

## Inputs Sheet 1

Vessel: **LCT. SURYA AGUNG 2**

LCT Inputs					
ID	Symbol	Description	Qty	Units	Comments
1	LOA	Length of LCT, with rakes	54.000	meters	From LCT drawing or spec sheet
2	L <sub>FR</sub>	Length Forward Rake, if present, must be set equal to zero if rake is not present	4.500	meters	From LCT drawing or spec sheet
3	L <sub>AR</sub>	Length of Aft Rake, if present, must be set equal to zero if rake is not present	0.500	meters	From LCT drawing or spec sheet
4	L	Length of LCT on Deck, without any rakes present	49.000	meters	$L = LOA - L_{FR} - L_{AR}$
5	B	Beam of LCT, moulded, inside side shell to inside side shell	10.500	meters	From LCT drawing or spec sheet
6	D	Depth of LCT, moulded, from top of the bottom plate to the bottom of deck	2.900	meters	From LCT drawing or spec sheet
7	W <sub>LS</sub>	Applied LCT Weight, Light Ship	300.00	Tonne	From LCT drawing or spec sheet, Tonne is for MT metric tons
8	VCG <sub>LS</sub>	Vertical Center of Gravity, VCG, of LCT, Light Ship	0.500	meters	actual value, if unknown leave as zero and this value will be estimated.
8a		Applied LCT VCG, Light Ship, actual input used if available	0.500	meters	Rough Estimate Value per VCG <sub>LS</sub> = 0.7D based on 46 CFR 170.200
9	LCG <sub>LS</sub>	Longitudinal Center of Gravity, LCG, of LCT, Light Ship	24.500	meters	actual value, if unknown leave as zero and this value will be estimated.
9a		Applied LCT LCG, Light Ship, actual value used if available	24.500	meters	The estimated value is zero based on weights balanced about box amidships
10	TCG <sub>LS</sub>	Transverse Center of Gravity, TCG, of LCT, Light Ship	0.000	meters	actual value, if unknown leave as zero and this value will be estimated.
10a		Applied LCT TCG, Light Ship, actual value used if available	0.000	meters	Estimated value is zero, based upon weights balanced about the centerline

Deck Cargo Inputs (include timber mat under crane here if not already with crane weight)					
ID	Symbol	Description	Qty	Units	Comments
1	W <sub>C1</sub>	Total Weight of Deck Cargo *	88000	kg	Cargo characteristics, kg = kilograms
1a		Applied Deck Cargo Weight	88.00	Tonne	Units Conversion of above from kg to metric tons, 1000 kg = 1 metric ton
2	VCG' <sub>C1</sub>	Vertical Center of Gravity, VCG of all Deck Cargo, height above the LCT's weather deck	6.00	meters	actual value, this will be automatically corrected for height above the Baseline
3	VCG <sub>C1</sub>	Applied Cargo VCG, from Baseline	2.50	meters	Based on $VCG_{C1} = VCG'_{C1} + D$
4	LCG <sub>C1</sub>	Longitudinal Center of Gravity, LCG, of all Deck Cargo, distance from Amidships	20.00	meters	Longitudinal distances aft of box amidships are positive, distances forward are negative.
5	TCG <sub>C1</sub>	Transverse center of gravity TCG, of all Deck Cargo, distance from Centerline	0.00	meters	Transverse distances to starboard are positive, to port distances are negative.