAGE**										
C.1	**DRAINAGE**				**232.928,65**		**7.425,00**		**1.925,00**		**238.428,65**
C.2	**WATER SUPPLY SYSTEM**				**30.801,98**		**2.466,00**				**33.267,98**
C	**CIVIL WORKS - WATER SUPPLY AND DRAINAGE SUMMARY**				**263.730,63**		**9.891,00**		**1.925,00**		**271.696,63**
D	**CIVIL WORKS - CONSTRUCTION**										
Item No 1	Item description 2	Unit 3	Quantity 4	Rate 5	Amount 6	Quantity 4	Amount 6	Quantity 4	Amount 5	Quantity 4	Amount 6
D.1	**Earth works**										
D.1.1	Excavation of soil with dumping in vicinity of the construction pit. This item also includes compaction of base soil to the designed compaction module. Calculation is conducted per m3 of soil in its natural state.	m³	790	90,00	71.100,00					790	71.100,00
D.1.2	Backfilling of construction pit (after construction of foundations) with the material from the excavation. Backfilling of the construction pit is to be realized in 20 cm thick layers with compaction of each layer separately. Calculation is conducted per m3 of soil in its natural state.	m³	90	18,00	1.620,00					90	1.620,00
D.1.3	Transportation of the excess material from the excavation after backfilling to the dump site up to 5 km. This item includes loading, transportation and unloading, as well as levelling of the material, at the dump site. Calculation is conducted per m3 of soil in its natural state.	m3	397,11	12,00	4.765,32	325,89	3.910,68			723	8.676,00
D.1	**Earth works TOTAL**				**77.485,32**		**3.910,68**				**81.396,00**
D.2	**Concrete works**										
D.2.1	Concreting of the lean concrete in C16/20 concrete. This item includes production, i.e. supply and transportation of concrete, placement and curing of fresh concrete. Calculation is conducted per m3 of placed concrete.										

	CONTRACTED CZ TRADE (include VO2)									
	a) Building for personnel foundation slab	m3	2.06	750,00	1 545,00				2,06	1 545,00
	b) Sanitary waste water collection reservoir	m3	1,5	750,00	1 125,00				1,5	1 125,00
	c) Weigh	m3	2,96	750,00	2 220,00				2,96	2 220,00
	d) Garage for compactor	m3	10,6	750,00	7 950,00				10,6	7 950,00
	e) Wheel washing facility	m3		750,00						
	f) Stable electric diesel engine foundation slab	m3	0,76	750,00	570,00				0,76	570,00
D 2 2	Concreting in C 30/37 concrete This item includes production, supply and transportation of concrete placement and curing of fresh concrete This item also includes the appropriate formwork and all the materials and works related to that Calculation is conducted per m3 of placed concrete									
	a) Building for personnel foundation slab	m3	3,2	1 350,00	4 320,00				3,2	4 320,00
	b) Sanitary waste water collection reservoir	m3	11,24	1 350,00	15 174,00				11,24	15 174,00
	c) Weigh	m3	21,05	1 350,00	28 417,50				21,05	28 417,50
	d) Garage for compactor	m3	40,17	1 350,00	54 229,50				40,17	54 229,50
	f) Stable electric diesel engine foundation slab	m3	1,5	1 350,00	2 025,00				1,5	2 025,00
D 2 3	Concreting in C20/25 concrete This item includes production, supply and transportation of concrete placement and curing of fresh concrete This item also includes the appropriate formwork and all the materials and works related to that Calculation is conducted per m3 of placed concrete									
	a) Weigh	m3	2,14	1 300,00	2 782,00				2,14	2 782,00
	b) Garage for compactor	m3	8,5	1 300,00	11 050,00				8,5	11 050,00
	c) Wheel washing facility	m3		1 300,00						
D 2 4	Concreting foundation blocks for the fence of 0 40 x 0 40 x 0 45 m dimensions with concrete of compression strength C20/25 The foundations are at the axial distance of 200 0 cm The price includes the supply and transport of concrete and mechanical placement and curing of fresh concrete and the formwork	pcs	155	95,00	14 725,00				155	14 725,00
D.2	**Concrete works TOTAL**				**146 133,00**					**146 133,00**
D.3	**Reinforcement works**									
D 3 1	Supply, cutting, bending, transportation and placing of reinforcement This item includes all the work and material Calculation is conducted per kg of placed reinforcement									
	a) Building for personnel foundation slab	kg	455,78	7,50	3 418,35				455,78	3 418,35
	b) Sanitary waste water collection reservoir	kg	1 216,04	7,50	9 120,30				1216,04	9 120,30
	c) Weigh	kg	1 081,20	7,50	8 109,00				1081,2	8 109,00
	d) Garage for compactor	kg	4 409,49	7,50	33 071,18				4409,49	33 071,18
	e) Wheel washing facility	kg	3 520,00	7,50	26 400,00	3520	26 400,00			
	f) Stable electric diesel engine foundation slab	kg	164,58	7,50	1 234,35				164,58	1 234,35
D.3	**Reinforcement works TOTAL**				**81 353,18**		**26 400,00**			**54 953,18**
D.4	**Steelworks**									
D 4 1	Fabrication, transportation and installation of garage for compactor according to the executable documentation technical description and specification of materials The price of this item includes supply and delivery of steel (hot cast profiles, seamless round tubes, sheets, hot tubing square and rectangular hollow profiles, screws, making workshop documentation and production of steel tower structure supply of electrodes, welding blackmail includes work and all necessary material with loading, unloading, transport and transfer of materials and construction as well as the necessary machinery and the costs of testing materials									
	Provides for the protection of AK steel construction hot-dip galvanized, with previous blasting and surface preparation According to standard EN 12944-2 - protection category C2 Complete the steel construction is cleaned to the level Sa 2 ½ (blasting, chemical equipments, brushes)									
	Is calculated kg steel, actually built into the design, quality confirmed, size, and position exactly according to the project Corrosion protection of the supporting steel structure Complete the steel construction is cleaned (sandblasting chemical equipment, brushes) need to be cleaned before construction hot-dip galvanizing process									
	During installing receiving ropes must be of non-metals (tape) which do not damage the corrosion protection layers of the structure Upon completion of construction installation, repair damaged parts of the coating The surfaces of the steel structure that contact with concrete not to be painted	kg	1 905,00	27,00	51 435,00	1010	27 270,00		2915	78 705,00
D 4 2	Supply, delivery, assembly and anti-corrosive protection of steel structure wheel washing facility fence Calculation is conducted per m of mounted steel structure members	m		85,00						
D.4	**Steelworks TOTAL**				**51 435,00**		**27 270,00**			**78 705,00**
D.5	**Roofing works**									
D 5 1	Roof metalware Procurement and installation of roof metalware from steel galvanized plastic coated sheet metal Including all necessary materials for attaching to the concrete building structure (hooks, clamps), sealed element joints Construction and assembly according to a detailed blueprint and agreement with the designer Color according to design The item includes all materials and labor Calculated by m' of assembled finalized metalware									
	The gutters made from galvanized steel 0 55mm thick, rectangular cross section 15 x 15 cm with a slope on both sides, attached by galvanized steel hooks 30/3 mm to the roof purlins in the middle of the roof spaced about 75 cm apart									
	Vertical drainage pipes made from galvanized steel 0.55 mm thick, square cross section 10 x10 cm Drainage pipes are fixed to the pillars by galvanized collars made from flat steel 30/3 mm Collars are installed around every 1 00 m									
	Color RAL 7004, gray	m		185,00						

			CONTRACTED G.T.TRADE include VO2			Plus VO				Total by VO	
D.5.2	Covering the roof with sheet metal Procurement and assembly of roof covering steel sheets d=0.55. Grading of the steel sheet S250, galvanized 275 g/m2 according to EN10142 and EN10147-2000 norms, load bearing 1.50 kN/m2, final coating of polyester paint RAL 7004 (gray) 25 microns thick. The item includes the necessary substructure for fastening the covering steel sheets. The substructure is secured to the reinforced concrete sloped slab or to the steel structure (according to the design) according to the details of the manufacturer. The item includes all necessary covering and flashing profiles on surface aberrations, rustproof bolts, washers and seals. Insulating layers under the cover are calculated separately. Creation of the workshop documentation and execution details have to be submitted by the constructor to the designer for approval. The item included all necessary materials and labor. Calculated by m2 of installed cover										
		m2		255,00							
D.5	**Assembly works TOTAL**										
D	**CIVIL WORKS- CONSTRUCTION**										
D.1	**EARTH WORKS**				**77.485,32**		**3.910,68**				**81.396,00**
D.2	**CONCRETE WORKS**				**146.133,00**						**146.133,00**
D.3	**REINFORCEMENT WORKS**				**81.353,18**				**26.400,00**		**54.953,18**
D.4	**METAL WORKS**				**51.435,00**		**27.270,00**				**78.705,00**
D.5	**ASSEMBLY WORKS**										
D	**CIVIL WORKS- CONSTRUCTION SUMMARY**						**31.180,68**		**26.400,00**		**361.187,18**
E	**CIVIL WORKS - LANDFILL (STAGE II. PHASE**										
Item No	Item description	Unit	Quantity	Rate	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount
1	2	3	4	5	6	4	6	4	6	4	6
E.1	**Excavation of landfill basins for landfill cells I, II, III and IV and construction of the clean stormwater drainage system and macadam roads.**										
E.1.1	**Preparation works**										
E.1.1.1	Preparation work includes the preparation for undisturbed work at the construction site (disposal site), namely the elaboration of all activities which are necessary for the construction to be built in accordance with valid laws and regulations and provisions in the contracted period and respecting contracted economic-financial conditions. Preparation work starts with the elaboration of the Organization design by the Client. After the elaboration of the Construction organization design it is delivered to the Client for acceptance and approval. The Calculation according to the set of elaborated design										
		set	1	27.000,00	27.000,00					1	27.000,00
E.1.1.2	Realization of temporary construction roads and parking lots, including the road toward the dump in the area of the disposal site, placing construction facilities (barracks, containers, and similar), realization of all necessary installations for the work, and supply and delivery of all necessary equipment, everything according to the elaborated Construction organization design accepted by the Client. The item includes the maintenance of everything specified during construction and removal after the completion of works. Calculation per set										
		set	1	10 000,00	10.000,00					1	10.000,00
E.1.1.3	Cutting of bushes, brushwood and trees of all dimensions and their removal from the disposal site and protection zone (in the area where excavation and backfilling are performed). The work includes cutting and removal of brushwood, bushes and trees with roots from the entire surface of the disposal including the boundary channel and fire access road, and disposal in the area of the disposal in the place determined according to the Construction organization design. Work is measured and calculated in square meters (m2) of plan area, disregarding the density and coverage of the vegetation certified by the supervising engineer.										
		m2	9 315.81	1,20	11 178,97					9315,81	11.178,97
E.1.1.4	Surveying works include the compilation of the elaborate for the stakeout of the building, stakeout of the structure on terrain, all measurements regarding the transfer of data from the design onto the terrain and vice versa, preservation of stakeout markings on terrain during the entire period from the beginning of works until the handover of all works to the client and elaboration of the as-built survey. Calculation per m2 of plan area.										
		m2	46 625.00	0,70	32.637,50					46625	32.637,50
E.1.1	**Preparation works TOTAL**				**80.816,47**						**80.816,47**
E.1.2	**Earthworks**										
E.1.2.1	Mechanical excavation of class "B" material, to the elevations specified in the design. The item includes excavation, transport and disposal at the place where backfilling shall be performed. The excavation includes also the fragmentation of large pieces into grains of maximum size of 40 cm. Calculation is conducted per m3 of actually excavated and transported material in natural condition, based on surveyed profiles and in the presence of the supervising engineer who shall also determine the class and percentage of excavated material										
		m3	16 308.21	33,00	538 170,93			300	9 900,00	16008.21	528.270,93

		CONTRACTED Prices include VAT								
E.1.2.2	Construction of the embankment for achieving the dimensions specified in the design with the material from the excavation (stone material). The item includes spreading, levelling and compaction to the necessary compaction level (≥ 40 MN/m2) of *transported material*. Backfilling is conducted in layers, and all the compaction level requirements of the previous layer have to be satisfied, which has to be shown to the supervising engineer. Maximum thickness of the spread layer of the embankment is determined by the contractor from his experience or on a trial section. All the works regarding the trial section are to be borne by the contractor. The item includes all the necessary testing regarding the construction of the embankment specified in the quality control programme									
		m3	43.959,15	13,00	571.468,95			3500	45.500,00	40459,15	525.968,95
E.1.2.3	Supply, delivery and installation of the material for anchor trench. Material is stone granulation 0/63 mm. The item includes loading, transport, spreading, levelling and compaction of the material until the necessary compaction level (≥20MN/m2). Calculation per m3 of placed material in compacted state									
		m3	1178,91	45,00	53.050,95					1178,91	53.050,95
	MACADAM ROAD									
E.1.2.4	Construction of the embankment for achieving the dimensions specified in the design with the material from the excavation (stone material). The item includes spreading, levelling and compaction to the necessary compaction level (≥ 40 MN/m2) of *transported material*. Backfilling is conducted in layers, and all the compaction level requirements of the previous layer have to be satisfied, which has to be shown to the supervising engineer. Maximum thickness of the spread layer of the embankment is determined by the contractor from his experience or on a trial section. All the works regarding the trial section are to be borne by the contractor. The item includes all the necessary testing regarding the construction of the embankment specified in the quality control programme									
		m3	3.220,00	23,50	75.670,00			1600	37.600,00	1620	38.070,00
E.1.2.5	Supply, delivery and installation of stone materials granulation 0/63 mm for installation in the buffer layer of the fire safety roads. Thickness of the layer is 35 cm. The item includes loading, transport, *spreading, levelling and compaction of the material* until the necessary compaction level. The item includes all the necessary testing specified in the chapter Quality control and insurance programme. Calculation per m3 embedded material									
		m3	285	65,00	18.525,00			55	3.575,00	230	14.950,00
E.1.2.6	Supply, delivery and installation of chippings in the upper layer of the safety road. Thickness of the layer is 10 cm. The item includes loading, transport, spreading, levelling and compaction of the material until the necessary compaction level. The item includes all the necessary testing specified in the chapter Quality control and insurance programme. Calculation per m3 embedded material									
		m3	65	85,00	5.525,00					65	5.525,00
E.1.2.7	*Transport of excess material from* the excavation after backfilling the area around the building carried out at the landfill within construction site at distances up to 500m. The item includes loading, transport and unloading and spreading material at the landfill.									
		m3	78.404,00	2,50	196.010,00					78404	196.010,00
E.1.2	**Earthworks TOTAL**				**1.458.420,83**				**96.575,00**		**1.361.845,83**
E.1.3	**Rainfall collection system**									
E.1.3.1	PERIMETER CHANNEL									
E.1.3.1.1	Construction of the trapezoidal perimeter channel. The channel is of trapezoidal shape of 60 cm width in the lower part, and 160 cm width in the upper part and of 50 cm height with the slope inclination 1:1. The channel has to be realized exactly according to dimensions specified in the design. The item includes forming the channel shape in already realized embankment, spreading and levelling and compaction to *the necessary compaction level (>40 MN/m2)* or by excavation in the cutting. Calculation is conducted per m of formed channel.									
		m	725	45,00	32.625,00			45	2.025,00	680	30.600,00
E.1.3.1.2	Concreting lateral sides of the canal after forming the canal shape in concrete of d=12,0 cm thickness and *of compressive strength C 25/30. Concrete reinforced* with mesh reinforcement Q-131 with retarders flow channels on slopes greater than 7%. The item includes supply (batching) of concrete, placement and concrete curing and placement of fabric reinforcement and formwork. Calculation is conducted per m3 of embedded concrete									
		m3	235	1.300,00	305.500,00			12,5	16.250,00	222,5	289.250,00
E.1.3.2	RC CULVERT									
	Construction of RC culvert with concrete compressive strength C 25/30. Concrete reinforced with mesh reinforcement Q-131st Sentence included supply (making) concrete placing and curing of concrete and placing wire mesh and formwork. The items are covered *and all necessary tests specified in section* program control and quality assurance									
	The calculation is performed by a built-ab fariure	pac	2	7.000,00	14.000,00					2	14.000,00
E.1.3.3	SEDIMENTATION TANK									
	Supply, delivery and installation of corrugated PP sewage pipes OD / ID 800/688 mm, SN 8, the performance of the body precipitator. The item includes the creation of shafts with all the elements (plates bottom, pipe connections, channel ...) to full readiness ... includes all needed work and material for installation to full functionality.									
		pac	1	3.500,00	3.500,00					1	3.500,00
E.1.3.4	RAINFALL COLLECTION RESERVOIR									

		CONTRACTED CIT TRADE include VO							
E 1.3.4.1	Concreting of the lean concrete in C16/20 concrete This item includes production i.e. supply and transportation of concrete, placement and curing of fresh concrete. Calculation is conducted per m3 of placed concrete	m3	12.06	1 000,00	12 060.00			12.06	12 060.00
E 1.3.4.2	Concreting in C30/37 concrete. This item includes production i.e. supply and transportation of concrete, placement and curing of fresh concrete. This item also includes the appropriate formwork, and all the materials and works related to that. Calculation is conducted per m3 of placed concrete	m3	88.79	1 400,00	124 306.00			88.79	124 306.00
E 1.3.4.3	Supply, cutting, bending, transportation and placing of reinforcement. This item includes all the work and material. Calculation is conducted per kg of placed reinforcement	kg	12 751,00	7,50	95 632.50			12751	95 632.50
E 1.3.4.4	Supply, delivery and installation of cast iron canal cover of circular shape with a dimension 60x60 cm. It includes all needed works and materials for the installation of the reservoir. Cover class B 125 kN, according to HRN EN-124:2005	psc	3	700.00	2 100.00			3	2 100.00
E 1.3.5	PIPELINE Supply, delivery and installation of smooth PE pipes for drainage clean rainwater to drainage well. It includes all needed works and materials for their installation. Calculation per m' of embedded pipes								
	a) PE OD/ID 315/277 mm	m'	24	100,00	2 400.00	6	600.00	18	1 800.00
E 1.3.6	REVISION SHAFT Supply, delivery and installation of corrugated HDPE sewer pipes OD / ID 1000/851 mm, SN 8, for the performance of the body of inspection shafts. The item includes the preparation of shafts with all the elements (plates bottom, pipe connections, channel) to full readiness, including the performance of climbers from PE sheet thickness min 2 cm, width 45 cm, back protection and performance. It includes all needed works and materials for installation to full functionality.								
	a) Revision shaft	psc	1	5 000,00	5 000.00			1	5 000,00
E 1.3.7	FILTRATION WELL Supply, delivery and installation of corrugated HDPE sewer pipes OD / ID 1000/851 mm, SN 8, for the performance of absorption well, including the performance of climbers from PE sheet thickness min 2 cm, width 45 cm, back protection and performance of the perforation of the well which is located below level of inlet pipe. It includes all needed works and materials for installation to full functionality.								
	a) Infiltration well - 1 piece	psc	1	6 500,00	6 500.00			1	6 500,00
E 1.3	**Rainfall collection system TOTAL**				**603 623,50**		**18 875,00**		**584 748,50**
E 1	**Excavation of landfill basins for landfill cells I, II, III and IV and construction of the clean stormwater drainage system and macadam roads TOTAL**				**2 [illegible]**		**118 [illegible]**		**2 027 [illegible]**
E 2	**Bottom sealing layer**								
E 2.1	**Earthworks**								
E 2.1.1	The construction of the layer for levelling made of clay in the thickness of d=15 cm, and after realized excavation and embankment, namely after forming the area (bath) for disposing waste. The works have to be realized according to the design. The item includes loading, transport, spreading and compaction of the base to the necessary compaction level (≥40 MN/m2). The item includes all the necessary testing specified in the chapter Quality control and quality assurance programme. The calculation is conducted per m3 of embedded replacement layer	m3	4 782.24	45,00	215 200.80			4782.24	215 200.80
E 2.1.1	Construction of the drainage layer in stone aggregate in the lower liner of thickness d=51 cm. The draining layer is made of aggregate, granulation 16/32 mm. The item includes supply, delivery, placement and testing of the draining layer, and all the works have to be realized according to the design. Calculation is conducted per m3 of placed material	m3	16 083.88	85.00	1 367 129.80			16083.88	1 367 129.80
E 2.1	**Earthworks TOTAL**				**1 582 330,60**				**1 582 330,60**
E 2.2	**Geosynthetic works**								
E 2.2.1	Supply, delivery and placement of smooth PEHD geomembrane, thickness of d=2.0 mm as a protection from flooding of anchor trench. Geomembrane can be placed only after testing proves its quality and it is approved by the supervising engineer. Calculation is conducted per m2 of lined surface and it includes all the losses occurred due to overlap, cutting and anchoring.	m2	540.00	42.00	22 680.00			540	22 680.00
E 2.2.2	BOTTOM SEALING LAYER Supply, delivery and placement of geosynthetic clay liner (GCL) in the bottom sealing layer of the disposal site. Characteristics, testing and manner of placing the geosynthetic clay liner (GCL) in the bottom liner have to be realized in the manner described in the design and according to the instructions of the producer. GCL can be placed only after testing proves its quality and it is approved by the supervising engineer. Calculation is conducted per m2 of lined surfaces, and it includes all the losses occurred due to overlap, cutting and anchoring. The item also includes all the necessary testing specified in the chapter Quality control and insurance programme.	m2	35 574.23	34.00	1 209 523.82			35574.23	1 209 523.82

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E.2.2.3	Supply, delivery and placement of the PEHD geomembrane roll on both sides for the slopes and smooth for the bottom of landfill cells thickness of d=2,5 mm in the lower liner of the disposal site and after the placement of GCL. Characteristics testing and manner of placing the PEHD geomembrane rough on both sides into the lower liner has to be realized in the manner described in the design and according to the instructions of the producer. Geomembrane can be placed only after testing proves its quality and it is approved by the supervising engineer. Calculation is conducted per m2 of lined surface and it includes all the losses occurred due to overlap, cutting and anchoring. The item also includes all the necessary testing specified in the chapter Quality control and insurance program.	m2	35 574,23	52,00	1 849 859,96			35574,23	1 849 859,96

		CONTRACTED QUANTITY (include VO2)						
E.2.2.4	Supply, delivery and placement of the protective geotextile of 1000 g/m2 weight in the bottom liner of the disposal site, after the placement of the PEHD geomembrane. Characteristics, testing and manner of placing the protective geotextile into the lower liner have to be realized in the manner described in the design and according to the instructions of the producer. Protective geotextile can be placed only after testing proves its quality and it is approved by the supervising engineer. Calculation is conducted per m2 of lined surface and it includes all the losses occurred due to overlap, cutting and anchoring. The item also includes all the necessary testing specified in the chapter Quality control and insurance programme	m2	35 574,23	24,50	871 568,64		35574,23	871 568,64
E.2.2.5	Supply, delivery and placement of geogrid, 30/30 kN/m in the bottom liner of the disposal site, after the placement of the drainage layer. Characteristics, testing and manner of placing the protective geotextile into the lower liner have to be realized in the manner described in the design and according to the instructions of the producer. Protective geotextile can be placed only after testing proves its quality and it is approved by the supervising engineer. Calculation is conducted per m2 of lined surface and it includes all the losses occurred due to overlap, cutting and anchoring. The item also includes all the necessary testing specified in the chapter Quality control and insurance programme	m2	35.574,23	12,00	426 890,76		35574,23	426 890,76
E.2.2	**Geosynthetic works TOTAL**				**4 380 523,18**			**4 380 523,18**
E.2	**Bottom sealing layer TOTAL**				**5 962 853,78**			**5 962 853,78**
E.3	**Leachate collection system**							
E.3.1	**Leachate collection reservoir**							
E.3.1.1	Concrete-work of the foundation layer 10 cm thickness, with concrete C16/20. Calculation by m3 of the embedded material including the rim formwork	m3	6,83	800,00	5 464,00		6,83	5 464,00
E.3.1.2	Concreting in C35/45 concrete. This item includes production, i.e. supply and transportation of concrete, placement and curing of fresh concrete. This item also includes the appropriate formwork, and all the materials and works related to that. Calculation is conducted per m3 of placed concrete							
	a) 1 EACHATE COLLECTION RESERVOIR	m3	34,53	1.500,00	51 795,00		34,53	51 795,00
E.3.1.3	Supply, cutting, bending, transportation and placing of, reinforcement. This item includes all the work and material. Calculation is conducted per kg of placed reinforcement							
	a) LEACHATE COLLECTION RESERVOIR	kg	5 457,50	7,50	40 931,25		5457,5	40 931,25
E.3.1.4	Supply, delivery and installation of cast iron canal cover of circular shape with a dimension 150x120 cm. It includes all needed works and materials for the installation of the reservoir							
	Cover class B 125 kN, according to HRN EN-124:2005	psc	1	4.500,00	4.500,00		1	4.500,00
E.3.1	**Leachate collection reservoir TOTAL**				**102 690,25**			**102 690,25**
E.3.2	**Pipeline**							
E.3.2.1	Procurement, placement and installation of PEHD pipes OD315mm, SDR11 with perforation on 2/3 of total surface for the collection and drainage of leachate. Item includes procurement and installation of electrofusion sockets for pipe connection	m	690,64	435,00	300 428,40		690,64	300 428,40
E.3.2.2	Procurement, placement and installation of full PEHD pipes OD315mm, SDR11 for the collection and drainage of leachate. Item includes procurement and installation of electrofusion sockets for pipe connection and the necessary flanged pieces	m	147,61	435,00	64 210,35		147,61	64 210,35

			CONTRACTED C. TRADE include VO2					
E.3.2.3	Procurement and installation of the PEHD revision shaft Ø1600 mm SN8 with PEHD Ø800 mm entry opening and top cover, bottom of the shaft thickness 20.0 mm, with PEHD ladders with safety cage and ventilation openings. Item includes all necessary fittings and parts for constructing the pipe line connections for the seepage water Procurement from the repository and pipe line connections for water drainage toward the pump shaft	psc	2	13.000,00	26.000,00		2	26.000,00
E.3.2	***Pipeline TOTAL***				**390.638,75**			**390.638,75**
E.3	**Leachate collection system TOTAL**				**493.329,00**			**493.329,00**
E.4	**Cover sealing layer**							
E.4.1	**Earthworks**							
	MIDDLE SEALING LAYER							
E.4.1.1	The construction of the layer for levelling (lining layer) made of soil in the thickness of d=25 cm. The works have to be realized according to the design. The item includes loading, transport, spreading and compaction of the base to the necessary compaction level. The item includes all the necessary testing specified in the chapter Quality control and quality assurance programme. The calculation is conducted per m3 of developed area	m3		20,00				
	COVER SEALING LAYER							
E.4.1.2	The construction of the layer for levelling (lining layer) made of soil in the thickness of d=25 cm. The works have to be realized according to the design. The item includes loading, transport, spreading and compaction of the base to the necessary compaction level. The item includes all the necessary testing specified in the chapter Quality control and quality assurance programme. The calculation is conducted per m3 of developed area	m3	6.083,61	20,00	121.672,20		6083,61	121.67
E.4.1.3	Supply, delivery and placement of recultivation layer made of soil. *Thickness of layer is 0,80 m.* Characteristics, testing and manner of placing recultivation layer into the cover sealing layer have to be realized in the manner described in the design and according to the instructions of the producer. Recultivation layer can be placed only after testing proves its quality and it is approved by the supervising engineer. Calculation is conducted per m3 of lined surface. The item also includes all the necessary testing specified in the chapter Quality control and insurance programme	m3	24.577,76	32,00	786.488,32		24577,76	786.488,32
E.4.1.4	Supply, delivery and placement of humus layer *Thickness of layer is 0,20 m. Characteristics, testing* and manner of placing humus into the cover sealing layer have to be realized in the manner described in the design and according to the instructions of the producer. Recultivation layer can be placed only after testing proves its quality and it is approved by the supervising engineer. Calculation is conducted per m2 of lined surface. The item also includes all the necessary testing specified in the chapter Quality control and insurance programme	m2		20,00				
E.4.1	**Earthworks TOTAL**				**908.160,52**			**908.160,52**
E.4.2	***Geosynthetic works***							
	INTERSEALING							
E.4.2.1	Supply, delivery and placement of the geotextile of 400 g/m2 weight in the middle sealing layer of the disposal site, before and after the placement of the HDPE geomembrane so the quantity is calculated twice. Characteristics, testing and manner of placing the geotextile into the middle sealing layer have to be realised in the manner described in the design and according to the instructions of the producer. Geotextile can be placed only after testing proves its *quality and it is approved by the supervising engineer.* Calculation is conducted per m2 of lined surface and it includes all the losses occurred due to overlap and cutting. The item also includes all the necessary testing specified in the chapter Quality control and insurance programme	m2		9,50				
E.4.2.2	Supply, delivery and placement of the HDPE geomembrane rough on both sides for the slopes and *smooth for the bottom of landfill cells, thickness of* d=1,5 mm in the middle sealing layer of the disposal site and after the placement of geotextile. Characteristics, testing and manner of placing the PEHD geomembrane rough on both sides into the middle layer has to be realized in the manner described in the design and according to the instructions of the producer. Geomembrane can be placed only after testing proves its quality and it is approved by the supervising engineer. Calculation is conducted per m2 of lined surface and it includes all the losses occurred due to overlap and cutting. The item also includes all the necessary testing specified in the chapter Quality control and insurance programme.	m2		40,00				
	COVER SEALING LAYER							
E.4.2.3	Supply, delivery and placement of the geosynthetic degassing composite in the cover sealing layer of the disposal site, before the placement of the geogrid. Characteristics, testing and manner of placing the *composite into the cover sealing layer* have to be realized in the manner described in the design and according to the instructions of the producer. Composite can be placed only after testing proves its quality and it is approved by the supervising engineer. *Calculation is conducted per m2 of lined surface and* it includes all the losses occurred due to overlap and cutting. The item also includes all the necessary testing specified in the chapter Quality control and insurance programme	m2	24.334,42	26,00	632.694,92		24334,42	632.694,92

		CONTRACTED G.T.TRADE Include VO2							
E.4.2.4	Supply, delivery and placement of geosynthetic clay liner (GCL) in the cover sealing layer of the disposal site. Characteristics, testing and manner of placing the geosynthetic clay liner (GCL) in the cover liner have to be realized in the manner described in the design and according to the instructions of the producer. GCL can be placed only after testing proves its quality and it is approved by the supervising engineer. Calculation is conducted per m2 of lined surfaces, and it includes all the losses occurred due to overlap, cutting and anchoring. The item also includes all the necessary testing specified in the chapter Quality control and insurance programme								
		m2	24 334,42	34,00	827 370,28			24334,42	827 370,28
E.4.2.5	Supply, delivery and placement of the geosynthetic drainage composite in the cover sealing layer of the disposal site, before the placement of the geogrid. Characteristics, testing and manner of placing the composite into the cover sealing layer have to be realised in the manner described in the design and according to the instructions of the producer. Composite can be placed only after testing proves its quality and it is approved by the supervising engineer. Calculation is conducted per m2 of lined surface and it includes all the losses occurred due to overlap and cutting. The item also includes all the necessary testing specified in the chapter Quality control and insurance programme								
		m2	24 334,42	26,00	632 694,92			24334,42	632 694,92
E.4.2.6	Supply, delivery and placement of geogrid, 30/30 kN/m in the cover sealing layer of the disposal site, placed on protective geotextile. Characteristics, testing and manner of placing the geogrid into the cover sealing layer have to be realized in the manner described in the design and according to the instructions of the producer. Geogrid can be placed only after testing proves its quality and it is approved by the supervising engineer. Calculation is conducted per m2 of lined surface and it includes all the losses occurred due to overlap and cutting. The item also includes all the necessary testing specified in the chapter Quality control and insurance programme								
		m2	24 334,42	12,00	292 013,04			24334,42	292 013,04
E.4.2	**Geosynthetic works TOTAL**				**2 384 773,16**				**2 384 773,16**
E.4.3	**Gas wells**								
	Execution of gas wells for passive-gassed, diameter 100 cm. All necessary materials, labor and machinery are included in price. Gas well is perforated tube diameter 160 mm (DN 160 HDPE), coated stone aggregate (32/64 mm) in packs of wire braiding, with biofilters diameter 300 cm. Performance according to General technical requirements and designs. Calculation per piece								
		psc	12	3.600,00	43 200,00			12	43 200,00
E.4.3	**Gas wells TOTAL**				**43 200,00**				**43 200,00**
E.4	**Cover sealing layer TOTAL**				**3 336 133,68**				**3 336 133,68**
E.5	**System for collecting clean stormwater from the body of a disposal cell**								
E.5.1	Construction of the trapezoidal perimeter channel. The channel is of trapezoidal shape, of 60 cm width in the lower part, and 160 cm width in the upper part and of 50 cm height with the slope inclination 1:1. The channel has to be realized exactly according to dimensions specified in the design. The item includes forming the channel shape in already realized embankment, spreading and levelling and compaction to the necessary compaction level (>40 MN/m2) or by excavation in the cutting. Calculation is conducted per m of formed channel								
		m		10,00					
E.5.2	Concreting lateral sides of the canal, after forming the canal shape, in concrete of d=12,0 cm thickness and of compressive strength C 25/30. The item includes supply (batching) of concrete, placement and concrete curing and placement of fabric reinforcement and formwork. Calculation is conducted per m3 of embedded concrete								
		m3		1.100,00					
E.5	**System for collecting clean stormwater from the body of a disposal cell TOTAL**								
E.6	**Service road**								
	EXECUTION OF SERVICE ROAD For the purpose of service access on top of the closed landfill, service road is carried out, as shown in the graphic part of the design. Cross inclination of this road is 4% and the maximum longitudinal inclination is 10%. Road is carried out in levels as follows (top to bottom) • sand 2 cm • stone material 20 cm • Geotextile (200 g / m2) • Stone material 35cm These layers are placed on a soil layer (81 cm) that is installed above geosynthetics within recultivating layer.								
		m2		40,00					
E.6	**Service road TOTAL**								
E.7	**Waste displacement**								
	The item includes: 1. Excavation and removal of existing waste and other materials. 2. Separation of certain types of waste (bulk waste, tires, metals, ...) from existing waste and handing over to the authorized concessionaire. 3. Installation and planning of existing waste on newly-built fields. 4. Remediation and landscaping / planning of cleaned surface. Excavation and moving of the existing waste according to the manner defined in the Work Plan								

	Before excavating waste make sure to remove the covering material (soil) carefully. The cover material embedded (de-deposited) is over the disposed waste in a thickness of approximately 30 cm and it is necessary to extricate it carefully to prevent its mixing with waste. The excavated inert material can be used as making a leveling layer or as additional covering. Waste scrap to the constructed disposal cell to dimension demanded by the project in order to achieve the final inclination of the final cover layer and the intermediate layer of 1: 2.5. During works on excavation of existing waste consider the following: - The stability of the existing landfill to avoid the uncontrolled corrosion of existing waste and - There has been a fire on the landfill, which has not been fully extinguished, so it has to be secured with the fire extinguisher on the construction site. During work special attention should be undertake on all available occupational safety, fire protection and environmental protection measures to avoid accidental situations during the execution of works. Calculation per m3 of compacted waste embedded in the landfill body according to the project's dimensions. Any additional waste transfer as per working technology will not be specifically calculated	m3	218 000.00	23.00	5 014 000.00			1700	39 100,00	216300	4 974 900.00
E.7	**Waste displacement TOTAL**				**5 014 000,00**				**39 100,00**		**4 974 900.00**
E.8	**Preparation of waste samples**										
	For this purpose of waste samples it is required to pick waste from the adequate excavator from predefined position and depth in coordination with Investor and dispose it to the accessible handling areas (if possible it can be constructed cell) for the Investor or his representative to be able to take representative waste sample. Number of samples is 6. After sampling the remaining waste from the handling areas must be disposed to the constructed cell.	set	6	2 000.00	12 000.00					6	12 000.00
E.8	**Preparation of waste samples TOTAL**				**12 000,00**						**12 000,00**
E	**CIVIL WORKS - LANDFILL**										
E.1	**EXCAVATION OF LANDFILL BASINS FOR LANDFILL CELLS I, II, III AND IV AND CONSTRUCTION OF THE CLEAN STORMWATER DRAINAGE SYSTEM AND MACADAM ROADS**				**2 142 860,80**				**115 450,00**		**2 027 410,80**
E.2	**BOTTOM SEALING LAYER**				**5 962 853,78**						**5 962 853,78**
E.3	**LEACHATE COLLECTION SYSTEM**				**493 329,00**						**493 329,00**
E.4	**COVER SEALING LAYER**				**3 336 133,68**						**3 336 133,68**
E.5	**SYSTEM FOR COLLECTING CLEAN STORMWATER FROM THE BODY OF A DISPOSAL CELL**										
E.6	**SERVICE ROAD**										
E.7	**WASTE DISPLACEMENT**				**5 014 000,00**				**39 100,00**		**4 974 900,00**
E.8	**PREPARION OF WASTE SAMPLES**				**12 000,00**						**12 000,00**
E	**CIVIL WORKS - LANDFILL SUMMARY**				**16.961.177,26**				**154.550,00**		**16.806.627,26**
F	**MECHANICAL WORKS**										
Item No 1	Item description 2	Unit 3	Quantity 4	Rate 5	Amount 6	Quantity 4	Amount 6	Quantity 4	Amount 6	Quantity 4	Amount 6
F.1	**Engineering, supply and construction of a pumping station for recirculation of leachate**										
	The item includes *The pumps for recirculation of leachate as a Grundfos SV 80.125.2.60.2.58H or equivalent.* The body and the impeller are made of stainless steel. The pumps are explosion-proof category 1. *Copies of the two pumps* according to the technical solution shown in the designs of the main mechanical design Pressure pipe stainless steel (C1.4301), which includes all the connecting pieces according to the technical solution shown in the designs of the main mechanical design Two check valves and two valves to separate stations all according to the technical solution shown in the drawings of mechanical design *Switches levels in explosion-proof*, for use in hazardous zone 0 (category 1). Copies of the total 4 level switches. Control electrical cabinet with equipment *suitable for* the defined zone of danger of explosion (zone 0) with "soft start" running the pumps and transmission signals according to the technical solution defined in the main electro design Steel holder for extraction pumps with winch and ropes appropriate capacity for the selected pump (1 pc.) Paragraph is covered by all the connecting material required for installation of the pump, switch level, the carrier extraction pumps and control electrical cabinets, as well as all work on the same assembly. Testing of electrical installation pressure testing, functional testing and all other necessary tests in accordance with the applicable regulations Technical supervision of facility by Ex Agency and obtaining Ex documents and Ex Manual forming Release of pumping stations in a test drive with the regulation of labor, training of personnel investors to operate and possibly eliminating the identified deficiencies. Handing over the device and instructions for handling and inventory of spare and wear parts											

	As built documentation	set	1	230 000,00	230.000,00				1	230.000,00
F.1	**Procurement, supply and construction of a pumping station for recirculation of leachate**									
	TOTAL				**230.000,00**					**230.000,00**
F.2	**Procurement, supply and construction of pump stations for storm water**									
	The item includes Pumps for storm water as Grundfos SP 9-8 or equivalent The body and the impeller are made of stainless steel Copies of the two pumps, according to the technical solution shown in the designs of the main mechanical project Pressure pipe stainless steel (C1 4301), which includes all the connecting pieces according to the technical solution shown in the designs of the main mechanical project Two check valves and two valves to separate stations, all according to the technical solution shown in the drawings of mechanical project Switches levels (performed a total of 4 level switches) Control electrical cabinet with ' soft start" running the pumps and transmission signals, according to the technical solution defined in the main electro project Steel holder for extraction pumps with winch and ropes, appropriate capacity for the selected pump (1 pc) Paragraph is covered by all the connecting material required for installation of the pump, switch level, the carrier extraction pumps and control electrical cabinets, and all work on the same assembly Testing of electrical installation, pressure testing, functional testing and all other necessary tests in accordance with the applicable regulations Set fire hose with a diameter of 50 mm and a total length of 100 m, including all fittings to connect the pump station, cabinet for outdoor installation size sufficient to accommodate all the hoses and two nozzles for washing the surface, hole diameter 16-24 mm Release of pumping stations in a test drive with the regulation of labor, training of personnel investors to operate and possibly eliminating the identified deficiencies Handing over the device and instructions for handling and inventory of spare and wear parts									
	As built documentation	set	1	35 000,00	35.000,00				1	35.000,00
F.2	**Procurement, supply and construction of pump**									
					35.000,00					**35.000,00**
F.3	**Procurement, supply and construction of wheels**									
	The item includes Wheel washing units (made up of two modules of the same length are connected at the construction site in one unit) consisting of - Two hot galvanized elements for washing measuring 5 60 m x 3 1 m installed 50 cm into the ground, allowing access for vehicles to the level of the country after leaving the location before access road and entrance and exit zone The central element with sloping sides constructed of robust galvanized grid - Static nozzle system for complete flushing profile wheels, exterior and interior surface of the wheel and chassis parts - Two galvanized wall with nozzles (left and right) with integrated adjustable side jets Dimensions external dimensions 6600 x 3150 x 50 mm truck width 2800 mm complete unit weight 6000 kg Sedimentary pool (recirculation), derived from the concrete Dimensions 8500 x 3000 x 3000 mm Useful volume 55 m3 Additional safety equipment sedimentary basin composed of - Handrail designed for installation around the perimeter of the pool, made of square steel profile, galvanized, height 1200 mm - Ladders for access to pumps, made of square steel profile, galvanized ' Submersible pressure pumps DN 100, special construction intended for fixed installation in the chamber pump sedimentary basin complete with non-return valve elements for fixing the pumps and piping and wiring Electrical cable length of 15 m, the following characteristics Q = 2500 l / min H = 1,8 bar N = 6,5 kW / 400 V / 50Hz Dimensions Ø270 × 530 mm Weight: 80 kg Equipment (control -dosing) consisting of - Flocculant dosing device, complete with electro-mechanical dosing pump lubrication oil and the diaphragm dosing head, suction tube with a suction valve, pressure pipes with dosage valves for installation in pressure pipe submersible pumps and tank for flocculant - Control - the control cabinet made from stainless steel, complete with built-in automation and control for fully automatic operation, in accordance with EN 60439-1, the setting options (programming) the length of time for washing, and all necessary elements Solid steel barrier separating sedimentary basins of the chamber pump with steel mesh for dressing in the upper part of the barrier Piping required for internally connecting the above elements in the functional unit, including supports, the supports, the required fittings such as for example, the float valve to replenish the pool, a flexible tube, the protective tube and the penetrating, small consumables, and tightening the fastening material, and the required corrosion other protection of pipelines and the like									

	Electrical cables necessary for the internal wiring of the above electric consumer (inside the device) Paragraph covers all fittings and the work required for installation Release of pumping stations in a test drive with the regulation of labor training of personnel investors to operate and possibly eliminating the identified deficiencies Handing over the device and instructions for handling and inventory of spare and wear parts Production of as built documentation	set		500.000,00							
F.3	Procurement, supply and construction of Wheels washing facility TOTAL										
F	MECHANICAL WORKS				265.000,00						265.000,00
F	MECHANICAL WORKS SUMMARY				265.000,00						265.000,00
G	ELECTROTECHNICAL WORKS										
Item No 1	Item description 2	Unit 3	Quantity 4	Rate 5	Amount 6	Quantity 4	Amount 6	Quantity 4	Amount 6	Quantity 4	Amount 6
G.1	Generator station										
G.1.1	Supply and installation of automatic, stationary, diesel generator plant in housing for indoor or outdoor use, stand-by / Prime power 110 / 100kVA - 88 / 80kW, 159A 3P + N with a minimum of the following characteristics The facility should be minimally equipped with - Industrial water-cooled diesel engine - Radiator with a cooling medium designed for 50 ° C max T in the air inlet - Electric starter and charging alternator - Mechanical speed controller - Excitation system type AREP (Auxiliary Winding Excitation Principle, equivalent PMG) or PMG-om - Plant should bear the short-circuit in the amount of 3xIn a period of 10s - Standard air filter - Alternator with a single bed - IP23 / Insulation class H / H - Microprocessor control / Control Module - Output breaker Compact NSX160A 4P Micrologic 2.0 SCHNEIDER ELECTRIC or equivalent - Welded steel base frame with mounted antivibration elements - Daily fuel tank welded inside the base frame - Flexible fuel lines, drawing lubricating oil - Twin silencer exhaust 9dB (A) - Filled and fenced the starting battery - The user manual (1 copy) in Croatian and English language - Should be wrapped in protective foil - The necessary fluids for work (except fuels) -Actuator engine as a John Deere 4045HF120 or equivalent -generator as SDMO AT00911T or equivalent -bath for collecting liquid leak -prefuel filter to separate water -The user guide and maintenance manuals in paper form in Croatian and English language -main operating console should be aligned with the IEC directive -contact protection of high temperature working parts should be in accordance CE standard -a micro processor control / control module as MICS APM303 or equivalent -MODBus Communication interface -system for remote start - A packet of automation (charger, resistor for preheating engines relay 220 / 240V) -measuring card (U, V, S) -Displav to display analog values -functions for stopping due to low levels of cooling liquid Sound enclosure for indoor or outdoor MOUNTING WITH TANK INCREASED SIZE AND double wall -Protection stationary and mobile plants from the effects of bad weather and theft with the function of reducing of noise -Housing should be made of steel reinforcement with steel sides, zinc before painting (inside and outside) with a polyester powder for corrosion protection -In purpose of high corrosion protection, in addition to the above, anodized aluminum alloy should be used for making door hinges, a system of flexible seals should be used between elements of the housing -In purpose of reduce of noise should have called "Acoustic foam" with a thickness of 20 to 50mm -Housing should be equipped with doors increased dimensions in order to facilitate access for servicing The window for the control should be carried out with safety glass -exhaust silencer as "critical silencer" (29 or 40 dB (A)) should be mounted within the housing -The Emergency stop should be available inside and outside the housing -Sound attenuation should be 77dB (A) @ 1m, 66dB (A) @ 7m, 96dB WA -dimension LxWxH 2602 x 1150 x 1948mm -weight Without fuel 2012kg The capacity of the fuel tank 825L -dimension LxWxH 2602 x 1150 x 1948mm -weight without fuel 2012kg - capacity of the fuel tank 825L Diesel generator plant as a type SDMO XP-J110IV Montana Expressor or equivalent Offer	set	1	145.000,00	145.000,00					1	145.000,00
G.1.2	Delivery, installation and commissioning of the DEA system to a prepared site (inlet and outlet cables), prepared concrete (or equivalent) base The item includes: -all necessary fluids to operate (oil, coolant, except fuels)										

			CONTRACTED GT.1 GRADE include VO2							
	and delivery and unloading with a crane or forklift and fixing anchor bolts - merger with all mutual previously deposited lines to the full functionality of the plant, including the connection to Te/n grounding strap -trial work (manual and automatic remote switching) -with the plant is delivered user's and maintenance manual in English and Croatian language, the factory test report and Croatian certificates -making the Minutes of the handover	set	1	7 000,00	7 000,00					1	7 000,00
G.1.3	Supply, delivery and pouring diesel fuel for testing aggregate operation, the amount min. 30 liters	set	1	1 200,00	1 200,00	3,5	4 200,00			4,5	5 400,00
G.1	**Generator station TOTAL**				**153 200,00**		**4 200,00**				**157 400,00**
G.2	**Main switch distribution**										
G.2.1	Delivery and installation of the main stand-alone control cabinet layout tags GRO, made of polyester, with full double doors equipped with a type lock and key, mounting plate, DIN rail, canopy, sealing washer to the bottom of the closet and a standard polyester base, height h = 900mm, protect. min. IP54, dimensions min. 1500 × 1250 × 420mm (H x W x D), as a type of PLA Thalassa "Schneider" or equivalent. The cabinet is installed below specified equipment type "Schneider" or equivalent, as follows • MCCB rated current up to 160A, equipped with electronic protection unit Micrologic 5.2A, leakage module 300mA and MX voltage trigger, 4P4D as type NSX160B or equivalent	pcs	1	5 000,00	5 000,00					1	5 000,00
	• surge arresters type 2 + 3, 40 / 15kA, 4P, for TN-S system, complete with changing cartridges	pcs	1	2 500,00	2 500,00					1	2 500,00
	• Percussion mushroom push button for the door (or housing) closet, with 1xCO contact 230V, red, min. IP55	pcs	1	2 000,00	2 000,00					1	2 000,00
	• MCCB rated current up to 100A, equipped with electronic protection unit Micrologic 5.2A, 3P3D as type NSX100F or equivalent	pcs	1	350,00	350,00					1	350,00
	• MCCB rated current up to 100A, equipped with thermal-magnetic protection unit TM-D 40A, 3P3D as type NSX100F or equivalent	pcs	1	1 600,00	1 600,00					1	1 600,00
	• circuit breaker rated current C40A / 3p as type iC60N or equivalent	pcs	2	1 600,00	3 200,00					2	3 200,00
	• circuit breaker rated current C32A / 3p as type iC60N or equivalent	pcs	2	600,00	1 200,00					2	1 200,00
	• circuit breaker rated current C25A / 3p as type iC60N or equivalent	pcs	2	170,00	340,00					2	340,00
	• circuit breaker rated current C16A / 3p as type iC60N or equivalent	pcs	6	700,00	4 200,00					6	4 200,00
	• circuit breaker rated current C16A / 4p as type iC60N or equivalent equipped with a Vigi differential module 30mA / 4p	pcs	2	140,00	280,00					2	280,00
	• circuit breaker rated current C10A / 3p as type iC60N or equivalent	pcs	1	40,00	40,00					1	40,00
	• circuit breaker rated current C16A / 1p as type iC60N or equivalent	pcs	2	40,00	80,00					2	80,00
	• circuit breaker rated current C10A / 1p as type iC60N or equivalent	pcs	2	40,00	80,00					2	80,00
	• circuit breaker rated current B10A / 1p as type iC60N or equivalent	pcs	2	40,00	80,00					2	80,00
	• circuit breaker rated current B6A / 1p as type iC60N or equivalent	pcs	1	40,00	40,00					1	40,00
	• circuit breaker rated current B4A / 1p as type iC60N or equivalent	pcs	1	40,00	40,00					1	40,00
	• circuit breaker rated current B2A / 1p as type iC60N or equivalent	pcs	4	40,00	160,00					4	160,00
	• cam switch 40A / 3p for inner cabinet doors	pcs	1	450,00	450,00					1	450,00
	• cam switch 25A / 1p for inner cabinet doors	pcs	6	400,00	2 400,00					6	2 400,00
	• rippled election switch 1-0-2, 12A / 1p, the inner cabinet doors	pcs	1	340,00	340,00					1	340,00
	• installation coupler 25A / 3P / 230V	pcs	2	400,00	800,00					2	800,00
	• signal light 2A / 230V green	pcs	3	45,00	135,00					3	135,00
	• light switch (luxomat) 2-2000lx, complete with outdoor sensor in the protection min. IP54	pcs	1	320,00	320,00					1	320,00
	• thermostat temperature control TS140 or equivalent	pcs	1	400,00	400,00			1	400,00		
	• higrotermostat temperature control or HS3000 or equivalent	pcs	1	2 200,00	2 200,00					1	2 200,00
	• resistive heater CR 90W / 230V / 50Hz	pcs	1	1 200,00	1 200,00					1	1 200,00
	• Light cabinet 11W / 230V, with magnet	pcs	1	220,00	220,00					1	220,00
	• terminal blocks up to 95mm2	pcs	4	110,00	440,00					4	440,00
	• terminal blocks up to 35mm2	pcs	3	22,00	66,00					3	66,00
	• terminal blocks to 10-16mm2	pcs	15	20,00	300,00					15	300,00
	• terminal blocks up to 6mm2	pcs	15	10,00	150,00					15	150,00
	• terminal blocks up to 2,5mm2	pcs	30	7,00	210,00					30	210,00
	• sealing plate to the bottom of the closet and entry pipes and cables	pcs	1	300,00	300,00			1	300,00		
	• grid ventilation for IP54 protection	pcs	1	400,00	400,00			1	400,00		
	• L1, L2 and L3 insulated needle-pole bus, N and PE bus, copper bus bars, insulators, terminals, conductors for wiring, connecting material, labels, nameplates, screws and fittings, equipment carriers, cover plates with lock, mask and keys and other small materials Offer	set	1	720,00	720,00					1	720,00
G.2.2	Supply and laying of 1 kV power cables with flexible HERP insulation and PVC sheath, according to the tower specification. The cables are laid in the previously passed PVC pipes in ducts. The sentence included mutually connecting cable with all necessary equipment to full functionality.										
	5xFG70R 1×95mm2	m	20	405,00	8 100,00	5	2 025,00			25	10 125,00
	5xFG70R 1×35mm2	m	90	185,00	16 650,00					90	16 650,00
	FG70R 5×10mm2	m	240	55,00	13 200,00			25	1 375,00	215	11 825,00
	FG70R 5×6mm2	m	20	43,00	860,00					20	860,00
	FG70R 3×1,5mm2	m	50	11,00	550,00			50	550,00		
	FG70R 5×2,5mm2	m	50	22,00	1 100,00			50	1 100,00		
	NHXH E30 2×1,5mm2	m	20	25,00	500,00					20	500,00
	NYY 16x1,5mm2	m	100	39,00	3 900,00					100	3 900,00

	CONTRACTED TRADE include VO2										
G.2.3	Supply and laying of double wall corrugated PVC / HDPE pipes in pre-prepared earthen trench to the lower specification. The pipes must be made of high density polyethylene, with a corrugated outer wall and an inner smooth, suitable for direct burial in the ground and concrete. All pipe to perform a standard couplings. All segments laid pipes must be equipped with a tracer for reaching metal cable										
	• 1 × PVC Ø50 mm	m	25	28.00	700.00	80	2 240.00			105	2 940.00
	• 2 × PVC Ø50 mm	m	30	52.00	1 560.00			30	1 560.00		
	• 3 × PVC Ø50 mm	m	30	80.00	2 400.00			30	2 400.00		
	• 1 × PVC Ø110 mm	m	30	40.00	1 200.00	400	16 000.00			430	17 200.00
	• 2 × PVC Ø110 mm	m	90	80.00	7 200.00			90	7 200.00		
	• 3 × PVC Ø110 mm	m	35	120.00	4 200.00			35	4 200.00		
	• 4 × PVC Ø110 mm	m	40	150.00	6 000.00			25	3 750.00	15	2 250.00
	• 1 × PVC Ø160 mm	m	20	60.00	1 200.00			10	600.00	10	600.00
G.2.4	Preparation and connect the power cable to 5x35mm2 the distributor housings, complete with all necessary equipment and works. Calculation per piece unilaterally.	set	25	195.00	4 875.00					25	4 875.00
G.2.5	Delivery and installation of 1 kV underground cable connectors for power cables type Raich "TYCO" or equivalent, for the following cables:										
	• 5x35 Cu	pcs	2	360.00	720.00			2	720.00		
	• 5x10 Cu	pcs	3	360.00	1 080.00			3	1 080.00		
	• 5x6 Cu	pcs	2	300.00	600.00			2	600.00		
	Other										
G.2.6	Delivery and installation of a full metal cable channel made of stainless steel, complete with cover and mounting accessories. The channel dimensions of 100 / 50mm. The channel is mounted on the front of the building for staff from the floor to the position of connection sockets and GTDI	m	4	200.00	800.00			1	200.00	3	600.00
G.2.7	Supply and installation of industrial plug IEC 309 3P + N + PE 16 / 32 A / 400V. The plug is installed on the power cable to the building for staff. The plug must be protection min. IP67	pcs	1	200.00	200.00			1	200.00		
G.2.8	Production of construction pits for installation pedestal cabinets GRO, RO PK, RO PV and RO O V. After mounting surface to its original condition and the excess material disposed. The sentence included all the material and labor for excavation and installation of stands to full functionality.	pcs	4	750.00	3 000.00					4	3 000.00
G.2.9	Delivery and installation of rigid pipe installation PNT Ø19-22mm on the walls of buildings, complete with brackets and wiring accessories.	m	50	29.00	1 450.00			50	1 450.00		
G.2.10	Supply, installation and connection of the intermediate disconnecting push button for emergency switching off power to protect min IP55 red color with removable front slides. Push button must be equipped contact 1NC / 0 2A / 230V	pcs	1	300.00	300.00					1	300.00
G.2	Main power distribution TOTAL				114 586.00		20 265.00		28 085.00		106 766.00
G.3	Electric installation of building for personnel										
G.3.1	Delivery and installation of wall the intermediate control cabinet layout tags RO K, made of PVC, with full door equipped with a type lock and DIN rails. The cabinet is installed below specified equipment type "Schneider" or equivalent as follows:										
	• current protection switch 40A / 0.03 / 4p	pcs	1	1 350.00	1 350.00			1	1 350.00		
	• circuit breaker rated current C16A / 1p as type iC60N or equivalent	pcs	1	35.00	35.00			1	35.00		
	• circuit breaker rated current B16A / 1p as type iC60N or equivalent	pcs	6	35.00	210.00			6	210.00		
	• circuit breaker rated current B10A / 1p as type iC60N or equivalent	pcs	3	35.00	105.00			3	105.00		
	• circuit breaker rated current B6A / 1p as type iC60N or equivalent	pcs	1	35.00	35.00			1	35.00		
	• terminal blocks up to 6mm2	pcs	4	10.00	40.00			4	40.00		
	• terminal blocks up to 2.5mm2	pcs	15	10.00	150.00			15	150.00		
	• L1, L2 and L3 insulated needle-pole bus, N and PE busbars, insulators, terminals, conductors for wiring, connecting material, labels, nameplates, screws and fittings, equipment carriers, cover plates, lock the mask and key and other small materials										
	Other										
		set	1	600.00	600.00			1	600.00		
G.3.2	Supply and installation of power cables with PVC insulation and PVC sheath, according to the lower specification. The cables are laid in the previously passed PVC pipes or PVC tiles. The sentence included mutually connecting cable with all necessary equipment to full functionality										
	NYM 3x1,5 mm2	m	40	12.00	480.00			8	96.00	32	384.00
	NYM 3x2,5 mm2	m	250	15.00	3 750.00			220	3 300.00	30	450.00
G.3.3	Supply and installation of PVC cable channel dim. Approx. 10 / 10cm. The channels are placed in the building to staff in the ceiling. The sentence included fittings, covers and mounting accessories	m	30	110.00	3 300.00			8	880.00	22	2 420.00
G.3.4	Supply and installation of PNT pipes Ø20mm complete with brackets and mounts. The pipes are laid in the building for staff in the vertical divorce	m	25	30.00	750.00			25	750.00		
G.3.5	Supply and installation of PVC trunking. The channels are placed in the building for staff above the desk. The sentence included fittings, covers and mounting accessories	m	4	100.00	400.00			4	400.00		
G.3.6	Supply, installation and connection of the double socket 16A / 230V 2P + E for installation in trunking	pcs	3	120.00	360.00			3	360.00		
G.3.7	Supply, installation and connection of plaster socket 16A / 230V 2P + E for installation in the building for personnel	pcs	5	90.00	450.00			5	450.00		

		CONTRACTED G.T.TRADE include VO2									
G.3.8	Supply, installation and connection of plaster switches 10A / 230V IP for installation in the building for personnel	pcs	6	90.00	540.00			5	450.00	1	90.00
G.3.9	Supply, installation and connection of Vanity ceiling lamps with shiny grid and fluorescent light sources 2x36W, as type wedge "JINDORA" or equivalent Offer	pcs	1	540.00	540.00	1	540.00			2	1 080.00
G.3.10	Supply, installation and connection of Vanity ceiling lamps in protecting min IP44, insulation class II with saving light source	pcs	5	300.00	1 500.00			5	1 500.00		
G.3.11	Supply, installation and connection of Vanity wall lamps in protecting min IP55 with saving light source	pcs	1	320,00	320,00					1	320,00
G.3.12	Delivery and installation of emergency lighting autonomy 1 hour of work, with a fluorescent light source 1x8W and pictogram "EXIT" The lamp must be in preparatory compound	m	1	450.00	450,00					1	450.00
G.3.13	Connecting the mechanical consumer to previously laid the power cable including water heater, pump hot water, wardrobe R, S and air unit The sentence included all papers and accessories to full functionality	pcs	5	100.00	500.00			5	500.00		
G.3.14	Delivery and installation of wall the intermediate control cabinet layout marking R, S, made of steel, with full door equipped with a type lock. On the closet door is installed below specified equipment for signaling the state of the basin for leachate or closet PSF as follows										
	• Push-button for switching off the pump 2A / 230V, red	pcs	1	600,00	600,00					1	600.00
	• signal light 2A / 230V red	pcs	3	80,00	240,00					3	240.00
	• signal light 2A / 230V yellow	pcs	1	80,00	80,00					1	80.00
	• beeper buzzer to signal alarm	pcs	1	400,00	400,00			1	400.00		
	• guides for wiring, fittings and similar	pcs	1	400,00	400,00					1	400.00
	Offer	set	1	1 720,00	1 720,00			1	1 720,00		
G.3	**Electric installation of building for personnel TOTAL**				**19 385,00**		**240,00**		**13 273,00**		**6 514,00**
G.4	**Electric installation - garbage collection point**										
G.4.1	Delivery and installation of wall the intermediate control cabinet layout tags RO gk, made of steel, with full door equipped with a type lock and DIN rails. Wardrobe approx. 800x600x230mm, the protection IP55. The cabinet is installed below specified equipment type "Schneider" or equivalent, as follows										
	• current protection switch 63A / 0.03 / 4p	pcs	1	510,00	510,00					1	510.00
	• break switch 63A / 3p with Shunt	pcs	1	2 300,00	2 300,00					1	2 300,00
	• circuit breaker rated current C16A / 3p as type iC60N or equivalent	pcs	5	110,00	550,00			1	110,00	4	440,00
	• circuit breaker rated current C16A / 1p as type iC60N or equivalent	pcs	3	32,00	96,00			3	96.00		
	• circuit breaker rated current B16A / 1p as type iC60N or equivalent	pcs	2	30,00	60,00	2	60.00			4	120,00
	• circuit breaker rated current B10A / 1p as type iC60N or equivalent	pcs	4	30.00	120,00					4	120,00
	• circuit breaker rated current C10A / 3p as type iC60N or equivalent	pcs	3	105,00	315,00					3	315,00
	• circuit breaker rated current B6A / 1p as type iC60N or equivalent	pcs	2	30,00	60,00					2	60,00
	• circuit breaker rated current B2A / 1p as type iC60N or equivalent	pcs	4	30,00	120,00					4	120,00
	• signal light 2A / 230V green	pcs	3	40,00	120,00					3	120,00
	• Percussion mushroom push button for the door (or housing) closet with 1xCO contact 230V, red, min IP55	pcs	1	330,00	330,00					1	330,00
	• break switch 25A / 1p / 230V for cabinet doors	pcs	3	430.00	1 290,00					3	1 290,00
	• socket 16A 230V 2P+E for cabinet IEC 309	pcs	1	200.00	200,00					1	200.00
	• thermostat temperature control TS140 or equivalent	pcs	1	380,00	380,00					1	380.00
	• higrotermostat temperature control or HS3000 equivalent	pcs	1	3 000,00	3 000,00					1	3 000,00
	• resistive heater CR 90W / 230V / 50Hz	pcs	1	950.00	950,00					1	950,00
	• Light cabinet 11W / 230V, with magnet	pcs	1	230,00	230,00					1	230,00
	• terminal blocks up to 10mm2	pcs	4	15,00	60,00					4	60,00
	• terminal blocks up to 2.5mm2	pcs	15	7.00	105,00					15	105,00
	• L1, L2 and L3 insulated needle-pole bus, N and PE busbars, insulators, terminals, conductors for wiring, connecting material, labels, nameplates, screws and fittings, equipment carriers, cover plates, lock the mask and keys and other small materials Offer	set	1	400,00	400,00					1	400,00
G.4.2	Supply and laying of 1 kV power cables with flexible HTRP insulation and PVC sheath, according to the lower specification. The cables are laid in the previously passed PK channels and PNT pipes in the garage for the compactor. The sentence included mutually connecting cable with all necessary equipment to full functionality										
	• FG70R 3x1.5mm2	m	120	11.00	1 320,00					120	1 320,00
	• FG70R 3x2.5mm2	m	90	15.00	1 350,00					90	1 350,00
	• FG70R 5x2.5mm2	m	90	20.00	1 800,00					90	1 800,00
	• NHXH E30 2×1.5mm2	m	25	22.00	550,00					25	550,00
G.4.3	Supply and installation of perforated sheet metal cable channel (PKK) in size to a standard wall mounts. The channels are laid on the walls of the garage in the ceiling. The sentence included all the necessary mounting hardware, fittings and the like										
	• PKK 100/50mm	m	40	105.00	4 200,00					40	4 200,00
	• PKK 50/35mm	m	30	80,00	2 400,00			20	1 600,00	10	800,00
G.4.4	Supply and installation of PNT pipes Ø20mm complete with brackets and mounts. The pipes are laid in a garage in the vertical distribution	m	70	23.00	1 610,00					70	1 610,00

G.4.5	Supply and installation of bus Equipotential visible variations The bus must be able to accept the tape 30x3,5mm and cross-section 6-16mm2	pcs	1	310.00	310.00					1	310.00
G.4.6	Supply, installation and connection of plaster socket 16A / 230V 2P for installation in the garage	pcs	5	90.00	450.00					5	450.00
G.4.7	Supply, installation and connection of plaster socket 16A / 230V 3P + PE for installation in the garage	pcs	5	145.00	725.00					5	725.00
G.4.8	Supply, installation and connection of Vanity ceiling lamps in protection min IP66 and LED light sources 1x59W as type LUXURA 2 5ft PC Al 8000/840 or equivalent Offer	pcs	9	900.00	8 100.00					9	8 100.00
G.4.9	Delivery and installation of emergency lighting autonomy 1 hour of work with a fluorescent light source 1x11W and pictogram "EXIT" The lamp has to be in the preliminary junction protection IP55	m'	1	400.00	400.00					1	400.00
G.4.10	Connecting the mechanical consumer to previously laid the power cable The sentence included all papers and accessories in full functionality	pcs	1	400.00	400.00					1	400.00
G.4.11	Supply, installation and connection of the intermediate disconnecting push button for emergency switching off power to protect min IP55 red color with removable front shades Push button must be equipped contact 1 NC / 0 2A / 230V	pcs	1	300.00	300.00					1	300.00
G.4.12	Supply green-yellow guide and performance connectivity conductive parts earthed In paragraph included all the necessary fittings and works up to full functionality • H07V-K 1X6 mm2 • H07V-K 1X16mm2	m' m'	50 30	10.00 20.00	500.00 600.00					50 30	500.00 600.00
G.4	**Electric installation of garage for compactor TOTAL**				**36 315.00**		**60.00**		**1 980.00**		**34 455.00**
G.5	**LPS of garage for compactor**										
G.5.1	The supply and laying of stainless steel strips P30x3,5mm R in the concrete foundation of the garage All compounds are cleaved and implement a standard cross stainless steel fittings "strip-tape" and coated with bitumen coating	m	50	48.00	2 400.00					50	2 400.00
G.5.2	Creating a basket (lateral lines) with a grounding in the basis, the average length 1 – 4m stainless steel strip P30x3,5 mm by cross-coupling The compound coated with bitumen	pcs	7	220.00	1 540.00			3	660.00	4	880.00
G.5.3	The implementation of ground available and foreign conductive pipes connecting the grounding strap Compound perform screw, type coupler or welding complete with all necessary material	pcs	5	100.00	500.00					5	500.00
G.5.4	Supply and laying of main drains LPS made of stainless steel wire Ø8mm on a section of the measurement compounds to the roof (of reception lines) The sentence included and standard stainless steel wall brackets The length of the drain is an average of 5m	pcs	4	240.00	960.00					4	960.00
G.5.5	Laying the main drain LPS made of stainless steel strips P30x3,5mm the share of measuring compounds to the floor (ground fault) The sentence included and standard stainless steel wall brackets to the wall Length of the line is Mean 3m	pcs	4	300.00	1 200.00					4	1 200.00
G.5.5	Supply and installation of vertical type of protection the main drain LPS on the section of the floor to the measurement circuit The sentence included mounting accessories for installation	pcs	4	300.00	1 200.00					4	1 200.00
G.5.6	Supply and laying of roofing system clamps - Stainless steel wire Ø8mm on a standard stainless steel roof beams according to the type of roof covering Compounds perform a standard stainless steel fittings	m'	1	300.00	300.00	4.8	1 440.00			5.8	1 740.00
G.5.7	Supply of materials and performance measurement circuit by disconnection of cross stainless steel fittings "strip-wire"	pcs	4	200.00	800.00					4	800.00
G.5.8	The supply of materials and circuit design of the vertical gutters on a copy of the grounding using standard stainless steel gutter	pcs	10	130.00	1 300.00					10	1 300.00
G.5.9	Supply of materials and execution of joint horizontal gutters on the main drainage system LPS using standard stainless steel fittings	pcs	10	130.00	1 300.00					10	1 300.00
G.5	**LPS of garage for compactor TOTAL**				**11 500.00**		**1 440.00**		**660.00**		**12 280.00**
G.6	**Electric installation of garage for compactor**										
G.6.1	Supply, laying and mutually connecting 1 kV power cables with flexible EPRP insulation and PVC sheath, according to the lower specification. The cables are laid in PVC pipe in the ditch on a sandy bed PVC pipe previously placed • FG70R 5x6 mm2 • FG70R 5x10 mm2	m' m'	35 180	40.00 58.00	1 400.00 10 440.00			35	1 400.00	180	10 440.00
G.6.2	Supply and laying of double wall corrugated PVC / HDPE pipes in pre-prepared earthen trench to the lower specification The pipes must be made of polyethylene with ribbed outer wall and an inner smooth surface for direct burial in the ground and concrete A pipe to perform a standard connectors All segments laid pipes must be equipped with a trailer for broaching metal cable • 1 x PVC Ø90 mm	m'	180	26.00	4 680.00					180	4 680.00

			CONTRACTED G.T.TRAD						
G 6.3	Supply, laying and connecting the internal wiring of lighting columns • NYY (FP00-Y) 3×1,5 mm	m'	100	11,00	1 100.00			100	1 100.00
G 6.4	Supply, installation and centering lighting columns height 10 (10.9) m, conical octagonal performance, hot galvanized, threaded, for the wind zone 3, scheduled for installation bracket and lamp outdoor lighting as well as the type of KORS 2A-1000-3 " DALEKOVOD " or equivalent. Top column seal. Calculation per piece including materials and installation of the pre-prepared foundation	pcs	4	4.900,00	19 600.00			4	19 600.00
G 6.5	Supply and installation of dividing the column exterior lighting with built-D01 (E14) fuses. The divide must be able to accept min. 3 cable (input / output) number of wires and sections to 5x10mm2. For protection circuitry lights on a pole divide must be equipped with min. 3 D01 fuse rated current of 4A. The divide as type FKM 2050 " TYCO " or equivalent Offer	pcs	4	270.00	1 080.00			4	1 080.00
G 6.6	Supply of small installation materials (cable terminals, sleeves, etc.), Preparing the cable and connecting cable 5x6 (10) mm2 to divide the pillar or closet. Calculation per piece of cable, one-sided	pcs	10	370.00	3 700.00			10	3 700.00
G 6.7	Supply and mounting brackets 2 reflectors on a pole height of 10m, with swivel plates made according to the type of tendered limelight because it enables rotation reflector per horizontal axis. Material iron access painted by hot dip galvanizing, all fixing and other accessories must be protected by anti-corrosion or stainless materials	pcs	4	270.00	1 080.00			4	1 080.00
G 6.8	Supply, installation and connection of luminaires reflector, a source LED, aluminum housing, powder painted, silicone seal, tempered glass, IP66 protection, swivel bracket, lifespan L70 (70% of nominal light output) 130000h Characteristics of origin: - Asymmetric optics - Usable (real) luminous flux ≥ 23 770 lm - Light-efficiency lamps ≥ 99lm / W - Total power (LED module + gear) ≤ 238 W - Color light ≤ 4000K - CRI (Ra) ≥ 70 Flashlight with ENEC certification, the manufacturer must have a certificate of ISO9001, all such type Guell 3 A / W " SBP "" or equivalent	pcs	8	6 750,00	54 000,00			8	54 000,00
G 6.9	The supply and laying of stainless steel strips P30x3,5mm RF cable with outdoor lighting, previously prepared in an earthen trench, complete with stainless steel fittings and accessories	m'	60	46,00	2 760.00			60	2 760.00
G 6.10	The supply of stainless steel strips P30x3,5mm Rf and execution ground pillars of external lighting by connecting the grounding screw pillar and ground electrode in a trench. The sentence included stainless steel cross-coupling, "tape-strip", "tape l = 2m, and small installation supplies and accessories	set	4	160,00	640,00			4	640,00
G 6.11	Setting the (routing) reflector in accordance with the project and the results of measurements of illumination on the ground. The sentence included the measurement of illumination before and after fine tuning lamps	set	1	2.000.00	2 000,00			1	2 000,00
G.6	**Electric installation of outdoor lighting TOTAL**				101				101
G.7	**Lateral grounding**								
G 7.1	The supply and laying of stainless steel strips P30x3,5mm R in previously prepared soil trench along the ducts and energy for grounding available and foreign conductive parts (metal masses) in the building. All compounds perform a standard cross stainless steel fittings "strip-tape " and coated bitumen coating	m'	200	46.00	9.200.00	25	1 150,00	225	10 350,00
G 7.2	Development of lateral lines with grounding in the trenches, the average length l = 2.5m stainless steel strip P30x3,5mm Rf by cross-coupling (grounding conductive parts, introduced in wells, etc.) The compound coated with bitumen	pcs	35	155,00	5 425.00		35 5 425,00		
G 7.3	The implementation of ground available and foreign conductive mass connectivity to previously made copies of the tapes grounding. Compound perform screw, the type coupler or welding, complete with all necessary material	pcs	35	150,00	5 250.00			35	5 250,00
G 7.4	Supply of materials and execution ground (potential equalization) available and foreign conductive mass connecting green-yellow conductor type H07V-K 1x6mm2. Compound perform screw, the type coupler, complete with all necessary material. Cable length approx. 5m per joint	pcs	20	70.00	1.400,00			20	1.400,00
G 7.5	Supply of materials and execution ground (potential equalization) available and foreign conductive mass connecting green-yellow conductor type H07V-K 1x6mm2. Compound perform screw, the type coupler, complete with all necessary material. Cable length approx. 5m per joint	pcs	15	70.00	1 050,00		15 1 050,00		
G 7.6	Supply of materials and execution grounded fence landfill at prescribed intervals in accordance with project documentation. The item is included below specified outfitting and material, with the installation including nailing ground rod electrode (alt. Drilling) excavation pits and installation of the grounding wells and other work to full advantage								

	EXTRACTED CATALOG include VAT									
	• grounding III. " well 30×30×30cm - 1 pc • rod (stick) earthing Ø12mm, 1 – 2m - 1 pc • Stainless steel strip P30x3,5mm RI, 1 – 3m - 1 pc • Stainless steel cross-coupling - 1 pc • Stainless steel clamps (clip) for a fence - 1 pc • small fittings and accessories - 1 set	set	15	3 000.00	45 000.00				15	45 000.00
G 7.7	Delivery and installation assembly for dissipating static electricity and ground car tanks during refueling of diesel generators, as well as type SKX 15/41 ST "TEPEN" or equivalent	pcs	1	2 400.00	2 400.00				1	2 400.00
G 7	**Integral grounding TOTAL**				**69 725.00**		**1 150.00**		**6 475.00**	**64 400.00**
G.8	**Grounding of reservoirs**									
G.8.1	The supply and laying of stainless steel strips P30x3,5mm RI in previously prepared soil trench wash area wheel and grounding available and foreign conductive parts (metal masses) in wash area. All compounds perform a standard cross stainless steel fittings "strip-tape " and coated with bitumen coating	m	50	47.00	2 350.00			50	2 350.00	
G.8.2	The supply and laying of stainless steel strips P30x3,5mm RI in concrete foundations, walls and ceilings of the pool for leachate and storm water and based vehicular balances. All compounds perform a standard cross stainless steel fittings "strip-tape " and coated with bitumen coating	m	150	47.00	7 050.00			90	4 230.00	60 2 820.00
G.8.3	Development of metal lines with grounding in the trenches or concrete the average length l = 2 m stainless steel strip P30x3,5mm RI by cross-coupling (grounding conductive parts, etc.). The compound coated with bitumen	pcs	42	155.00	6 510.00			42	6 510.00	
G.8.4	The implementation of ground available and foreign conductive mass connectivity to previously made copies of the tape grounding. Compound perform screw, the type coupler or welding, complete with all necessary material	pcs	42	150.00	6 300.00			42	6 300.00	
G.8.5	Supply of materials and execution ground (potential equalization) available and foreign conductive mass connecting green-yellow conductor type H07V-K 1x6mm2. Compound perform screw, the type coupler, complete with all necessary material. Cable length approx. 5m per unit	pcs	30	70.00	2 100.00			30	2 100.00	
G.8.6	Supply of materials and execution ground (potential equalization) available and foreign conductive mass connecting green-yellow conductor type H07V-K 1x6mm2. Compound perform screw, the type coupler, complete with all necessary material. Cable length approx. 5m per unit	pcs	30	70.00	2 100.00			30	2 100.00	
G.8	**Grounding of reservoirs TOTAL**				**26 410.00**				**23 590.00**	**2 820.00**
G.9	**Construction works**									
G.9.1	Tracing the trench - marking the route of cable laying, cable wells and foundations of the pillars of external lighting. The course is conducted on the ground	m	250	2.00	500.00				250	500.00
G.9.2	Excavation of trench for laying cables and pipes for electrical installations (OG, VR) regardless of the category of the terrain, with planning bottom of the trench, dimensions 60 x 100 cm (W x H) with the correct cuts the sides. Material from excavation disposed on the side min 1m from the edge trench	m	15	70.00	1 050.00				15	1 050.00
G.9.3	Excavation of trench for laying cables and pipes for electrical installations (OG, VR) regardless of the category of the terrain, with planning bottom of the channel dimensions 40-60 × 80 cm (W x H) with the correct cuts the sides. Material from excavation disposed on the side min 1m from the edge of the trench	m	210	60.00	12 600.00	15	900.00		225	13 500.00
G.9.4	The supply and delivery of concrete C16 / 20 and creating a protective layer over the previously laid pipes and cables in the busy area	m3	1	800.00	800.00	0.92	736.00		1.92	1 536.00
G.9.5	The supply and laying of sand 0-4 mm in the cable channel in layers 10 cm below and 20 cm above the pipe with a slight ramming	m3	41	150.00	6 150.00			4	600.00	37 5 550.00
G.9.6	Filling the rest of the cable channel dimensions 60 × 100 cm with mechanical compaction and compaction testing. Filling is done in layers over the placement and grounding strips warning. The item also includes the removal of the remaining coarse material after backfilling	m	15	20.00	300.00				15	300.00
G.9.7	Filling the rest of the cable channel dimensions 60 × 80 cm. with mechanical compaction and compaction testing. Filling is done in layers over the placement and grounding strips warning. The item also includes the removal of the remaining coarse material after backfilling	m	210	20.00	4 200.00	15	300.00		225	4 500.00
G.9.8	The plastic warning tape "CAUTION-POWER CABLE" placed above the cables and pipes in the trenches in two layers	m	450	2.80	1 260.00			20	56.00	430 1 204.00
G.9.9	Supply and installation of prefabricated concrete orientation wells dim. 0.8 × 0.8 × 0.8 m (L x W x H) with cast-iron lid 125kN. The cover supplied with the appropriate inscription " ELECTRIC ". The item includes excavation pits the required size for the installation, removal of excess material, surface preparation (compaction, etc.), setting the well, retractable PVC tube set with sealing and backfilling of the pit. After leading tube opening is required watertight seal	pcs	10	4 250.00	42 500.00				10	42 500.00

		CONTRACTED G.T.TRADE include VO2							
G.9.10	Making concrete foundation dimensions 100 x 100 x 120cm for stud public illumination column h = 10m complete with tracing a pit excavated for the foundation regardless of the category of land concreting concrete C30 / 37, the installation of two PVC pipes Ø 50 mm / l = 4m and knees F125mm and installation reinforcement of concrete iron	pcs	4	1 100,00	4 400,00			4	4 400,00
G.9.11	The supply and delivery of the underlying concrete C20 / 25 and the production of spacer plates 10 cm thick in the pits beneath the cable wells and foundations of the pillars of external lighting	m3	1	1 000,00	1 000,00			1	1 000,00
G.9	**Construction works TOTAL**				**74 760,00**	**1.936,00**	**656,00**		**76 040,00**
G.10	**Installation tests and technical documentation**								
G.10.1	Testing installations strong currents in accordance with HRN HD 60364-6 including testing of protection in case of a breakdown, insulation resistance and illumination, as well as publishing the minutes of questioning	set	1	4 500,00	4 500,00			1	4 500,00
G.10.2	Examination of mobility (calibration) standing pipes and issuing the minutes of questioning	set	1	2 000,00	2 000,00			1	2 000,00
G.10.3	Testing of grounding and lightning protection systems in accordance with the Technical Regulations for systems of protection from the effects of lightning on buildings (OG 87/08)	set	1	2 000,00	2 000,00			1	2 000,00
G.10.4	Built design (the project with all the marked changes and amendments in accordance with the actual state) made in three copies, and the development and delivery of software documentation in paper and electronic form (3 sets of copies)	set	1	2 500,00	2 500,00			1	2 500,00
G.10.5	Geodetic survey of all derivative positions and installation of wells and columns. Creating geodetic report in 3 copies and in electronic format, all in the form to enable the entry of infrastructure in cadaster lines	pcs	1	3 500,00	3 500,00			1	3 500,00
G.10	**Installation tests and technical documentation TOTAL**				14 500,00				14 500,00
G	**ELECTROTECHNICAL WORKS**								
G.1	**GENERATOR STATION**				**153 200,00**	**4.200,00**			**157.400,00**
G.2	**MAIN POWER DISTRIBUTTION**				**114 586,00**	**20 265,00**	**28.085,00**		**106.766,00**
G.3	**ELECTRIC INSTALLATION OF BUILDING FOR PERSONNEL**				**19.305,00**	**540,00**	**13.331,00**		**6.514,00**
G.4	**ELECTRIC INSTALLATION OF GARAGE FOR COMPACTOR**				36 211,00	60,00	1 806,00		34 465,00
G.5	**LPS OF GARAGE FOR COMPACTOR**				**11,500,00**	**1.440,00**	**660,00**		**12.280,00**
G.6	**ELECTRIC INSTALLATION OF OUTDOOR LIGHTING**				**102.480,00**		**1.400,00**		**101.080,00**
G.7	**INTEGRAL GROUNDING**				**69.725,00**	**1.150,00**	**6 475,00**		**64.400,00**
G.8	**GROUNDING OF RESERVOIRS**				**26 410,00**		**23.590,00**		**2 820,00**
G.9	**CONSTRUCTION WORKS**				**74.760,00**	**1.936,00**	**656,00**		**76 040,00**
G.10	**INSTALLATION TESTS AND TECHNICAL DOCUMENTATION**				14 500,00				14 500,00
G	**ELECTROTECHNICAL WORKS SUMMARY**				**622.677,00**	**29.591,00**	**76.003,00**		**576.265,00**
	ADENDA no.1								
H.1	Mechanical excavation of class "A" material, to the elevations specified in the design. The item includes excavation, transport and disposal at the place where backfilling shall be performed. The excavation includes also the fragmentation of large pieces into grains of maximum size of 40 cm. Calculation is conducted per m3 of actually excavated and transported material in natural condition, based on surveyed profiles and in the presence of the supervising engineer who shall also determine the class and percentage of excavated material	m3	125 061,00	83,50	10 442 593,50		1700	141.950,00	123361	10.300 643,50
H.2	Cost of mobilization and demobilization of machines	set	1,00	378 634,24	378 634,24			1	378 634,24
	ADENDA no.1 SUMMARY						141.950,00		
	TOTAL								
II.	**VIK - VODOOPSKRBA**								
II.1.	**Zemljani radovi**								
II.1.1.	Strojni iskop materijala u B kategoriji do dubine h[m] ovisno o građevini sa vertikalnim zasjecanjem. Radove izvesti ovisno o opremljenosti i tehnologiji rada izvođača za sve dubine prema grafičkim prilozima projekta. Širina rova je ovisna o normalnom profilu i veličini cjevovoda. Iskopano tlo odbacuje se u stranu unutar radnog pojasa, a ukoliko je potrebno na uskim mjestima se odvozi, međudeponira i kod zatrpavanja se ponovo dovozi na mjesto ugradbe. Način iskopa određuje izvoditelj, a obračun će biti proveden prema količinama po idealnom profilu iz glavnog projekta tako da višak iskopa treba biti ukalkuliran u cijenu i neće se naknadno priznavati. U stavku su uključeni svi potrebni radovi i oprema za razupiranje i osiguranje rova od urušavanja, prema tehnologiji izvođača radova, u skladu s propisanim uvjetima zaštite na radu, uključujući i potreban iskop za ugradnju zaštitne oplate (koji nije posebno specificiran). Iskop materijala (obračun u sraslom stanju) Voda za perilište kotača								

	a) cjevovod, iskop dubine 0,9 m - 21 m3										
	b) tipsko okno s priključkom za DN 32 - 2,0 m3										
		m³	23,00	90,00	2.070,00	9,00	810,00			32	2 880,00
	(kao stavka D.)										
II.1.2.	Nabava i doprema pijeska granulacije 0 ÷ 12 mm te izrada pješčane posteljice debljine 10 cm za polaganje cjevovoda. Stavka uključuje zbijanje ručnim nabijačima. Izrada posteljice										
	Voda za perilište kotača										
	a) cjevovod - 3,2 m3										
	(kao stavka C. 4.)	m³	2,30	160,00	368,00	0,70	112,00			3	480,00
II.1.3.	Nabava i doprema pijeska/šljunka ili drobljenog kamena granulacije 0 ÷ 32 mm te zatrpavanje cjevovoda s debljinom nadsloja iznad tjemena cijevi od 30 cm. Stavka uključuje zbijanje ručnim nabijačima. Posebnu pažnju obratiti na bočno zbijanje materijala između cijevi i stijenke rova visine 0,5 D kako bi se dobio čim veći kut naliježanja. Pri zatrpavanju sloj mora ostati vidljiv do provođenja tlačne probe.										
	Zatrpavanje zemljanim materijalom										
	Voda za perilište kotača										
	a) cjevovod - 6,90 m3										
	(kao stavka C. 5.)	m³	6,90	120,00	828,00	2,10	252,00			9	1 080,00
II.1.4.	Zatrpavanje prostora zone ispune rova cjevovoda iznad zone zaštite cjevovoda materijalom iz iskopa (max veličine zrna 63 mm). Stavka uključuje utovar, prijevoz, istovar, niveliranje i zbijanje materijala do projektiranog modula stišljivosti u slojevima debljine 30 cm.										
	Voda za perilište kotača										
	a) cjevovod - 4,60 m3										
	b) Tipsko okno s priključkom za DN 32 - 1,00 m3										
	(kao stavka C. 6.)	m³	5,60	18,00	100,80	13,40	241,20			19	342,00
II.1.5.	Prijevoz viška materijala iz iskopa nakon zatrpavanja prostora oko ugrađenih građevina na deponiju unutar gradilišta na udaljenosti do 500m. Stavka uključuje utovar, prijevoz i istovar te razastiranje materijala na deponiji.										
	Prijevoz materijala iz iskopa (obračun u sraslom stanju)										
	Voda s perilišta kotača										
	a) cjevovod - 16,40 m3										
	b) Tipsko okno s priključkom za DN 32 - 1,00 m3										
	(kao stavka C. 7.)	m³	17,40	12,00	208,80			4	48,00	13,4	160,80
II.1.	***Zemljani radovi ukupno:***				**3.575,60**		1 415,20		48,00		4 942,80
II.2.	**Monterski radovi**										
II.2.1.	Nabava, dopema i ugradnja glatkih PEHD tlačnih cijevi za izvedbu cjevovoda za napajanje miniwasha perilišta kotača. Stavka uključuje sav potreban rad i materijal za njihovu ugradnju. Obračun po m' izvedene cijevi.										
	Voda za perilište kotača										
	PEHD OD 32 mm, SDR 17, PE 100, PN 10	m	60,00	50,00	3 000,00			10	500,00	50	2 500,00
	(kao stavka C. 11.)										
II.2.2.	Nabava, dopema i ugradnja tipskog AB okna tlocrtnih dimenzija minimalno 1 x 1 m. Okno mora biti opremljeno priključkom za DN 32 mm (vanbl 1" + brza spojka za spajanja miniwasha). Obračun prema komadu izvedenog okna. U stavku je uračunato sve potrebno za punu funkcionalnost.										
		kom	1,00	10.000,00	10.000,00					1	10 000,00
II.2.	**Monterski radovi ukupno:**				**13.000,00**				500,00		12 500,00
II.	**[illegible]**						1 415,20				17 442,80
III.	**[illegible]**										
	Perilište kotača										
	Okno perilišta kotača										
III.1	**Zemljani radovi**										
III.1.1.	Iskop zemlje s odlaganjem u neposrednoj blizini građevinske jame. Stavka uključuje i uređenje temeljnog tla mehaničkim zbijanjem do projektiranog modula stišljivosti. Obračun prema m3 zemlje u sraslom stanju. Količina određena prema idealnom profilu.										
	a) Perilište kotača	m³	2,60	90,00	234,00	13,40	1 206,00			16	1 440,00
	b) Okno perilišta kotača	m³	11,00	90,00	990,00			9	810,00	2	180,00
	(kao stavka C. 1.)										
III.1.2.	Nabava, doprema i ugradnja tamponskog sloja do projektom određene kote. Stavka uključuje i uređenje tamponskog sloja mehaničkim zbijanjem do projektiranog modula stišljivosti od 40 MPa. Obračun prema m3 zemlje u sraslom stanju.										
	a) Perilište kotača	m³	9,00	120,00	1.080,00			1	120,00	8	960,00
	b) Okno perilišta kotača	m³	2,00	120,00	240,00			0,7	84,00	1,3	156,00
	(kao stavka C. 1.5.)										
III.1.3.	Prijevoz viška materijala iz iskopa nakon zatrpavanja građevinske jame na odlagalište udaljeno do 5 km. Stavka uključuje utovar, prijevoz i istovar te razastiranje materijala na odlagalištu. Obračun prema m3 zemlje u sraslom stanju										
	(kao stavka C. 3.)	m³	80,00	12,00	960,00			60	720,00	20	240,00
III.1	**Zemljani radovi ukupno:**				**3.504,00**		1 206,00		1 734,00		2 976,00
III.2.	**Betonski radovi**										
III.2.1.	Betoniranje podložnog betona razreda tlačne čvrstoće C12/15. Stavka uključuje proizvodnju odnosno nabavu i dopremu betona, ugradnju i njegu svježeg betona. Obračun prema m3 ugrađenog betona										
	a) Perilište kotača	m³	2,50	750,00	1.875,00	0,20	150,00			2,7	2.025,00
	b) Okno perilišta kotača	m³	0,50	750,00	375,00					0,5	375,00
	(kao stavka C. 1.)										
III.2.2.	Betoniranje betonom razreda tlačne čvrstoće C30/37, XD3. Stavka uključuje proizvodnju, odnosno nabavu i dopremu betona, ugradnju i njegu svježeg betona. Stavka također uključuje svu potrebnu oplatu te materijale i radove vezane uz oplatu. Obračun prema m3 ugrađenog betona.										
	Perilište kotača	m³	5,20	1.650,00	8.580,00			0,7	1 155,00	4,5	7 425,00
	(kao stavka C. 2.2 + XD3)										
III.2.3.	Betoniranje betonom razreda tlačne čvrstoće C30/37, vodonepropusni, XD2. Stavka uključuje proizvodnju, odnosno nabavu i dopremu betona, ugradnju i njegu svježeg betona. Stavka također uključuje svu potrebnu opla tu te materijale i radove vezane uz oplatu. Obračun prema m3 ugrađenog betona.										

				CONTRACTED C.T.T.B.A.D.B include VO:							
	Okno perilišta kotaca (kao stavka D 2 2 + XD2)	m³	5,10	1.650,00	8.415,00			4,5	7.425,00	0,6	990,00
III.2.	**Betonski radovi ukupno:**				**19.245,00**		150,00		8.580,00		10.815,00
III.3.	**Armirački radovi**										
III.3.1.	Nabava, doprema, rezanje, savijanje, prijenos do mjesta ugradnje i ugradnja armature. Stavka uključuje sav potreban materijal i radove. Obračun prema kg ugrađene armature										
	a) Perilište kotaca	kg	535,00	8,00	4.280,00					535	4.280,00
	b) Okno perilišta kotaca (kao stavka C 1 3.1)	kg	678,00	8,00	5.424,00					678	5.424,00
III.3.	**Armirački radovi ukupno:**				**9.704,00**						9.704,00
III.4.	**Monterski radovi**										
III.4.1.	Nabava, doprema i ugradnja lijevanoželjeznog poklopca nosivosti B125 (150 kN). Poklopac se ugrađuje na okno perilišta kotača. Poklopac je dimenzija 600 x 600 mm. Obračun prema komadu ugrađenog poklopca	kom	1,00	900,00	900,00					1	900,00
III.4.2.	Nabava, doprema i ugradnja lijevanoželjeznih rešetki dimenzija 400 x 400 mm. Rešetke se ugrađuju na perilištu kotača. Obračun prema komadu ugrađene rešetke	kom	5,00	900,00	4.500,00					5	4.500,00
III.4.	**Monterski radovi ukupno:**				**5.400,00**						5.400,00
III.	**KONSTRUKCIJE UKUPNO:**				**37.883,00**		1.356,00		10.314,00		28.895,00
IV.	**ODLAGALIŠTE** **Sustav recirkulacije procjedne vode**										
IV.1.	**Zemljani radovi**										
IV.1.1.	Strojni iskop materijala u C kategoriji do dubine h[m] ovisno o građevini sa vertikalnim zasijecanjem. Radove izvesti ovisno o opremljenosti i tehnologiji rada izvođača za sve dubine prema grafičkim prilozima projekta. Širina rova je ovisna o normalnom profilu i veličini cjevovoda. Iskopano tlo odbacuje se u stranu unutar radnog pojasa, a ukoliko je potrebno na uskim mjestima se odvozi, međudeponira i kod zatrpavanja se ponovo dovozi na mjesto ugradbe. Način iskopa određuje izvoditelj, a obračun će biti proveden prema količinama po idealnom profilu iz glavnog projekta tako da višak iskopa treba biti ukalkuliran u cijenu i neće se naknadno priznavati. U stavku su uključeni svi potrebni radovi i oprema za razupiranje i osiguranje rova od urušavanja, prema tehnologiji izvođača radova, u skladu s propisanim uvjetima zaštite na radu, uključujući i potreban iskop za ugradnju zaštitne oplate (koji nije posebno specificiran). (kao stavka D 1 1)	m³	11,40	90,00	1.026,00	1,20	108,00			12,6	1.134,00
	Strojni iskop materijala u C kategoriji (rekultivirajućem sloju odlagališta) do dubine 0,8 m. (kao stavka C.1 1 1)	m³	104,50	35,00	3.657,50					104,5	3.657,50
IV.1.2.	Nabava i doprema pijeska granulacije 0 - 12 mm te izrada pješčane postelјice debljine 10 cm za polaganje cjevovoda. Stavka uključuje zbijanje ručnim nabijačima (kao stavka C 1 1 4)	m³	9,00	160,00	1.440,00	6,00	960,00			15	2.400,00
IV.1.3.	Nabava i doprema pijeska/šljunka ili drobljenog kamena granulacije 0 - 32 mm te zatrpavanje cjevovoda s debljinom nadsloja iznad tjemena cijevi od 30 cm. Stavka uključuje zbijanje ručnim nabijačima. Posebnu pažnju obratiti na bočno zbijanje materijala između cijevi i stijenke rova visine 0,5 D kako bi se dobio čim veći kut naliјeganja. Pri zatrpavanju spoj mora ostati vidljiv do provođenja tlačne probe (kao stavka C 1 1 5)	m³	26,00	120,00	3.120,00	19,00	2.280,00			45	5.400,00
IV.1.4.	Nabava, doprema i ugradnja glatkih PEHD tlačnih PE 100, OD 90 mm, SDR 17 (PN 10) cijevi za izvedbu sustava recirkulacije procjedne vode. Stavka uključuje sav potreban rad i materijal za njihovu ugradnju, ispitivanje montiranog cjevovoda na vodonepropusnost pomoću vode na odgovarajući tlak, te nulto čišćenje sustava. Prije punjenja cjevovod mora biti zatrpan, osim spojeva.	m'	250,00	120,00	30.000,00					250	30.000,00
IV.1.5.	Zatrpavanje prostora zone iznad zone zaštite cjevovoda materijalom iz iskopa (rekultivirajući sloj odlagališta). Stavka uključuje utovar, prijevoz, istovar, niveliranje i zbijanje materijala do projektiranog modula stišljivosti u slojevima debljine 30 cm (kao stavka C 1 1 6)	m³	77,00	18,00	1.386,00			17	306,00	60	1.080,00
IV.1.6.	Prijevoz viška materijala na deponiju unutar gradilišta na udaljenosti do 500m. Stavka uključuje utovar, prijevoz i istovar te razastiranje materijala na deponiji (kao stavka C 1 1 7)	m³	11,40	12,00	136,80	45,40	544,80			56,8	681,60
IV.	**ODLAGALIŠTE** **- SUSTAV RECIRKULACIJE UKUPNO:**				**40.766,30**		3.892,80		306,00		44.353,10
V.1.	**ARHITEKTONSKI PROJEKT - NADSTREŠNICE**										
V.1.1.	**Garaža za kompaktor**										
V.1.1.1.	Obloga krova i pročelja										

	Nabava, dopr[illegible]ema i montaža fasadnog i krovnog sendvič panela po EN 14509 ili jednakovrijednoj normi. Sendvic panel se sastoji od obostrano pocinčanog čeličnog lima debljine 0,5/0,5 mm (kvalitete lima S 320 GD), trapeznog profila s gornje i standardnog profila s donje strane. - Krovni panel mikroliniranog s vanjske strane i standardnog profila s unutarnje strane - Fasadni panel s konstrukcijskom jezgrom od PIR-a gustoće 40± kg/m3, ukupne debljine 100 mm, klase negorivosti B s1 d0 prema EN 13501 ili jednakovrijednoj normi. Paneli su obostrano antikorozivno zaštićeni PS bojom 35 ym (hairultra) te zaštitnim folijama koje se skidaju kod montaze, boja RAL 7011/9002. U faktor 0,214 W/m2K, Krovni sendvič paneli se postavljaju na prethodno montirane rožnice na rasponu 2,0 m. Nosivost krovnog panela mora biti sukladna proračunu iz glavnog projekta. Stavka uključuje kompletno rješenu odvodnju oborinskih voda, horizontalne i vertikalne olučnjake, okapnice i druge fazonske elemente istog proizvođača. U cijenu su uključeni svi potrebni preklopi i spojna sredstva kao i sve potrebno za punu funkcionalnost. Obračun po m2. Izvedba i montaža prema projektu i dogovoru s projektantom.								
	Žljebovi se izvode od nehrđajućeg čelika debljine 0,55 mm, pravokutnog poprečnog presjeka 15 x 15 cm, pričvršćenog kukama od nehrđajuceg čelika dimenzija 30/3 mm na rožence. Vertikalne cijevi za odvodnju izvode se od nehrđajućeg čelika debljine 0,55 mm, kvadratičnog poprečnog presjeka 10 x 10 cm. Cijevi za odvodnju pričvršćene su za stupove nehrđajućim obujmicama od plosnatog čelika dimenzija 30/3 mm. Obujmice se montiraju na razmaku 1,00 m međusobne udaljenosti. Fasadni sendvič paneli se postavljaju vertikalno na prethodno montiranu potkonstrukciju. U cijenu su uključeni svi potrebni preklopi, spojna sredstva, opsavi i sve potrebno za punu funkcionalnost. Nosivost fasadnog panela mora biti minimalno 1,00 kN/m² na razmaku od 3,0 m. Boja: RAL 7011/9002 Paneli moraju biti otporni na požar minimalno 30 min. KROVNI PANEL - REI 30 prema EN 13501-2 FASADNI PANEL - EI 30 prema EN 13501-2 U jediničnu cijenu ukalkulirati montazu i demontažu sve potrebne skele. Obračun prema m². EN 14509 ili jednakovrijedna norma. _____ EN 13501 ili jednakovrijedna norma. _____								
	Krov - (krovni panel)	m²	70,00	666,00	46 620,00			70	46 620,00
	Pročelje (fasadni lim) _ Jugozapad	m²	15,00	720,00	10 800,00			15	10 800,00
	Pročelje (fasadni lim) _ Sjeveroistok	m²	22,00	720,00	15 840,00			22	15 840,00
	Pročelje (fasadni lim) _ Sjeverozapad	m²	33,00	720,00	23 760,00			33	23 760,00
	Pročelje (fasadni lim) _ Jugoistok	m²	36,00	720,00	25 920,00			36	25 920,00
V.1.1.	**Garaža za kompaktor ukupno:**				**122 940,00**				122 940,00
V.1.2.	**Garaža za kompaltor - vrata i prozori**								
V.1.2.1.	Vrata Sekcijska podizna vrata Stavka uključuje nabavu, dopremu i montažu. Sekcijska vrata, podizna segmentna vrata izrađena od čeličnog pocinčanog lima s poliuretanskom ispunom. Šinne 400 - visine 500 m. Čelični lim je dvostruko plastificiran (trajna zaštita od korozije i atmosferilija). Ugrađen je sigurnosni sistem kočnica (sistem pero - utor) kao osiguranje od nekontroliranog pada. Vratima se upravlja motornim pogonom pomoću daljinskog upravljača i tipkalom (u samoj hali) Vanjska boja je elektrostatski zapečena na pripremljenim pocinčanom čeličnom limu. Spojni okovi i vodilice su toplo cinčani, debljine 2 i 1,5 mm. Bazni i gornji profil vrata su od aluminija. Pocinčane torzione opruge (za balansiranje i podizanje) se nalaze iznad vrata. Jedno polje vrata su prozirni prozorski elementi. Boja vrata RAL 7016	kom	1,00	60 000,00	60 000,00			1	60 000,00
V.1.2.2.	Prozori Nabava, dopr[illegible]ema i montaža Al prozora. Prozori su aluminijska stolarija s minimalnim zahtjevima i karakteristikama termoizolacijskih svojstava.	kom	8,00	4.800,00	38 400,00			8	38 400,00
V.1.2.	**Garaža za kompaltor - vrata i prozori ukupno:**				**98 400,00**				98 400,00
V.1.	**NADSTREŠNICA UKUPNO:**				**221 340,00**				221 340,00
VI.	**OSTALO**								
VI.1.	**Dodatak crpke za oborinske vode**	kom	1,00	25.272,00	25.272,00			1	25 272,00
VI.2.	**Formiranje pokosa terena/nasipa iznad odlagališne kazete**	m²	11300,00	13,72	155.036,00	160	2 195,20	11140	152 840,80
VI.3.	**Ulazna vrata na istočnom dijelu odlagališta** **(kao stav. A.2.2.)**	kom	1,00	19 000,00	19 000,00			1	19 000,00
VI.4.	**Izrada betonskog okna (svijetlih dim. 1x1x1,8) za smještaj crpki za sanitarnu vodu**	kom	1,00	9.945,00	9.945,00			1	9 945,00
VI.5.	**Troškovi zaštite u periodu od 24.01.18. do 13.04.19.**	kom		2.047.964,11					
VI.	**OSTALO UKUPNO:**				**209 253,00**		2 195,20		207 057,80

		CONTRACTED G.T.TRADE include VO2							
VII.	**Naknadna izvedba**								
1.1.	Rezanje betona u armiranobetonskoj gornjoj ploči bazena za procjedne vode (okno za ulaz). Rezanje se izvodi pomocu dijamantne pile. Dubina reza iznosi 25 cm, a dimenzije reza su 600 x 600 mm. Stavka uključuje sav potreban rad, opremu i transport opreme za rezanje, te eventualni dodatni materijal kako bi se izveo potrebni rez armiranog betona.	m	2,40	6.375,00	15.300,00			2,4	15.300,00
1.2	Rezanje betona u armiranobetonskoj gornjoj ploči bazena za oborinske vode (okno za crpke). Rezanje se izvodi pomocu dijamantne pile. Dubina reza iznosi 25 cm, a dimenzije reza su 1200 x 1500 mm. Stavka uključuje sav potreban rad, opremu i transport opreme za rezanje, te eventualni dodatni materijal kako bi se izveo potrebni rez armiranog betona.	m	5,40	4.500,00	24.300,00			5,4	24.300,00
1.3.	Bušenje rupe u zidovima bazena za oborinske vode i okna za priključak vatrogasnog crijeva za prolazak cijevi DN50	kom	1,00	8.150,00	8.150,00			1	8.150,00
1.4.	Bušenje rupe u gornjoj ploči bazena za procjedne vode prolazak cijevi oduška promjera 3"	kom	1,00	8.150,00	8.150,00			1	8.150,00
1.5.	Nabava, doprema i ugradnja betona tlačne čvrstoce C25/30 za izvedbu grla okana i okna za priključenje vatrogasnog crijeva za pranje površina kod bazena za oborinske vode. Stavka uključuje obodnu oplatu, njegu betona i atest tlačne čvrstoce. (stavka D.2.3.)	m^3	2,00	1.300,00	2.600,00			2	2.600,00
1.6.	Nabava, doprema i ugradnja konstruktivne armature od čelika kvalitete B 500 B u svrhu izvedbe grla okana i okna za priključenje crijeva za pranje površina kod bazena za oborinske vode. Stavka uključuje nabavu, dopremu, rezanje, oblikovanje, prijenos do mjesta ugradnje i ugradnju. Stavka također uključuje atest ugrađene armature (stavka D.3.1.)	kg	160,00	7,50	1.200,00			160	1.200,00
1.7.	Nabava, doprema i ugradnja čeličnih ljestvi duljine 232 cm, odvojene od dna bazena 29 cm. Antikorozivna zaštita je vruce cinčanje za razred korozivnosti C5. Penjalice izvesti od okruglog profila promjera 16 mm. Penjalice su široke 45 cm te su na osnom razmaku od 30 cm. Ljestve se montiraju na zid okna sa 4 ankera M8. Ljestve se izvode u jednom komadu, tako da su prečke zavarene na dva flaha debljine minimalno 8 mm. Stavka uključuje i izvedbu pripadajuceg ledobrana prema važećem Zakon o zaštiti na radu i spoj na uzemljenje.	kom	1,00	11.258,70	11.258,70			1	11.258,70
1.8.	Nabava, doprema i ugradnja čeličnih ljestvi duljine 303 cm, odvojene od dna talcižnice prema 30 cm. Antikorozivna zaštita je vruće cinčanje za razred korozivnosti C5. Penjalice izvesti od okruglog profila promjera 16 mm. Penjalice su široke 45 cm te su na osnom razmaku od 30 cm. Ljestve se montiraju na zid okna sa 4 ankera M8. Ljestve se izvode u jednom komadu, tako da su prečke zavarene na dva flaha debljine minimalno 8 mm. Stavka uključuje i izvedbu pripadajućeg ledobrana prema važećem Zakon o zaštiti na radu i spoj na uzemljenje.	kom	1,00	12.170,00	12.170,00			1	12.170,00
1.9.	Nabava, doprema i ugradnja čeličnih ljestvi duljine 440 cm, odvodjene od dna bazena 29 cm. Antikorozivna zaštita je vruće cinčanje za razred korozivnosti C5. Penjalice izvesti od okruglog profila promjera 16 mm. Penjalice su široke 45 cm te su na osnom razmaku od 30 cm. Ljestve se montiraju na zid okna sa 4 ankera M8. Ljestve se izvode u jednom komadu, tako da su prečke zavarene na dva flaha debljine minimalno 8 mm. Stavka uključuje i izvedbu pripadajućeg ledobrana prema važećem Zakon o zaštiti na radu i spoj na uzemljenje.	kom	2,00	12.756,50	25.513,00			2	25.513,00
1.10.	Nabava, doprema i ugradnja kanalskog poklopca pravokutnog oblika dimenzija 600 x 600 mm prema normi HRN EN-124:2015. Stavka uključuje sav potreban rad i materijal za ugradnju. Poklopac klase B 125 (nosivost 125 kN)	kom	2,00	4.875,00	9.750,00			2	9.750,00
1.11.	Nabava, doprema i ugradnja kanalskog poklopca pravokutnog oblika dimenzija 1200 x 1200 mm prema normi HRN EN-124:2015. Stavka uključuje sav potreban rad i materijal za ugradnju. Poklopac klase B 125 (nosivost 125 kN)	kom	1,00	25.525,00	25.525,00			1	25.525,00
1.12	Nabava, doprema i ugradnja elemenata cjevovoda unutar okna za priključenje vatrogasnog crijeva za pranje površina kod bazena za oborinske vode:								
	- prirubnica s navojem DN50	kom	1,00	515,61	515,61			1	515,61
	- nipl DN50	kom	3,00	154,67	464,01			3	464,01
	- Y-filtar DN50	kom	1,00	574,50	574,50			1	574,50
	- razdjelni komad DN50	kom	1,00	447,10	447,10			1	447,10
	- ventil DN50	kom	1,00	769,50	769,50			1	769,50
	- spojnica za vatrogasno crijevo DN50	kom	1,00	444,89	444,89			1	444,89
	- redukcija DN50/25	kom	1,00	287,30	287,30			1	287,30
	- nipl DN25	kom	2,00	140,40	280,80			2	280,80
	- ventil DN25	kom	1,00	487,40	487,40			1	487,40
	- spojni komad sa slobodnom maticom (PEHD-č) OD32/DN25	kom	1,00	401,60	401,60			1	401,60
1.13.	Nabava doprema i ugradnja oduška bazena za procjedne vode. Odušak se izvodi od čeličnih cijevi promjera 3" te tzv. lule koja se izvodi od dva luka 90° promjera 3". Visina oduška od kote uređenog terena iznosi 5 m. Stavka uključuje izvedbu antikorozivne zaštite (temeljni i finalni premaz) i spoj na uzemljenje	ompl	1,00	20.550,00	20.550,00			1	20.550,00
	UKUPNO				**169.139,41**				**169.139,41**
	ADENDA no.2 SUMMARY				**1.694.927,31**	**6.664,00**	**13.363,20**		**688.228,11**
	ADENDA no.3								
1	Nabavu, dopremu i ugradnju kompaktnog prekidača snage s mogucnosti daljinskog isklopa signalom 230V uz dodatne premake prema zahtjevu strojarskog i elektro nadzora koji su izvedeni na terenu dana 03.12.2019	kom		16.635,00		1	16.635,00	1	16.635,00
2.	**Troškovi zastoja u periodu od 24.01.18. do 13.04.19.**								

		CONTRACTED G.V. TRADE (without VAT)					
		kom	453 032,73	1	453 032,73		1 453 032,73
	ADENDA no 3 SUMMARY				469.667,73		469.667,73
	TOTAL SUMMARY						
A	ARCHITECTURAL WORKS		360.500,00				360.500,00
B	CIVIL WORKS - TRAFFIC AND MANIPULATIVE AREA		215.070,00		16 482,00	30 522,00	201.030,00
C	CIVIL WORKS - WATER SUPPLY AND DRAINAGE		263 730,63		9.891,00	1.925,00	271.696,63
D	CIVIL WORKS - CONSTRUCTION		356 406,50		31.180,68	26 400,00	361.187,18
E	CIVIL WORKS - LANDFILL (STAGE II, PHASE 1)		16.961.177,26			154 550,00	16 806 627,26
F	MECHANICAL WORKS		265.000,00				265.000,00
G	ELECTROTEHNICAL WORKS		622.677,00		29.591,00	76.003,00	576 265,00
H	ADENDA no 1		10 821.227,74			141.950,00	10 679 277,74
I	ADENDA no 2		694 927,31		6 664,00	13 363,20	688.228,11
J	ADENDA no 3				469.667,73		469.667,73
	TOTAL SUMMARY		30.560.716,43		563.476,41	444.713,20	30.679.479,64

DRUGI DAN DO 10 SATI

HP
EM 10 465 127 9

Split
27.12.19
10:53:38
21108

46.88
Hrvatska pošta

Masa: 932g
01 1000 1

ZG1
10950 ZAGREB DP
EM104651279HR
21108
27.12.2019 10:53:46
Hrvatska pošta
0.932 kg

FOND ZA ZAŠTITU OK
I ENERGETSKU UČINK
M/R g. ŽURAJ BARIČ
RADNIČKA CESTA 80
10000 ZAGREB

ZAPRIMLJENO
REPUBLIKA HRVATSKA
FOND ZA ZAŠTITU OKOLIŠA
I ENERGETSKU UČINKOVITOST
10000 ZAGREB, Radnička cesta 80
30 -12- 2019