



SCHEDULE - PROBES

item	symbol	description	req'd
1	Hi	Cement silo	3
2	Lo	" "	3
3	Hi	Sand "	3
4	Lo	" "	3
5	Hi	Cement slurry mixer	3
6	Hi	Sand/cement slurry mixer	3

FLOW LEGEND

UNITS	OPERATING min.	max.	wash down
t/h.	85.5	171	-
l/s.	12.2	24.4	33.0

SCHEDULE

item	mk.no.	symbol	description	req'd
a		KG. V.	6 knifegate valve, de zurik series 'C'	3
b	re.table	R. V.	6 Red valve type 'A'	3
c		S. V.	Electro-pneumatic butterfly vlv.	12
d		I. V.	Isolating valve 'gate type'	15
e		CONTR.	Control valve 'butterfly & ball'	3
f		METER	Water-meter Fischer & Porter	3
g		P1	1 1/2" Pump Kelly & Lewis M.70	1
h		P2	" " " " " "	1
i		P3	" " " " " "	1
j		SCREW	8 Dia. variable speed	3
k		CEMENT	Slurry mixer 0.5 M <sup>3</sup>	3
l		SAND	" " " " 0.8 M <sup>3</sup>	3
m		METER	4 Fischer & Porter (magnetic type)	1
n		METER	4 Kay-Ray Nucleonic type	1
o		B.V.	8 Butterfly valve, de zurik (manual)	3
p		B.V.P.	" " " " (pneumatic)	3
q		"	6 " " " "	1
r		N.R.V.	Non-return valve	3

- NOTES:
1. CEMENT CONTENT ASSUMED AT 8% OF SAND CONTENT, 40% OF CEMENT SLURRY.
  2. SOLIDS CONTENT 70% OF FINAL SLURRY.
  3. INITIAL MOISTURE CONTENT OF SAND IN SILOS ASSUMED AT 15%.
  4. SLURRY DENSITY 1.95 T/M<sup>3</sup>.
  5. SPLIT OF FLOW FROM P3 BETWEEN SAND SILO & SAND-CEMENT SLURRY MIXER DEPENDS ON OPERATING CONDITIONS.
  6. OPERATING COMBINATIONS:

CEM SILO*	SAND SILO*
1	4
2	5
3	6

VALVE SIZE TABLE

item	mark no.	size φ
c	1/1 1/2 1/3	50
c	2/4 2/5 2/6	75
c	3/4 3/5 3/6	75
c	4/4 4/5 4/6	50
c	5	75
e	6 Butterfly	50
e	7 Ball	25
e	8 "	25
b	9/4 9/5 9/6	150
a	10/4 10/5 10/6	150
p	11/1 11/2 11/3	200
q	12	150
c	13	75

85.5	171	-
12.2	24.4	33.0

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# ASHCON

EQUIPMENT PTY. LTD.

SCALE	N.T.S.
DATE	MAY '81
CHECKED	
APPROVED	

SCHMATIC PIPING DIAGRAM TO SUIT SLURRY MIXERS FOR KING ISLAND SCHEELITE

21-5-81 REVISION A

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