



NET4GAS, s.r.o

**HP PIPELINE DN 1400, NODE
KATEŘINSKÝ POTOK - NODE PŘIMDA
SCHEDULE OF HOURLY RATES**

6.12.2018

DVZ

ILF CONSULTING ENGINEERS

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REVISION HISTORY

Rev.	Date	Issue, Purpose	Prepared	Checked	Approved
000	6.12.18	Approved	Skybsky	Hurnik	Schorling
B01	27.11.18	Issue for Review	Skybsky	Hurnik	Schorling

1.	TIME RATES - PERSONNEL	
ITEM	DESCRIPTION	Rate per Hour [EUR]
1	Project Management, Lead Engineers	
1.1	Management, Supervision and Administrative Personnel (Category A) No charge associated with Manager, Lead Engineer and Coordinator Time Rates defined as Category A Personnel permitted unless there is an approved change in overall duration of the Works.	
1.1.1	Project Manager	
1.1.2	Deputy Project Manager	
1.1.3	Engineering Manager	
1.1.4	Quality Assurance (QA/QC) Manager	
1.1.5	HSE Manager	
1.1.6	Procurement Manager	
1.1.7	Contract Manager	
1.1.8	Site Manager	
1.1.9	Planning Manager	
1.1.10	Administration & Cost Control Manager	
1.1.11	Construction Manager	
1.1.12	Deputy Construction Manager	
1.1.13	Lead Process Engineer	
1.1.14	Lead Discipline Engineer	
1.1.15	Lead Planning Engineer	
1.1.16	Lead Cost Engineer	
1.1.17	Construction Superintendent	
1.1.18	Pipeline Superintendent	
1.1.19	Expediting and / or Inspection Coordinator	
1.1.20	HSSE Inspector	
2	Administrative Personnel	
2.1	Planner	
2.2	Administrative Personnel	
2.3	Cost Controller / Accountant	
2.4	Clerk / Document Controller	
3	Engineering Personnel	
3.1	Process Engineer (Senior)	
3.2	Structural Engineer (Senior)	
3.3	Piping Engineer (Senior)	
3.4	Electrical Engineer (Senior)	
3.5	Instrumentation / Scada / Telecom Engineer (Senior)	
3.6	Mechanical / HVAC Engineer (Senior)	
3.7	QA/QC or HSE Engineer (Senior)	
3.8	Process Engineer	
3.9	Structural Engineer	
3.10	Piping Engineer	
3.11	Electrical Engineer	
3.12	Instrumentation and Control Engineer	
3.13	Mechanical / HVAC Engineer	
3.14	Civil Engineer	
3.15	QA/QC or HSE Engineer	
3.16	CAD Technician or senior draftsman (all Disciplines)	
3.17	Junior CAD Draftsman (all Disciplines)	
3.18	Computer network Administrator	
3.19	Telecommunications Engineer	

1.	TIME RATES - PERSONNEL	
ITEM	DESCRIPTION	Rate per Hour [EUR]
3.20	Rotating Equipment Engineer	
3.21	Corrosion Engineer	
3.22	Protective Coating Inspector	
3.23	Cathodic Protection Engineer	
3.24	Cathodic Protection Technician	
3.25	Cathodic Protection Assistant	
4	Construction Foremen	
4.1	Site Survey / Dimensional Control	
4.2	Structural welding / erection	
4.3	Pipeline	
4.4	Pipe welding	
4.5	Pipe fitting	
4.6	Mechanical	
4.7	Electrical	
4.8	Instrumentation	
4.9	Scaffolding	
4.10	Rigging	
4.11	Painting / Coating	
4.12	Civil / Structural	
4.13	Pipeline Supervisor	
4.14	Pipeline Foreman	
5	Labour	
5.1	Qualified Pipeline Welder	
5.2	Pipeline Fitter	
5.3	Qualified Pipeline Coating Application Worker	
5.4	Structural Welder	
5.5	Qualified Structural Welder	
5.6	Civil Craftsman	
5.7	Civil Craftsman Assistant	
5.8	Senior Surveyor	
5.9	Surveyor Assistant	
5.10	Tree feller	
5.11	Pipe Welder	
5.12	Erector/Plater	
5.13	Pipe Fitter	
5.14	Pipework Fitter Assistant	
5.15	Head Pipework Fitter	
5.16	Mechanical Fitter	
5.17	Painter / Coater	
5.18	Rigger	
5.19	Electrical Technician	
5.20	Electric Technician Assistant	
5.21	Instrumentation Technician	
5.22	Blaster	
5.23	Structural Steel Worker	
5.24	Scaffolder	
5.25	NDT Technician	
5.26	Mechanic	
5.27	Carpenter	
5.28	Unskilled Labour and Helper	

1.	TIME RATES - PERSONNEL	
ITEM	DESCRIPTION	Rate per Hour [EUR]
5.29	Equipment Operator (Heavy)	
5.30	Equipment Operator (Light)	
Note	Equipment / Machine Operators and Vehicle Drivers excluded from labour section - cost included along with the equipment, machine and vehicle hourly rate.	
6	QA/ QC Inspectors	
6.1	Welding Inspector	
6.2	Paint / Coat inspector	
6.3	Civil Inspector	
6.4	Electrical / Instrumentation Inspector	
7	Safety & Security	
7.1	Doctor	
7.2	Paramedic (internationally qualified)	
7.3	Nurse	
7.4	First Aider	
7.5	Security Officer	
7.6	Security Team Leader	
7.7	Security - Armed Guard)	
7.8	Watchman	

2 CONSTRUCTION EQUIPMENT		
Equipment/Machine Operators and Vehicel Drivers personnel cost included with equipment, machine and vehicle hourly rates.		
ITEM	DESCRIPTION	Rate per Hour [EUR]
		Site
8	Track Loaders	
8.1	Track Loader up to 150 kW	
8.2	Track Loader between 150 to 300 kW	
8.3	Track Loader exceeding 300 kW	
9	Wheel Loaders	
9.1	Wheel Loader up to 150 kW	
9.2	Wheel Loader between 150 to 300 kW	
10	Track Dozers	
10.1	Track Dozer up to 150 kW	
10.2	Track Dozer between 150 to 300 kW	
10.3	Track Dozer exceeding 300 kW	
11	Grubbers for Field Cultivation	
11.1	Grubber, Penetration min. 30 cm; Inclusive Tractor	
11.2	Grubber, Penetration min. 70 cm; Inclusive Tractor	
12	Sideboom Pipelayers, Bending Machines	
12.1	Sideboom Pipelayer up to 150 kW	
12.2	Sideboom Pipelayer between 150 to 300 kW	
12.3	Sideboom Pipelayer exceeding 300 kW	
12.4	Pipe Bending Machine 56"	
13	Tractors	
13.1	Tractor up to 110 kW	
13.2	Tractor between 110 to 250 kW	
13.3	Tractor exceeding 250 kW	
14	Hydraulic Track Excavators	
14.1	Track Excavator up to 50 kW	
14.2	Track Excavator between 50 to 100 kW	
14.3	Track Excavator between 100 to 150 kW	
14.4	Track Excavator between 150 to 250 kW	
14.5	Track Excavator exceeding 250 kW	
14.6	Cable dredger min. 1000 Litre Bucket	
15	Wheel Excavators	
15.1	Wheel Excavator up to 50 kW	
15.2	Wheel Excavator between 50 to 100 kW	
15.3	Wheel Excavator between 100 to 150 kW	
15.4	Wheel Excavator between 150 to 250 kW	
15.5	Wheel Excavator exceeding 250 kW	
16	Trucks	
16.1	Truck up to 60 kN	
16.2	Truck between 60 to 100 kN	
16.3	Truck between 100 to 200 kN	
16.4	Truck exceeding 200 kN	
16.5	Tractor Truck	
16.6	Flatbed Truck up to 120 kN	
16.7	Flatbed Truck up to 240 kN	
16.8	Flat Bed Truck with Auto Crane	
16.9	Low Bed Truck Suitable for Sideboom Transport	
16.10	Unimog With Crane	

2 CONSTRUCTION EQUIPMENT		
Equipment/Machine Operators and Vehicel Drivers personnel cost included with equipment, machine and vehicle hourly rates.		
ITEM	DESCRIPTION	Rate per Hour [EUR]
16.11	Tipper Truck up to 100 kN	
16.12	Tipper Truck between 100 to 200 kN	
16.13	Tipper Truck exceeding 200 kN	
16.14	Low Bed Trailer 35T with Primer	
16.15	Low Bed Trailer 50T with Primer	
16.16	2T Oilfield Truck	
16.17	Forklift Truck 3T	
16.18	Fuel/Lubrication Truck	
16.19	Water Bowser 6000 Litres	
17	Passenger Cars	
17.1	Transporter With Closed Loading Platform Inclusive Driver	
17.2	Transporter With Open Loading Platform Inclusive Driver	
17.3	Passenger Bus 8 Seater	
17.4	Passenger Bus 32 Seater Inclusive Driver	
17.5	Passenger Bus 60 Seater Inclusive Driver	
17.6	Passenger Street Car (Diesel)	
17.7	Passenger Site Car 4 Wheel Drive (Diesel)	
17.8	Passenger Pickup Inclusive Driver (Diesel)	
18	Compressors	
18.1	Compressor up to 10.0 m3/min; Inclusive Compressed Air Tools	
18.2	Compressor between 10.0 and 20.0 m3/min; Inclusive Compressed Air Tools	
18.3	Compressor exceeding 20.0 m3/min; Inclusive Compressed Air Tools	
19	Pumps (complete pumping set)	
19.1	Pump up to 10 kW	
19.2	Pump between 10 and 50 kW	
19.3	Pump between 50 and 100 kW	
19.4	Pump between 100 and 150 kW	
19.5	Pump between 150 and 200 kW	
19.6	Pump exceeding 200 kW	
20	Power Generators	
20.1	Generator up to 10 kW	
20.2	Generator between 10 and 50 kW	
20.3	Generator exceeding 50 kW	
21	Welding Sets	
21.1	Oxyacetylene Welding Equipment	
21.2	TIG Welding rig	
21.3	Welding set between 300 to 500 Amp	
21.4	Pay Welder 2 Holder	
21.5	Pay Welder 4 Holder	
22	Pile Drivers	
22.1	Pile Driver up to 400 kW	
22.2	Pile Driver exceeding 400 kW	
23	Cranes	
23.1	Truck With Crane (Hydraulic Arm)	
23.2	Hydraulic Crane up to 50 t	

2 CONSTRUCTION EQUIPMENT		
Equipment/Machine Operators and Vehicel Drivers personnel cost included with equipment, machine and vehicle hourly rates.		
ITEM	DESCRIPTION	Rate per Hour [EUR]
23.3	Hydraulic Crane between 50t and 100 t	
23.4	Hydraulic Crane between 100 t and 150 t	
23.5	Hydraulic Crane exceeding 150 t	
23.6	Crawler Crane up to 100 t	
23.7	Crawler Crane exceeding 100 t	
24	Scraper	
24.1	Track Loader up to 150 kW	
24.2	Track Loader between 150 to 300 kW	
24.3	Track Loader exceeding 300 kW	
25	Other	
25.1	Padding Machine for 56" pipeline trench	
25.2	Padding Bucket	
25.3	Grinding Machine 56"	
25.4	Trenching Machine Trencor or equ. for 56" pipeline	
25.5	Thurst Boring Machine 80"-88"	
25.6	Thurst Boring Machine 6"	
25.7	50 - 300mm Tapester	
25.8	Cutting / Burning Gear	
25.9	20,000 Litre Water Tank	
25.10	Airless Paint Set with 2 guns and Hoses	
25.11	Grit Blasting Equipment Set	
25.12	Jack Hammer	
25.13	50T Hydraulic Jack	
25.14	Wheel Roller Compactor	
25.15	Soil Roller Compactor	
25.16	Trench Roller Compactor	
25.17	Plate Compactor < 10psi	
25.18	Plate Compactor > 10psi	
25.19	Hand Tamper/Rammer Compactor < 10psi	
25.20	Hand Tamper Compactor/Rammer > 10psi	
25.21	Rock Drill	
25.22	Mobile screen plant (80 m ³ /Hr)	
25.23	Welding Head "Passo"	
25.24	Induction Heating Set	
25.25	Pneumatic Internal Clamp 56"	
25.26	Pneumatic Internal Clamp 36"	
25.27	Mechanic External Clamp 56"	
25.28	Internal X-ray apparatus	
25.29	External X-ray apparatus	
25.30	Mobile X-ray	
25.31	Mechanised UT Equipment	
25.32	Concrete Mixer Truck 5/7 m ³	
Item	Description	Percentage Reduction (%)
26	Standby Percentage Reduction in Time Rates	