Comment to Acceleration Proposal

Good.

Wan Hoi Street, Hung Hom

Accelerati

6.0 Financial Considerations

Contractor pulminium.

6.1. Additional Cost for Acceleration Measures

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- 6.1.1. Given the Employer's desire to attain early BD inspection for Occupation Permit (OP) targeted at the end of November 2001, PYITC and the NSCs will have to incur additional acceleration costs which they are under no obligation to spend under the contract.
- 6.1.2. We estimated that the total additional costs for acceleration is in the order of HK\$21,525,000 comprising HK\$ 15,625,000 (Builder's work) and HK\$5,900,000 (NSC works but subject to final confirmation with NSCs). Any commitment to proceed is condition on the Employer agreeing to reimburse all the acceleration costs in relation thereto.
- 6.1.3. The acceleration costs are calculated as follows: -
- 6.1.3.1. Overtime (ixtra cost for work conviced out at night).

The present labour force will be required to work over extended hours and during the evening. The production rates, however, will fall off seriously if a considerable amount of overtime is executed and will result in loss of productivity.

Remaining Period to target OP Date

 (a) Remaining Original Unextended Period to obtain OP (Master Programme Rev. 2) (From 1/6/2001 to 14/7/2001)

44 days

 (b) Extended remaining working period to obtain OP based on entitlement programme and without acceleration (From 1/6/2001 to 2/4/2002) 306 days

- 1.) Extra Overtime for Labours > + no. of working, to ovortime but loss of efficiency
- 2) Loss of Efficiency
- 3.) Additional Site Management & Supervision Cost
 additional staff
 - Extra overtime for site staff => 20% oT ⇒ payment 1.5 tis
 - Misc. Expense (e.g. travelling, contening)
- 4.) Incentive payment to DSC
- 5.) Additional Mants & temp. Works
- 6) Payment for NSC

Aueleration

n Hoi Street.	Hung Hom	A	cceleration Plan
(c)	Accelerating Period to obtain OP (From 1/6/2001 to 30/11/2001)	n	183 days
(d)	Days accelerated (From 1/12/2001 t 2/4/2002)	0	123 days
(e)	Hours for acceleration (based on 9 workin hours per day), 123 days x 9 hrs/day	g	1107 hours
(f)	Equivalent additional working how required per day (1107 hrs / 183 days)	TS.	6.05 hours
At e	end May 2001, the estimated remaining to	otal of labour cost	for the Main
Con	tract works to completion is calculated as bel	ow: -	
	Items	HK\$	HK\$
/ (a)	Labour Content in Preliminaries (se Annex)	ee	14,236,089.64
/ (b)	Labour content in work items		
	(i) Contract Sum (Hotal)	800,000,000.00	
	(ii) Less PC Sum こ成したNSC	(336,031,000.00)	
	Less Preliminaries	(115,957,606.92)	
		348,011,393.08	-
	Less Gross Valuation of total Work Done end May 2001	to (292,000,000.00)	
		56,011,393.08	-
	Less 15% profit and attendance	(7,305,833.87)	
		48,705,559.21	_
	Labour content say 40%		19,482,223.68
./ (c)	10,000,000.00 x 40% (p) (F) and everthered?).		4,000,000.00
	Total remaining labour cost to completion as of 1 June 2001		5,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
1	Legs		
Lato	ur take of work exped with hi	1 lucreasing	
	i subject to obestimPase 29pipus		(ئے .

Wan Hoi Street. Hung Hom

Acceleration Plan

Total of the coare of work can the occilerated my Turvenseing the two. I want to consider. 25% of the Coare of worker on site we can reduce the total cost of overtime work. The amount of labour content subject to overtime could be reduced by 75% i.e. HK\$37,718,313.32 x 25% = HK\$9,429,578.33.

However, additional overtime cannot be avoided and as a result of committing to overtime working for some of the labours the extra overtime payment (on double time) will be:-

the original cost. (2 (cirilitian) + 1 (alread.

Say HK\$7,580,000,00

1.3.2. Loss of efficiency (2) observase in efficiency whin unitary coertime

With additional labour force on site, the total number of workers will be above optimal level, the overall performance and efficiency will be reduced. The efficiency of labours working within overtime hours will also run short of the optimal. There will be additional costs incurred due to loss in efficiency in the order of at least 10%:

 $$7,580,641.40 \times 10\% = $758,064.14$

Say <u>HK\$758,000.00</u>

6.1.3.3. Additional Site Management and Supervision Cost

The site management staff will have to work overtime in order to cope with the accelerated programme and extra staff will also be required.

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Wan Hoi Street, Hung Hom

Acceleration Plan

The cost of extra staff to cope with acceleration is calculated below: -

l'ellaining period efter acceleration implementat Additional Staff additional cost per worth. Site Management, \$100,000 x 183/30 mths 610,000.00 Foreman-in-Charge (2 nos), 305,000.00 \$25,000 x 183/30 mths x 2 M & E Co-ordinator, 183,000.00 \$30,000 x 183/30 mths

1,098,000,00

Extra overtime for site staff

1.

contract alternance - payment certified.

The balance of total staff cost allowed in Contract as of 1 June 2001 comprises (see

Annex): - exighally the hocice in pretion.

BQ Ref.	BQ Items	HK\$
S1/4/A	Site Management	2,383,910.85
S1/7/A	GCC Clause 8 Foreman-in-Charge	1,556,257.88
S1/17/O	SP clause 11.7 Appointment of M & E Coordinator	853,974.59
	Total remaining site management and supervision staff cost to completion as of 1 June 2001	4.794,143,32

The amount of site management and supervision cost subject to overtime is say 20% i.e. HK\$4,794,143.32 x 20% = HK\$958.828.66

These additional overtime for site management staff cannot be avoided and as a result of committing to acceleration, the additional overtime payment for the them (at time and a half) will be : -

Say HK\$578,000.00

Therefore, the total additional Site Management and supervision cost is : -

HKS Additional Staff 1,098,000.00 好意比较了!! Extra Overtime for site staff 578,000.00 (Miscellaneous allowance for overtime (travelling and catering expenses), \$1,000 x 183 days 183,000.00 1.859,000.00

Incentive payment to the domestic sub-contractors

Incentive payment will have to be made to our domestic subcontractors to ensure that they retain a pool of suitable tradesmen on the project as well as to provide motivation and attract additional workers. 个特别为外籍是我

Items

HK\$

Total remaining labour content for builder's 37,718,313.32 works

Domestic S/C portion (say 60 %)

22,630,987.99

(b) Incentive payment to domestic sub-contractors, say 10% say \$2,263,000,00

6.1.3.5. Additional Plants and Temporary Works

As mentioned in Section 4, extra plants and additional temporary works are required in order to achieve the Employer's expected BD inspection date for Occupation Permit.

The total cost summary for additional plants and temporary works is \$3,165,000.

Detail of the calculation is given in the attached Annex.

6.1.3.6. Acceleration costs for Nominated Sub-Contractors

: excluded in previous calculation

All the Nominated Sub-contractors have <u>not</u> confirmed their respective acceleration costs. At this juncture, we proposed the following sums be included for budgeting purposes: -

	Nominated Sub-Contractors	HK\$
(a)	Schindler (Lift)	1,000,000
(b)	Sundart (Interior Fit-out)	1,500,000
(c)	Young's (MVAC)	900,000
(d)	Newland (Electrical)	1,000,000
(e)	Far East (Curtain Wall)	1,000,000
(f)	Alpha (Split A/C)	500,000
		5,900,000

Negotiation with the NSC must start as soon as possible to enable finalisation of budget and agreement of acceleration arrangement.

6.1.3.7. Summary of additional cost for acceleration measures

HKS

For Builder's Only

Wan Hoi Street, Hung Hom

(a)	Extra Overtime for Labours	7,580,000
(b)	Loss of Efficiency	758,000
(c)	Additional Site Management and Supervision Cost.	1,859,000
(d)	Incentive payment to domestic sub-contractors	2,263,000
(e)	Additional Plants and Temporary Works	3,165,000

INFORMATION/DETAILS NECETATAY FOR CALCULATING 5.695.000 ION

For NSC subject to confirmation

(A) Architect to inform B5E and QS :

(f) Acceleration costs (160r th Nominated & Subsontract work to \$500000 ared contractors of the presises when completed.

Total 21.525.000

his assessment of any claims for extension of time that may be valid up to the time when the acceleration commences

the acceleration period

(B) Building Services Engineers to provide to Q.S. the estimated final contract sums for N & E installations for (Al) above including variations issued to date

(Note : separate contracts dealt with separately by BSE)

(C) Chief Quantity Surveyor (or L E & S) to provide to Q.S. the graph showing Government Wage Index for adjustment of fluctuations in wages

