

COST ANALYSIS:

STANDARD 1CL 7m x 7m AAE (cost estimate)		AMOUNT (as per POW)	MECHANIZED HAULING DISTANCE (kms)	BY SEA HAULING DISTANCE	MANUAL HAULING DISTANCE (kms)
			25.00	35.00	2.00
I.	DIRECT COST	6,667,700.37	356,268.48	873,990.38	1,479,501.59
II.	INDIRECT COST 21% of (I)	1,400,217.08	74,816.38	183,537.98	310,695.33
III.	TAX 12% of (I+II)	968,150.09	51,730.18	126,903.40	214,823.63
IV.	TOTAL CONSTRUCTION COST (I+II+III)	9,036,067.55	482,815.04	1,184,431.77	2,005,020.55
V.	ENG'G OVERHEAD 3.5% of (IV)	316,262.36	16,898.53	41,455.11	70,175.72
VI.	TOTAL PROJECT COST (IV+V)	9,352,329.91	499,713.57	1,225,886.88	2,075,196.27
% of TOTAL PROJECT COST			5.16%	12.66%	21.44%
DERIVED UNIT % MULTIPLIER			0.21%	0.36%	10.72%

SUMMARY :

- A Hauling cost by LAND = (Standard AAE) x (DERIVED UNIT% MULTIPLIER) x (LAND DISTANCE)
- B Hauling cost by SEA = (Standard AAE) x (DERIVED UNIT% MULTIPLIER) x (SEA DISTANCE)
- C MANUAL Hauling Cost = (Standard AAE) x (DERIVED UNIT% MULTIPLIER) x (WALKING DISTANCE)

THEREFORE:

$$\text{TOTAL PROJECT COST with HAULING} = \text{Std. AAE} + \text{A} + \text{B} + \text{C}$$

