

# **Recommended Rates**

## **CLASS A: GENERAL ITEMS**

**RATES FOR PIPE LAYING OF HDPE/uPVC/DI PIPES,  
FITTINGS, VAVLES, SPECIALS AND ACCESSORIES**

**1.0 CLASS A: GENERAL ITEMS**

(Conjunction with Specification, Pricing Preamble, Type Drawing and other relevant sections affect to pricing)

**1.1 Engineer's Office**

Code	Description	CESMM3 Code	A
			LKR /month
1.1.1	Establishment, maintenance and removal of project office for the Engineer's staff as specified in General Conditions.	A 211	*
1.1.2	Establishment, maintenance and removal of mobile office for the Engineer's staff as specified in General Conditions.	A 211	*

**1.2 Transport Facilities**

Code	Description	CESMM3 Code	A
			LKR /month
1.2.1	Hiring vehicle minimum 5 seater passenger van with dual AC as specified in the Contract Data. (for 2500km) as specified in General Conditions.	A 221	*
1.2.2	Hiring vehicle crew cab (with AC) as specified in the Contract Data. (for 2500km) as specified in General Conditions.	A 221	*

Code	Description	CESMM3 Code	A
			LKR /km
1.2.3	Hiring Vehicle minimum 5 seater passenger van with dual AC (Code 1.2.1) Additional distance exceeding 2500km as specified in General Conditions.	A 221	*
1.2.4	Hiring vehicle crew cab (Code 1.2.2) Additional distance exceeding 2500km as specified in General Conditions.	A 221	*

Code	Description	CESMM3 Code	A
			LKR /hr.
1.2.5	Hiring Vehicle minimum 5 seater passenger van with dual AC (Code1.2.1) Over time payment for driver as specified in General Conditions.	A 221	*
1.2.6	Hiring vehicle crew cab (Code1.2.2) Over time payment for driver as specified in General Conditions.	A 221	*

**1.2 Transport Facilities**

Code	Description	CESMM3 Code	A
			LKR /km
1.2.7	Transporting materials issued by the Employer where transporting distance exceeds 25km from the Employer's Stores to the Site.	A 900	*

**1.3 As-built Drawings**

Code	Description	CESMM3 Code	A
			LKR /km
1.3.1	Providing as-built drawings as stated in the bidding document as specified in General Conditions.	A 290	3,000.00

**1.4 Surveying**

Code	Description	CESMM3 Code	A
			LKR /km
1.4.1	Surveying and preparation of detailed survey plan (Flat plan) and longitudinal sections of pipe traces etc. as specified. Both flat plans and the longitudinal plans shall be marked junction nodes with GPS co-ordinates, required bends (11 ¼deg., 22 ½deg.,45deg.,90deg.). details of culverts/bridges etc. as specified and as directed by the Engineer.	A 290	40,500.00

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**1.5 Dayworks - Labour**

Code	Item	Unit	CESMM3 Code	Category 1	Category 2	Category 3
				A	A	A
				Basic price without OH LKR	Basic price without OH LKR	Basic price without OH LKR
1.5.1	Unskilled Labour	day	A 900	1,750.00	1,500.00	1,450.00
1.5.2	Helper	day	A 900	1,750.00	1,500.00	1,450.00
1.5.3	Pipe Layer	day	A 900	2,500.00	1,800.00	1,600.00
1.5.4	Mason	day	A 900	2,500.00	2,300.00	1,800.00
1.5.5	Carpenter and Joiner	day	A 900	2,500.00	2,400.00	1,900.00
1.5.6	Steel Work Erector	day	A 900	2,500.00	2,300.00	1,900.00
1.5.7	Tool Operator	day	A 900	2,500.00	2,100.00	1,600.00
1.5.8	Fitter	day	A 900	2,500.00	2,300.00	1,950.00
1.5.9	Tiller	day	A 900	2,500.00	2,300.00	1,950.00
1.5.10	Plumber	day	A 900	2,500.00	2,300.00	1,900.00
1.5.11	Welder	day	A 900	2,500.00	2,300.00	1,850.00
1.5.12	Painter	day	A 900	2,500.00	2,500.00	1,900.00
1.5.13	Electrician	day	A 900	2,500.00	2,500.00	1,950.00
1.5.14	Mechanic	day	A 900	2,500.00	2,500.00	1,950.00
1.5.15	Bar Bender	day	A 900	2,500.00	2,300.00	1,900.00
1.5.16	Operator (Heavy Machine)	day	A 900	2,500.00	2,500.00	2,000.00

Overhead for Dayworks - labour -15% (Fixed)

**1.6 Dayworks - Material**

Code	Item	Unit	CESMM3 Code	Category 1	Category 2	Category 3
				A	A	A
				Basic price without OH LKR	Basic price without OH LKR	Basic price without OH LKR
1.6.1	Cement, ordinary Portland or equivalent in bags	kg	A 900	23.00	23.00	23.00
1.6.2	Tor Steel reinforcing bar	kg	A 900	165.00	165.00	165.00
1.6.3	Mild steel	kg	A 900	150.00	150.00	150.00
	<u>Fine aggregate as specified in Clause 1.6.1 of the ICTAD specification (SCA/4/1) for Building Works – Volume 1</u>					
1.6.4	Mined Sand	m <sup>3</sup>	A 900	5,250.00	5,250.00	5,250.00
1.6.5	River Sand	m <sup>3</sup>	A 900	6,310.00	6,310.00	6,310.00
1.6.6	Sea sand (washed)	m <sup>3</sup>	A 900	4,010.00	4,010.00	4,010.00
1.6.7	Quarry Dust	m <sup>3</sup>	A 900	3,410.00	3,410.00	3,410.00
	<u>Coarse aggregate for concrete as specified in Clause 302 of the General Specification for Civil Engineering construction of size;</u>					
1.6.8	½” (Chips)	m <sup>3</sup>	A 900	3,100.00	3,100.00	3,100.00
1.6.9	¾”	m <sup>3</sup>	A 900	3,200.00	3,200.00	3,200.00
1.6.10	1”	m <sup>3</sup>	A 900	3,000.00	3,000.00	3,000.00
1.6.11	1½”	m <sup>3</sup>	A 900	2,800.00	2,800.00	2,800.00
1.6.12	2”	m <sup>3</sup>	A 900	2,500.00	2,500.00	2,500.00
1.6.13	Shuttering planks( ¾”)	m <sup>2</sup>	A 900	1,200.00	1,200.00	1,200.00
1.6.14	Bricks Standard size	nr	A 900	15.00	15.00	15.00
1.6.15	Rubble - 9” x 6”	m <sup>3</sup>	A 900	2,300.00	2,300.00	2,300.00
1.6.16	Rubble - 6” x 4”	m <sup>3</sup>	A 900	2,300.00	2,300.00	2,300.00

Overhead for Dayworks - material -6% (Fixed)

**PIPE LAYING OF HDPE/uPVC/DI PIPES,  
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**1.0 CLASS A: GENERAL ITEMS**

(Conjunction with Specification, Pricing Preamble, Type Drawing and other relevant sections affect to pricing)

**1.7 Dayworks - Equipment**

Code	Item	Capacity	Unit	CESMM3 Code	Category 1	Category 2	Category 3
					A	A	A
					Basic price without OH LKR	Basic price without OH LKR	Basic price without OH LKR
1.7.1	Air Compressor (including tools breakers etc:)	1000 CFM	hr	A 900	3,650.00	3,650.00	3,650.00
1.7.2	Air Compressor (including tools breakers etc:)	500 CFM	hr	A 900	3,500.00	3,500.00	3,500.00
1.7.3	Air Compressor (including tools breakers etc:)	300 CFM	hr	A 900	1,600.00	1,600.00	1,600.00
1.7.4	Air Compressor (including tools breakers etc:)	200 CFM	hr	A 900	1,500.00	1,500.00	1,500.00
1.7.5	Air Compressor	10 litres	day	A 900	180.00	180.00	180.00
1.7.6	Blower		day	A 900	500.00	500.00	500.00
1.7.7	Angle Grinder (6", 4") – Electrical		day	A 900	240.00	240.00	240.00
1.7.8	Angle Grinder (7") - Electrical		day	A 900	570.00	570.00	570.00
1.7.9	Asphalt cutter		hr	A 900	1,280.00	1,280.00	1,280.00
1.7.10	Breaker Machine (70kg) - Electric		day	A 900	3,500.00	3,500.00	3,500.00
1.7.11	Breaker Machine - Air (not included compressure)		day	A 900	4,990.00	4,990.00	4,990.00
1.7.12	Grinder (large) - Electrical		day	A 900	500.00	500.00	500.00
1.7.13	Grinder (medium) - Electrical		day	A 900	300.00	300.00	300.00
1.7.14	Hand Rammers	60kg	day	A 900	880.00	880.00	880.00
1.7.15	Plate Compactor Mechanical	90kg	day	A 900	3,990.00	3,990.00	3,990.00
1.7.16	Pneumatic Roller	8 - 10 t	hr	A 900	2,500.00	2,500.00	2,500.00
1.7.17	Pneumatic Roller	10 - 12 t	hr	A 900	3,000.00	3,000.00	3,000.00
1.7.18	Soil compactor -Vibrating Roller (Min.4hrs/day)	01 t	hr	A 900	1,390.00	1,390.00	1,390.00
1.7.19	Soil compactor -Vibrating Roller (Min.4hrs/day)	05 t	hr	A 900	2,340.00	2,340.00	2,340.00

Basic Price should be all inclusive price.

Overhead for Dayworks - Equipment -10% (Fixed)

Code	Item	Capacity	Unit	CESMM3 Code	Category 1	Category 2	Category 3
					A	A	A
					Basic price without OH LKR	Basic price without OH LKR	Basic price without OH LKR
1.7.20	Soil compactor -Vibrating Roller (Min.4hrs/day)	07 t	hr	A 900	3,100.00	3,100.00	3,100.00
1.7.21	Soil compactor -Vibrating Roller (Min.4hrs/day)	10 t	hr	A 900	3,345.00	3,345.00	3,345.00
1.7.22	Soil compactor -Vibrating Roller (Min.4hrs/day)	20 t	hr	A 900	4,400.00	4,400.00	4,400.00
1.7.23	Soil compactor -Vibrating Roller (Min.4hrs/day)	26 t	hr	A 900	4,900.00	4,900.00	4,900.00
1.7.24	Concrete mixer complete with scales etc.	0.25m <sup>3</sup>	hr	A 900	600.00	600.00	600.00
1.7.25	Concrete mixer complete with scales etc.	0.5m <sup>3</sup>	hr	A 900	800.00	800.00	800.00
1.7.26	Porker vibrator (Electric)	25mm dia.	day	A 900	1,500.00	1,500.00	1,500.00
1.7.27	Porker vibrator (Electric)	32mm dia.	day	A 900	1,670.00	1,670.00	1,670.00
1.7.28	Porker vibrator (with engine)	25mm dia.	day	A 900	3,330.00	3,330.00	3,330.00
1.7.29	Porker vibrator (with engine)	32mm dia.	day	A 900	3,550.00	3,550.00	3,550.00
1.7.30	Porker vibrator (with engine)	38mm dia.	day	A 900	3,880.00	3,880.00	3,880.00
1.7.31	Backhoe loader	0.10m <sup>3</sup>	hr	A 900	1,980.00	1,980.00	1,980.00
1.7.32	Backhoe loader	0.25m <sup>3</sup>	hr	A 900	2,470.00	2,470.00	2,470.00
1.7.33	Bob Cat (Min.4hrs/day)		day	A 900	2,550.00	2,550.00	2,550.00
1.7.34	Bulldozer (Crawler Tractor) (Min.4hrs/day)	85 hp	hr	A 900	3,800.00	3,800.00	3,800.00
1.7.35	Bulldozer (Crawler Tractor) (Min.4hrs/day)	120 hp	hr	A 900	4,680.00	4,680.00	4,680.00
1.7.36	Excavator (Long Arm)	0.4m <sup>3</sup>	hr	A 900	3,910.00	3,910.00	3,910.00
1.7.37	Excavator (Long Arm)	0.5m <sup>3</sup>	hr	A 900	5,020.00	5,020.00	5,020.00
1.7.38	Excavator (Long Arm)	0.9m <sup>3</sup>	hr	A 900	8,340.00	8,340.00	8,340.00

Basic Price should be all inclusive price.

Overhead for Dayworks - Equipment -10% (Fixed)

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**1.7 Dayworks - Equipment**

Code	Item	Capacity	Unit	CESMM3 Code	Category 1	Category 2	Category 3
					A	A	A
					Basic price without OH LKR	Basic price without OH LKR	Basic price without OH LKR
1.7.39	Excavator	0.18m <sup>3</sup>	hr	A 900	2,240.00	2,240.00	2,240.00
1.7.40	Excavator	0.35m <sup>3</sup>	hr	A 900	2,450.00	2,450.00	2,450.00
1.7.41	Excavator	0.45m <sup>3</sup>	hr	A 900	2,650.00	2,650.00	2,650.00
1.7.42	Excavator	0.7m <sup>3</sup>	hr	A 900	3,400.00	3,400.00	3,400.00
1.7.43	Excavator	0.9m <sup>3</sup>	hr	A 900	3,820.00	3,820.00	3,820.00
1.7.44	Excavator with backhoe	130hp	hr	A 900	4,640.00	4,640.00	4,640.00
1.7.45	Motar Grader	3.1 m	hr	A 900	3,710.00	3,710.00	3,710.00
1.7.46	Motar Grader	4.2 m	hr	A 900	5,500.00	5,500.00	5,500.00
1.7.47	Wheel Loader	0.1m <sup>3</sup>	hr	A 900	1,950.00	1,950.00	1,950.00
1.7.48	Wheel Loader	1.4m <sup>3</sup>	hr	A 900	2,250.00	2,250.00	2,250.00
1.7.49	Wheel Loader	2.0m <sup>3</sup>	hr	A 900	2,750.00	2,750.00	2,750.00
1.7.50	Chain Block 5T		day	A 900	660.00	660.00	660.00
1.7.51	Hoist Machine (300/500kg)		km	A 900	8,340.00	8,340.00	8,340.00
1.7.52	Crane Truck (80 km/day) crane charge Rs.2500/hrs	5t	km	A 900	220.00	220.00	220.00
1.7.53	Crane Truck (80 km/day) crane charge Rs.2500/hrs	17t	km	A 900	280.00	280.00	280.00
1.7.54	Crane Truck (80 km/day) crane charge Rs.2500/hrs	20t	km	A 900	320.00	320.00	320.00

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Overhead for Dayworks - Equipment -10% (Fixed)

Code	Item	Capacity	Unit	CESMM3 Code	Category 1	Category 2	Category 3
					A	A	A
					Basic price without OH LKR	Basic price without OH LKR	Basic price without OH LKR
1.7.55	Crawler Crane	35 t	hr	A 900	4,770.00	4,770.00	4,770.00
1.7.56	Crawler Crane	50 t	hr	A 900	6,325.00	6,325.00	6,325.00
1.7.57	Fork lift (Min.4hrs/day)	3 t	hr	A 900	1,650.00	1,650.00	1,650.00
1.7.58	Fork lift (Min.4hrs/day)	5 t	hr	A 900	2,200.00	2,200.00	2,200.00
1.7.59	Hydraulic Crane	20 t	hr	A 900	6,090.00	6,090.00	6,090.00
1.7.60	Hydraulic Crane	15t	hr	A 900	7,990.00	7,990.00	7,990.00
1.7.61	Welding Generator	16KVA	day	A 900	800.00	800.00	800.00
1.7.62	Welding Plant (3 phase)	3-Phase 400A	day	A 900	650.00	650.00	650.00
1.7.63	Jig Saw		day	A 900	420.00	420.00	420.00
1.7.64	Generating set (with fuel )	25kVA	hr	A 900	2,325.00	2,325.00	2,325.00
1.7.65	Generating set (with fuel )	50kVA	hr	A 900	2,800.00	2,800.00	2,800.00
1.7.66	Generating set (with fuel )	45kVA	hr	A 900	3,050.00	3,050.00	3,050.00
1.7.67	Generating set (with fuel )	125kVA	hr	A 900	5,200.00	5,200.00	5,200.00
1.7.68	Pressure Pump (Electric domestic type-with operator)		day	A 900	1,250.00	1,250.00	1,250.00
1.7.69	Sludge pump 4" dia. (with fuel & without operator)		hr	A 900	1,100.00	1,100.00	1,100.00
1.7.70	Water Pump 2" dia.(Electrical - without operator)		day	A 900	1,200.00	1,200.00	1,200.00

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**1.7 Dayworks - Equipment**

Code	Item	Capacity	Unit	CESMM3 Code	Category 1	Category 2	Category 3
					A	A	A
					Basic price without OH LKR	Basic price without OH LKR	Basic price without OH LKR
1.7.71	Water Pump 2" dia.(with fuel & without operator)		hr	A 900	500.00	500.00	500.00
1.7.72	Water Pump 4" dia. (with fuel & without operator)		hr	A 900	1,160.00	1,160.00	1,160.00
1.7.73	Butt fusion Machine (Semi/Auto) with all necessary equipment - Electrical		month	A 900	26,000.00	26,000.00	26,000.00
1.7.74	Baby Dumper		day	A 900	5,040.00	5,040.00	5,040.00
1.7.75	Crew cab (with driver & fuel)		km	A 900	90.00	90.00	90.00
1.7.76	Double cab (with driver & fuel)		km	A 900	80.00	80.00	80.00
1.7.77	Lorry (80 km/day)	12t	km	A 900	280.00	280.00	280.00
1.7.78	Low loader truck	30 - 40 km	km	A 900	360.00	360.00	360.00
1.7.79	Ordinary truck (100 km/day)	6 t	day	A 900	8,870.00	8,870.00	8,870.00
1.7.80	Ordinary truck (100 km/day)	12 t	day	A 900	11,710.00	11,710.00	11,710.00
1.7.81	Tractor with Tailor	0.75cu	day	A 900	6,130.00	6,130.00	6,130.00
1.7.82	Truck with Boom	3 t	day	A 900	12,900.00	12,900.00	12,900.00
1.7.83	Truck with Boom	3.5 t	day	A 900	14,000.00	14,000.00	14,000.00
1.7.84	Truck with Boom	4 t	day	A 900	17,300.00	17,300.00	17,300.00
1.7.85	Truck with tipper	10t/5cu	km	A 900	240.00	240.00	240.00
1.7.86	Van (15 Sheet) or similar utility Vehicle		km	A 900	80.00	80.00	80.00
1.7.87	Water Bowser (80 km/day)	7000lts.	km	A 900	190.00	190.00	190.00

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