

CT 2020/99

Contracts Circular N° 54/99
Department of Contracts
Notre Dame Ravelin
Floriana

To Heads of Department
and Parastatal Bodies

6th September 1999

**READY MIX CONCRETE FOR GENERAL AND MARITIME USE
GOZO DISTRICT (5th June 1999 - 31st December 2000)**

1. Heads of Department and Accounting Officers are hereby informed that the contract for the supply and delivery of Ready Mixed Concrete for General and Maritime use in any site in Gozo, when and as directed, all charges paid, has been awarded to the following contractors at the prices shown on the attached Schedules A,B,C and D. Prices are inclusive of all charges and taxes including 15% VAT.

M/S Rotciv Ltd; Janpet Ltd and S.Camilleri & Sons Ltd
c/o 5 Triq Ghonqa
Xaghra - Gozo

Tel: 559999

Payments to the above contractors are to be made through:

Mid Med Bank
Victoria
Gozo

quoting Bank Guarantee No: 40/94.

2. This contract shall run up to the 31st December 2000.

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3. Heads of Department and Accounting Officer are to ensure that the concrete supplied conforms with the attached specifications and “Design Mixes.” In this regard, samples from consignments received should be periodically submitted to the Quality Control Section of the Works Department.
4. A copy of the specifications and conditions regulating this contract is attached.
5. This contract is also governed by the attached “General Conditions of Contract for the Supply of Goods and Materials under a Running Period Contract.”

J V Spiteri
Director of Contracts

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STRUCTURAL CONCRETE MIX SCHEDULE 'A'

MIX DESCRIPTION			Item 1	Item 2	Item 3	Item 4	Item 5
			REINFORCED CONCRETE				
Type of Mix			Designed	Designed	Designed	Designed	Designed
Type of Cement		To B.S.	12 (OP)	12 (OP)	12 (OP)	12 (OP)	12 (OP)
Type of Aggregate	Coarse	To B.S.	882, 1201	882, 1201	882, 1201	882, 1201	882, 1201
	Fine	To B.S.	882, 1201	882, 1201	882, 1201	882, 1201	882, 1201
Nominal Maximum Aggregate Size (mm)			20	20	20	20	20
Concrete Grade			C20	C25	C30	C35	C40
Minimum Cement Content		kg/m ³	240	260	275	300	325
Sampling Rate		#/m ³	20	20	20	20	20
Workability	Slump	mm	40-70	40-70	40-70	40-70	40-70
	Flow	mm					
Maximum Free Water / Cement Ratio			0.8	0.7	0.65	0.6	0.55
Admixtures	Prohibited		Yes	Yes	Yes	Yes	Yes
	Specified						
Density of Concrete	Minimum	kg/m ³	2250	2250	2250	2250	2250

Mix Cement Content	kg/m ³	268	298	337	361	385
Mix Fine Aggregate	kg/m ³	648	640	620	600	600
Mix Coarse Aggregate	kg/m ³	1101	1110	1110	1110	1100
Water Content	l/m ³	211	208	216	213	208
Admixtures	l/m ³					
Rate	Lm/m ³	23.55	23.75	24.70	25.00	25.08

Four cubes per sample: 2 tested at 7 days and 2 tested at 28 days
 N/A Not Applicable

- (a) Superplasticiser
- (b) Accelerating
- (c) Retarding
- (d) Water-Reducing
- (e) Air-entraining

STRUCTURAL CONCRETE MIX SCHEDULE 'B'

MIX DESCRIPTION			Item 1	Item 2	Item 3
Type of Mix			Designed	Designed	Designed
Type of Cement		To B.S.	12 (OP)	12 (OP)	12 (OP)
Type of Aggregate	Coarse	To B.S.	882, 1201	882, 1201	882, 1201
	Fine	To B.S.	882, 1201	882, 1201	882, 1201
Nominal Maximum Aggregate Size (mm)			20	20	20
Concrete Grade			C30	C35	C40
Minimum Cement Content		kg/m ³	275	300	325
Sampling Rate		#/m ³	20	20	20
Workability	Slump	mm			
	Flow	mm	510-620	510-620	510-620
Maximum Free Water / Cement Ratio			0.65	0.6	0.5
Admixtures	Prohibited		No	No	No
	Specified		(a)	(a)	(a)
Density of Concrete	Minimum	kg/m ³	2250	2250	2250

Mix Cement Content	kg/m ³	305	329	360
Mix Fine Aggregate	kg/m ³	700	680	660
Mix Coarse Aggregate	kg/m ³	989	989	989
Water Content	l/m ³	182	186	172
Admixtures	l/m ³	3	3	3.6
Rate	Lm/m ³	24.43	26.07	26.23

Four cubes per sample: 2 tested at 7 days and 2 tested at 28 days
 N/A Not Applicable

- (a) Superplasticiser
- (b) Accelerating
- (c) Retarding
- (d) Water-Reducing
- (e) Air-entraining

STRUCTURAL CONCRETE MIX SCHEDULE 'C'

Item 1 Item 2 Item 3

MIX DESCRIPTION			MASS CONCRETE		
Type of Mix			Designed	Designed	Designed
Type of Cement		To B.S.	12 (OP)	12 (OP)	12 (OP)
Type of Aggregate	Coarse	To B.S.	882, 1201	882, 1201	882, 1201
	Fine	To B.S.	882, 1201	882, 1201	882, 1201
Nominal Maximum Aggregate Size (mm)			40	20	40
Concrete Grade			C15	C20	C20
Minimum Cement Content		kg/m ³	175	180	150
Sampling Rate		#/m ³	100	100	100
Workability	Slump	mm	40-70	40-70	40-70
Maximum Free Water / Cement Ratio			0.7	0.6	0.6
Admixtures	Prohibited		Yes	Yes	Yes
	Specified				
Density of Concrete	Minimum	kg/m ³	2200	2200	2200

Mix Cement Content	kg/m ³	199	268	260
Mix Fine Aggregate	kg/m ³	685	685	690
Mix Coarse Aggregate	kg/m ³	1010	1010	1010
Water Content	l/m ³	170	200	200
Admixtures	l/m ³			
Rate	Lm/m ³	22.11	22.36	22.36

Four cubes per sample: 2 tested at 7 days and 2 tested at 28 days
 N/A Not Applicable

- (a) Superplasticiser
- (b) Accelerating
- (c) Retarding
- (d) Water-Reducing
- (e) Air-entraining

STRUCTURAL CONCRETE MIX SCHEDULE 'D'

MIX DESCRIPTION			Item 1	Item 2	Item 3
			UNDERWATER CONCRETE		
Type of Mix			Designed	Designed	Designed
Type of Cement		To B.S.	12 (OP)	12 (OP)	12 (OP)
Type of Aggregate	Coarse	To B.S.	882, 1201	882, 1201	882, 1201
	Fine	To B.S.	882, 1201	882, 1201	882, 1201
Nominal Maximum Aggregate Size (mm)			40	40	20
Concrete Grade			C20	C20	C25
Minimum Cement Content		kg/m ³	350	350	350
Sampling Rate		#/m ³	100	100	100
Workability	Slump	mm	125	125	
	Flow	mm			510-620
Maximum Free Water / Cement Ratio					
Admixtures	Prohibited		Yes	Yes	No
	Specified				(d)
Density of Concrete	Minimum	kg/m ³	2300	2300	2300

Mix Cement Content	kg/m ³	385	395	400
Mix Fine Aggregate	kg/m ³	600	590	515
Mix Coarse Aggregate	kg/m ³	1100	1010	895
Water Content	l/m ³	180	180	180
Admixtures	l/m ³			3
Rate	Lm/m ³	24.30	25.34	27.19

Four cubes per sample: 2 tested at 7 days and 2 tested at 28 days
 N/A Not Applicable

- (a) Superplasticiser
- (b) Accelerating
- (c) Retarding
- (d) Water-Reducing
- (e) Air-entraining