No. VI: Clarifications/ addendum dated 14.02.2022.

Clarifications/ addendum in connection with tender No. *SMPK/MRN/SDDS/GBL/MDRG/HAL/I of November 2021* floated for maintenance dredging in the shipping channel leading to Haldia Dock Complex.

SI. No	Information sought	SMPK's Reply
1	Site Information a. Wave, Wind and Tide Data observed at SPMK for last 5 Years.	 a. Waves approach estuary from SSW-SWW during Feb-Sept while during Nov-Jan it is from N to NE. no measured data for wave is available. However, approximately wave height goes about 1.5 mtrs maximum in the dredging area/dumping area only for few days in the year during the monsoon. Tide in Hugli Estuary is Semi-diurnal with variation in current strength and rise/fall of tide in spring and Neap period. Tidal current varies between 4 to 6 knots. The tidal records may be collected if necessary from the office of the Chief Hydraulic Engineer. Hugli river Tide Table is also available and can be purchased from SMPK at a cost of Rs 1500/
	b. Soil Data of Haldia Anchorage, Jellingham & Lower	b. Soil in the estuary is freshly deposited sediment comprising

Site information

	Jellingham Crossing, Upper and Lower Eden Bar and Haldia Reach . Minimum and Maximum Base Depth recorded during last 5 Years in Shipping Channel of Shyama Prasad Mookerjee Port, Kolkata. . Position of Tide gauge (ATG/ RTK) installed in the port limits		gener The v given Jellin Lowe Lowe . Positi	rally in the ra variation of r below : gham - 4.9 to r Eden - 5.3 t r Eden - 6.5 t on of Tide G iven below : Eden : 21° 3 Sagar : 21° 4 Gangra : 21°	nge of 0.07 to navigable dep 0 5.2 m Crossing - 4.8 0 5.8 m 0 6.7 m auge(ATG) in 39' 15" N 087° 40' 17" N 088° ° 56' 41.1" N 0	oth in differe 6 to 5.2 m 1 and around 53' 52.5" E 2 01' 57" E	ent bars ar dredging a	re as
a	 Past Dredging Operations a. Number and Details of Equipment (TSHDs) including their technical specification, deployed for dredging operation during last 3 or 5 Years. b. Dredging details in shipping channel (i.e., No. of Loads, dredge section, Quantity dredged cumulative 		(THSE deplo) with hoppe	er capacities ging operation below:	g Suction Ho between 4500 ns.	• •	-
	as well as per load per section) each month.	_	YEAR	AREA	Qty dredged (CuM)	Load	maintained (m)	
			2017-18	HALDIA ANCHORAGE	1335700	Avg. 2 loads per day	4.4 to 5.0	
				JELLINGHAM	4511409	Avg.4 loads per day	4.4 to 5.0	

					Avg.3 loads per			
			EDEN	3602054	day	4.5 to 5.1		
			HALDIA ANCHORAGE	1272411	Avg. 2 loads per day	4.9 to 5.2		
		2018-19	JELLINGHAM	4157708	Avg.4 loads per day	4.9 to 5.2		
			EDEN	4640736	Avg.3 loads per day	4.9 to 5.6		
			HALDIA ANCHORAGE	1194743	Avg. 2 loads per day	4.9 to 5.1		
		2019-20	JELLINGHAM	2597113	Avg.4 loads per day	4.9 to 5.1		
			EDEN	3487028	Avg.3 loads per day	5.3 to 5.6		
			HALDIA ANCHORAGE	1250975	Avg. 2 loads per day	4.9 to 5.1		
		2020-21	JELLINGHAM	2711477	Avg.4 loads per day	4.9 to 5.1		
			EDEN	2470111	Avg.3 loads per day	5.2 to 5.7		
3.	Shipping Operations	a. On an average 15 vessels (Inward & Outwards) pass through shipping channel per day.						
	a. Average Shipping movement per month at SPMK Shipping channel at least for last two years to analyze traffic impact on dredge cycle.							