



# Approach to Pricing of Resource Schedule for Building & Civil Engineering Projects

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At the

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Inclusive Development of the construction Industry**

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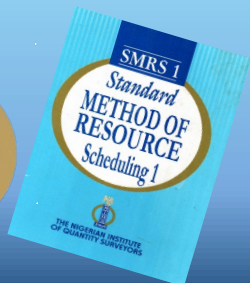
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# Resource and Resource Schedule

Resources are assets- materials, labour, equipment, capital etc. used to accomplish a project objectives.



Resource Schedule is the lists of all assets, their rate of combination, and costs projection necessary to accomplish a project from start to end.

# Sample of Resource Schedule

ITEM	BILL REF	WORK SECTION/DESCRIPTION	EMPLOYER'S RESPONSIBILITY				CONTRACTOR'S RESPONSIBILITY		
			MATERIALS	QTY	UNIT	PRICE	AMOUNT	Method Statement/ Charge	AMOUNT
		<b>1.11: INSITU CONCRETE WORKS</b>							
		<b>Grade 20 Concrete</b>					<b>1 Day</b>		
D	1.1.2/1	Mass Concrete; 250mm thick; In trench filling; Poured on or against earth or unblinded hard core (34 m3)	Cement	154	bag	3,000	462,000.00	2 gang @ 15,000	30,000.00
			Sharp Sand	1.28	trip	27,000	34,560.00	1 Conc mixer @ 30,000	30,000.00
			Granite	1.82	trip	185,000	336,700.00	1 Vibrator @ 5000	5,000.00
			Water	2670	litre	5	13,350.00	2 Barrow @ 500	1,000.00
							<b>1 Day</b>		
E	1.1.3/1	Mass Concrete; 150mm thick; In steps; Poured on or against earth or unblinded hard core (1 m3)	Cement	5	bag	3,000	15,000.00	2 Lab @ 2,500	5,000.00
			Sharp Sand	0.04	trip	27,000	1,080.00	1 Conc mixer @ 30,000	30,000.00
			Granite	0.05	trip	185,000	9,250.00	1 Vibrator @ 5000	5,000.00
			Water	79	litre	5	395.00	1 Barrow @ 500	500.00
							<b>1 Day</b>		
		<b>Weak Concrete (1:10 - graded sub- base)</b>					<b>1 Day</b>		
F	2.1.1/1	Horizontal Work; less or equal to 300 thick; 50mm thickness in blinding; poured on or against earth or unblinded hard core (11 m3)	Cement	31	bag	3,000	93,000.00	1 gang @ 15,000	15,000.00
			Sharp Sand	0.52	trip	27,000	14,040.00	1 Conc mixer @ 30,000	30,000.00
			Granite	0.55	trip	185,000	101,750.00	1 Vibrator @ 5000	5,000.00
			Water	540	litre	5	2,700.00	2 Barrow @ 500	1,000.00

# The Method Statement and Charge

- Labour Cost
- Equipment/ Plant cost
- Miscellaneous
- Profit and Overhead



# Conclusion

- Adequate understanding of construction resources are vital to accurate pricing of building and civil engineering projects.
- Material cost includes wastages, shrinkage, bulkage, etc.
- Equipment cost includes operating cost, maintenance & repair
- Labour cost



# Appreciation

Thanks for your wonderful patience and attention throughout this time, I will now wait for your questions if any.

