

# 4 S.I.P(PHC) D= 500 M/M/M	4,142	8,390	10,143	22,675	#.4
- : EARTH AUGER P.H.C					
- : (60TON)					
EARTH AUGER (150HP)					
(350KW-)					
(100KW-)					
(5TON)					
(0.2M3-)					
()					
GROUTING PUMP (3.7KW)					
GROUTING MIXER (2.0KW)					
- N					
(20) : S1 = 000.000 M					
(20-40) : S2 = 2371.390 M					
(40-50) : S3 = 000.000 M					
(50) : S4 = 2097.410 M					
%%					
() : SS = 4468.800 <M>					
N = 274					
() : LL = 16.309 <M>					
() : SS1 = 685.000 <M>					
() : LL1 = 2.500 <M> , (-) : D = 0.500 <M>					
(1) :					
TE = (0.5 * S1 + 0.8 * S2+1.23* S3 +2.0* S4) / N = 22					
(1) : TB = 1.0 <MIN/ >					
(1) : TG = 4.0 <MIN/ >					
(1) : TW = 21 <MIN/ >					
(1) : TS = 10 + 5 *Nw = 10 <MIN/ >					
(1) : TC = TE + TB + TG + TW + TS = 58.23 <MIN					
() : Q = 60 / TC * (LL+LL1) = 19.38 <M/HR>					
1) 가.					
(1) (50TON) : [E05071]					
EQK1 = 56,370 / Q = 2,908.6			2,908.6	2,908.6	E05071
LAL1 = 23,799 / Q = 1,228.0				1,228	E05071
MAJ1 = 9,093.12 / Q = 469.2	469.2	1,228		469.2	E05071
(2) Earth Auger(150TON) :					
- 가					
F.O.B A = 9,000,000 * 1,071.92 / 100 = 96,472,800.00					GK10002
B = A * 0.0228 = 2,199,579.84					
C.I.F C = A + B = 98,672,379.84					
A1 = C * 0.08 = 7,893,790.39					
A2 = A * 0.0015 = 144,709.20					
A3 = A * 0.0026 = 250,829.28					
A4 = A * 0.0015 = 144,709.20					
A5 = A * 0.0023 = 221,887.44					
/ A6 = A * 0.0021 = 202,592.88					
A7 = A * 0.0045 = 434,127.60					
A8 = A * 0.0029 = 279,771.12					
, A9 = A * 0.0018 = 173,651.04					

TOTAL = A1+A2+A3+A4+A5+A6+A7+A8+A9+C = 108,418,447.99					
: TOTAL * 3935*10**-7 / Q = 2,201.3			2,201.3	2,201.3	
(3) (350KW) : [E39082]					
EQK2 = 14,870 / Q = 767.2			767.2	767.2	E39082
LAL2 = 9,994 / Q = 515.6		515.6		515.6	E39082
MAJ2 = 50,012.16 / ((60/TE) * LL) = 1,136.1	1,136.1			1,136.1	E39082
(,)					
A1 = 1 * 57,379 = 57,379.00					L10093
A2 = 2 * 66,149 = 132,298.00					L10020
A3 = 1 * 52,839 = 52,839.00					L10114
A4 = 2 * 34,360 = 68,720.00					L10099
AS = A1 + A2 + A3 + A4 = 311,236.00					
LAL3 = AS / 8 / Q = 2,007.4		2,007.4		2,007.4	
:	1,605.3	3,751	5,877.1	11,233.4	
2.P.H.C					
50TON : [E05071]					

	EQK3 = 56,370 / Q = 2,908.6 LAL3 = 23,799 / Q = 1,228.0 MAJ3 = 9,093.12 / ((60 / (0.3*TC))*LL) = 162.3 :	162.3 162.3	1,228 1,228	2,908.6 2,908.6 1,228 162.3 4,298.9	E05071 E05071 E05071
3.	5TON : [E44037] EQK4 = 32,277 / ((60/TB) * 2.5) = 215.1 LAL4 = 0 / ((60/TB) * 2.5) = 0.0 MAJ4 = 13,025.28 / ((60/TB) * 2.5) = 86.8 :	86.8 86.8		215.1 215.1 215.1	E44037 E44037 E44037
4.	5TON : [E44042] EQK5 = 7,555 / Q = 389.8 LAL5 = 11,792 / Q = 608.4 MAJ5 = 6,013.44 / ((60 / (0.2*TC))*(LL+LL1)) = 62.0 :	62 62	608.4 608.4	389.8 389.8 608.4 62 1,060.2	E44042 E44042 E44042
5.	% SOIL CEMENT () S11 = 1067 = 1,067.00 KG S12 = 640 = 640.00 L S13 = 21 = 21.00 KG AA = (3.14*(0.53-0.50)^2)/4*LL = 0.01 M3/ 가) 1) CEMENT [PB202B0000] : 1.067 KG * 1.03 * AA * 4,500 = 49.4 : 1.067 KG * 1.03 * AA * 49,523 = 544.2 2) : 21 KG * AA * 1,100 = 231.0 : [1/LL]) 1) GROUTING PUMP (3.7KW) : [E30011] EQK6 = 1,065 / Q = 54.9 LAL6 = 9,994 / Q = 515.6 MAJ6 = 378.11 / Q = 19.5 2) GROUTING MIXER (2 K.W) : [E29011] EQK7 = 471 / Q = 24.3 LAL7 = 9,994 / Q = 515.6 MAJ7 = 378.11 / Q = 19.5 3) (100KW) : [E39041] EQK8 = 5,652 / Q = 291.6 LAL8 = 9,994 / Q = 515.6 MAJ8 = 16,220.16 / Q = 836.9 4) (5500L) W = (AA*S12)/LL/1000 = 0.00 M3/M [PB21900000] EQK9 = 454 * W = 0.0 LAL9 = 1,805 * W = 0.0 MAJ9 = 1,122 * W = 0.0 :	544.2 231 47.5		49.4 544.2 231 50.5 3	# 2 # 2 ME2812
		19.5	515.6	54.9 54.9 515.6 19.5	E30011 E30011 E30011
		19.5	515.6	24.3 24.3 515.6 19.5	E29011 E29011 E29011
		836.9	515.6	291.6 291.6 515.6 836.9	E39041 E39041 E39041
		875.9	1,546.8	370.8 2,793.5	# 3 # 3 # 3
6.	(35%) 1M : 3.14*(D+0.03)**2/4 * 0.35 = 0.08 M3/M (0.2M3) : [E03100] EQK10 = 7,350 / Q = 379.2 LAL10 = 19,216 / Q = 991.5 MAJ10 = 2,432 / ((60 / (0.4*TC))*LL) = 57.8 :	57.8 57.8	991.5 991.5	379.2 379.2 57.8 1,428.5	E03100 E03100 E03100
7.	* : 3 : 2 A11 = 1 * 5 * 57,379 = 286,895.00 A22 = 1 * 5 * 66,149 = 330,745.00 A33 = 1 * 5 * 52,839 = 264,195.00 A44 = 2 * 5 * 34,360 = 343,600.00 A55 = 1 * 5 * 27,451 = 137,255.00 LAL11 = (A11 + A22 + A33 + A44 + A55) = 1,362,690.0 : [1/(SS+SS1)]		1,362,690 264.4	1,362,690 264.4	L10093 L10020 L10114 L10099 L20067

<p>8.</p> <p>*</p> <p>19.5%</p> <p>JJ = LAL1+LAL2+LAL3+LAL4+LAL5+LAL6+LAL7+LAL8+LAL9+LAL10+LAL11/(</p> <p>MAJ = JJ * 0.195 = 1,244.6</p> <p>:</p>	<p>1,244.6</p> <p>1,244.6</p> <hr/> <p>4,142</p>	<hr/> <p>8,390</p>	<hr/> <p>10,143</p>	<p>1,244.6</p> <p>1,244.6</p> <hr/> <p>22,675</p>	