Corrigendum to IBS Tender TS-CG Projects.

Sr.no	TSP Clause No	TSP Clause	To be Read As
1.	38	The bridge shall have 26" to 28" type approved LCD multifunction work station, 03 nos. for navigation.01 no's for conning and 01 no's for navigation in Ops Room.	The bridge shall have 26" to 28" type approved LCD multifunction work station 03 nos. for navigation,01 no's for conning & 01 no's for navigation in Ops Room.
2.	39(d)	Flush type Minimum 26"-28" LED/TFT Conning Display-1 Nos loaded with window 10 professional or the latest which is type approved and accepted by ABS. Conning application software, and any other software required for satisfactory operation of the system as per ABS NIBS notation. The display should have night mode and day mode operation. The MFWs to be loaded with following software's: Windows 10 or latest, Conning Application software, any other software required for satisfactory operation (Loc: wheelhouse Console).	Flush type Minimum 26"-28" LED/TFT Conning Display-2 Nos loaded with window 10 professional or the latest which is type approved and accepted by ABS. Conning application software, and any other software required for satisfactory operation of the system as per ABS NIBS notation. The display should have night mode and day mode operation. The MFWs to be loaded with following software's: Windows 10 or latest, Conning Application software, any other software required for satisfactory operation (Loc: wheelhouse Console, Training Bridge Console).
3.	39(e)	Flush type Minimum 26"-28" LED/TFT Multi-Function Work Station (MFWS)-03 Nos type approved as per ABS NIBS notation, Comprising of Keyboard, track ball, and accessories including software licenses for ECDIS & Radar with night mode and day mode operation. The MFWs to be loaded with following software's: Windows 10 or latest, ECDIS Application Software, RADAR Application Software, any other software required for satisfactory operation (Loc: wheel house Console & OPS Room (Deck Mounted console).	Flush type Minimum 26"-28" LED/TFT Multi-Function Work Station(MFWS)-04 Nos type approved as per ABS NIBS notation, Comprising of Keyboard, track ball, and accessories including software licenses for ECDIS & Radar with night mode and day mode operation. The MFWs to be loaded with following software's: Windows 10 or latest, ECDIS Application Software, RADAR Application Software, any other software required for satisfactory operation (Loc: wheel house Console-3 Nos & OPS Room (Deck Mounted console)-1 Nos.

4.	39(h)	The bridge shall have 26" to 28" type approved LCD multifunction work station, 03 nos. for navigation.01 nos for conning and 01 nos for navigation in Ops Room. Additionally, 01 no's conning & 1 Nos Navigation for the trainee's bridge.	The bridge shall have 26" to 28" type approved LCD multifunction work station 03 No's. for navigation,01 No's for conning and 01 No's for navigation in Ops Room. Additionally, 01 No's conning & 1 No's Navigation for the trainee's bridge
5.	40(c)	01 Solid State Training Radar (100W X-Band) The radar in the trainee bridge must be connected to the Inter-switch facility for redundancy.	01 Solid State Training Radar (100W X-Band) The radar display in the trainee bridge must be connected to the Inter-switch facility for redundancy.
6.	51	Wheel house consoles housing third party equipment: | 7	Echo sounder repeater	IBS	1		Wheel house consoles housing third party equipment: | 7	Echo sounder repeater	MDL	1	
7.	52	**Training Bridge console:** 	10	Slave display of ship"s Echo sounder	IBS	1
11	Slave display of ship"s Log	IBS	1		**Training Bridge console:** 	10	Slave display of ship"s Echo sounder	MDL	1
11	Slave display of ship"s Log	MDL	1	
8.	54(I)	Navigation and Traffic Surveillance / manoeuvring position: 	10	Speed and Distance indicator	IBS Vendor	To be displayed in MFWS
11	Depth water indicators with adjustment controls	IBS Vendor	To be displayed in MFWS		Navigation and Traffic Surveillance / manoeuvring position: 	10	Speed and Distance indicator	-	To be displayed in MFWS
11	Depth water indicators with adjustment controls	-	To be displayed in MFWS	
9.	54(II)	Monitoring Position:	Monitoring Position:

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		5	Speed and Distance indicator	IBS Vendor	To be displayed in MFWS		5	Speed and Distance indicator	-	To be displayed in MFWS	
		6	Depth water indicators with adjustment controls	IBS Vendor	To be displayed in MFWS		6	Depth water indicators with adjustment controls	-	To be displayed in MFWS	

Sl	Ref									
10.	54.(iv)	IV.Docking (Bridge wings).					IV.Docking (Bridge wings).			
		13	Depth water indicators	IBS Vendor	-		13	Depth water indicators	MDL	-
11.	54.(viii)	Route Planning position in Bridge:					Route Planning position in Bridge:			
		10	Log, including distance indicator, course plotter	IBS			10	Log, including distance,indicator, course plotter	MDL	
12.	50	IBS Interface with IPMS, Autopilot, steering gear, IMCS, BOW Thruster, Skipper EM LOG & Keltron Echo sounder:					IBS Interface with IPMS, Autopilot, steering gear, IMCS, BOW Thruster, Skipper EM LOG, Keltron Echo sounder & MCCTV: g) Date and GPS time, Roll and Pitch, Yaw and Heave, Wind on deck, Ships heading and speed, Pressure and temperature to ship CCTV System.			
13.	42	DGPS System with combined GPS/Beacon Antenna or DGPS with Satellite based Augmentation System(SBAS)-3 Nos (GLONASS (Two) & IRNSS (One)-NAVIC(Navigation with Indian Constellation).					DGPS (Three) and Glonass (Two) and IRNSS (ONE) - NavIC. (Multi GNSS DGPS receivers) shall be provided.			

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14.	41.(IV)	Bulkhead mounted Gyro switchover and data distribution unit (IP 23) suitable for connecting 2 nos. of Gyro compass, one no. Magnetic Compass and one GPS compass.	Bulkhead mounted Gyro switchover and data distribution unit (IP 23) suitable for connecting 2 nos. of Gyro compass, one no. Magnetic Compass.
15.	39.k	Portable operator unit Navigation laptop with preloaded software's for ECDIS functionality for plugging into IBS data bus on ships Navigation Network.	Portable operator unit Navigation laptop with preloaded software's for ECDIS functionality for plugging into IBS data bus on ships Navigation Network- 1 Nos Enclosed Bridge
16.	39.l	A4 size color printer.	A4 size color printer-1 Nos connected with Navigation MFWS(ECDIS) in Bridge.
17.	51	Wheel House Console	The Width of Bridge of TS Ship is Approx 7.7 meters Depth of center part 1.7 M Apporx and rest part is 1.2 M Approx and Height Approx 1.3 M. Similar Dimensions shall be considered for Trainee Bridge Console.
18.	53	Docking Console	**Docking console:** Deck Standing Console with Flap open cover to be Mounted in Bridge Wing (Weather Exposed) Approx. Width 1M Approx. and Height 1.4 M
19.	43	ECDIS	Paid version of ECDIS chart software with atleast 03 years validity to be provided Further, ECDIS charts for Indian coastal areas shall be supplied in accordance with ecdis Specification(with C maps support and vector charts (S57)

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| 20. | 39.m | | **Qty of MFWS & Displays.**

a) Bridge: 03 Nos for Navigation MFWS & 1 Nos for coning.

b) Trainee Bridge:

  i) 1 Nos slave MFWS for Navigation & 1 Nos Slave MFWS for conning. (without any control facility)
  ii) 1 Nos slave display of S-Band Radar. (Mounted in Trainee Bridge console)
  iii) 1 Nos Display of 100W X-Band Training Radar display. (Mounted in Trainee Bridge console).

c) OPS Room- 1 Nos deck Mounted MFWS for Navigation.

d) ECP: Deck Mounted One X-Band navigation radar display in ECP. |