

भारत सरकार  
पत्तन, पोत परिवहन और जलमार्ग मंत्रालय  
दीपस्तंभ और दीपपोत महानिदेशालय  
दीप भवन, ए- 13 सैक्टर -24, नोएडा (उ. प्र.)

No.01-10/3/2020-ADMIN II

Noida, the 25<sup>th</sup> January, 2021

To

The Director,  
Directorate of Lighthouses and Lightships,  
Kolkata.

Subject: Forwarding of Training Calendar for the year 2021 – reg.

Reference your letter No.MNTI-01/1/2019-MNTI dated 7<sup>th</sup> January, 2021 on the subject noted above.

The training calendar 2021 duly approved by the competent authority is forwarded herewith for further necessary action.

*Nagendra*

(Nagendra)  
Executive Officer  
For Director General

No.01-10/3/2020-ADMIN II

Noida, the 25<sup>th</sup> January, 2021

Copy forwarded for information and necessary action to the Deputy Director General, Directorate of Lighthouses and Lightships, Kolkata.

*Nagendra*

For Director General

**MARINE NAVIGATION TRAINING INSTITUTE - KOLKATA**  
**ANNUAL ONLINE TRAINING CALENDAR FOR THE YEAR 2021**

<u>S. NO.</u>	<u>NAME OF COURSE</u>	<u>DURATION</u>	<u>NO. OF TRAINEES</u>	<u>AREA PROPOSED TO BE COVERED</u>	<u>FACULTY</u>
1.	Technical Course on Solar Energy, AtoN and its Maintenance  Ref: IALA WWA L2.2.3, IALA WWA L2.2.7, IALA WWA L2.7.1-2, IALA WWA L2.11.1-5, IALA WWA L2.3.1-3,  (for Tech/NA-I, II, III/RT SRT/AE(E))	*05 days  01 <sup>st</sup> to 05 <sup>th</sup> Feb 2021	16  (02 Participants from each Directorate)	Solar Energy Solar System, Charge Controller, Earthing and Lightning arrestor for solar system.	Faculty from M/s Reputed Solar Firm, Kolkata
				Introduction to various AtoNs. General upkeep and its maintenance.	Shri. K.K. Singh, AEE, DLL Kolkata/MNTI Faculty
				RACON self-test & programming, Nitrogen charging	Shri. Digvijay Singh, AEE, DGLL
				Divergence of Lights and its significance. Calculation of luminous range of Revolving and Flashing Lights.	Shri. Bhattacharya, RO, DLL Kolkata/MNTI Faculty
2.	Technical Course on Electrical Wiring and Lightening Protection, AC power Supply, Transformers & DC power supply 4  Ref: IALA WWA L2.2.7, IALA WWA L2.2.5-L2.2.6, IALA WWA L2.2.1  (for Tech/NA-I, II, III/RT SRT/AE(E))	*05days  08 <sup>th</sup> Mar to 12 <sup>nd</sup> Mar 2021	16  (02 Participants from each Directorate)	Electrical wiring, Selection of Cable Wire capacity in relation with load.	Faculty from Dep. Of Training and Skill Development, Salt Lake, Kolkata
				Earthing, Early Streamer Emission Lightening System, Lightening protection MOV and Isolation Transformers, IR&ER Test.	Shri. P Sriramulu, DD DLL Kolkata/MNTI Faculty
				Functioning and Maintenance of Alternator, Control of frequency, Exciter Unit, Output Voltage.	Faculty from Dep. Of Training and Skill Development, Salt Lake, Kolkata
3.	Technical Course on PLC, SCADA and Automation  Ref: IALA WWA Module - 10  (for Tech(E)/SRT/AE(E))/AEE/DD)	*05 days  12 <sup>nd</sup> to 16 <sup>th</sup> Apr 2021	12  (01 Participant and above from each Directorate)	Remote Control and Automation of Lighthouses	Faculty from M/s RDS, Pune and MNTI
				PLC Programming, Transducers used in LH Automation. Introduction to SCADA Software.	
				Types of various connectors (BNC, RJ45, Interface Modem, and Switches & Routers) Input & Output devices.	

4.	Introduction to Cyber Security and Digital Communication Ref: IALA WWA L2.9.1-L9.9.9  (for AEE/DD)	*05 Days  10 <sup>th</sup> to 14 <sup>th</sup> May 2021	12  (01 Participant and above from each Directorate)	Introduction to Cyber Security	Guest Faculty from NIIT Limited, Camac Street, Kolkata
				Digital Communication Techniques (GPRS, MW, VSAT, OFC)	Shri. S.B. Mishra, DLL
				Interfaces - RS 232/485, TCP/IP and Modems, Routers.	Guest Faculty from NIIT Limited, Camac Street, Kolkata
5.	Maritime Bouy System and Maintenance	*05 days  14 <sup>th</sup> to 18 <sup>th</sup> June 2021	16  (02 Participants from each Directorate)	Introduction to MBS Systems, Types, Construction, Mooring Design, Sinker Design and Stability	Flt. Lt. Ram Prakash, DLL
				Navigation by Bouys- mariners' perspective	Capt. H.K. Sibal, VTS Manager
				Necessary certifications for Bouy, Sinker, Moorings etc., Radar Reflector, Light Selection, Battery & Solar Plates and Backup Calculation, Preparation of Sinker and Laying of Sinker and Bouy	Shri Birendra Yadav, DLL, Kolkata
				Lifting of Bouy cleaning, Inspection, Maintenance, Painting and Preparation & re-laying of Sinker and Bouy	Shri Kartik Chensudar, DLL
6.	Technical Course on Solar Energy, AtoN and its Maintenance  Ref: IALA WWA L2.2.3, IALA WWA L2.2.7, IALA WWA L2.7.1-2, IALA WWA L2.11.1-5, IALA WWA L2.3.1-3,  (for Tech/NA-I, II, III/RT SRT/AE(E))	*05days  12 <sup>nd</sup> Jul to 16 <sup>th</sup> Jul 2021	16  (02 Participants from each Directorate)	Solar Energy Solar System, Charge Controller, Earthling and Lightning Arrestor for Solar System	Faculty from M/s Reputed Solar Firm, Kolkata
				Introduction to various AtoNs. General upkeep and its maintenance.	Shri. K.K. Singh, AEE, DLL Kolkata/ MNTI Faculty
				RACON self-test & programming, Nitrogen charging	Shri. Digvijay Singh, AEE, DLL Mumbai, DGLL
				Divergence of Lights and its significance. Calculation of luminous range of Revolving and Flashing Lights.	Shri. Bhattacharya, RO, DLL Kolkata/MNTI Faculty

7.	Maintenance of DG sets (For Technician), (General))	*05 days 16 <sup>th</sup> to 20 <sup>th</sup> Aug 2021	12 (01 Participant and above from each Directorate)	Introduction, Basic rules of Functioning, Types, Capacity	Guest Faculty from Kirloskar Inc. Hawrah
				Daily Inspection and Periodical Maintenance, Replacement Procedure for Filters and Lub Oil	Shri Muthuchezian, Tech(D) Shri Palanimuthu, Tech(D) Shri KVS Naidu, Tech(D)
8.	Port Navigation System (for AEE/DD)	*06 days 13 <sup>rd</sup> to 18 <sup>th</sup> Sep 2021	12 (01 Participant and above from each Directorate)	Port Navigation System (Sector Light, Jetty Light, Leading Light)	Cat. Arun Yagnik, Capt. H.K. Sibal, VTS Manager
				RACON, AIS	Shri. P Sriramulu, DD DLL Kolkata/MNTI Faculty
9.	Lighthouse Attendant Training	*05 days 22 <sup>nd</sup> to 26 <sup>th</sup> Nov 2021	16 (02 Participants from each Directorate)	Organisation and Discipline	Shri. K.K. Singh, AEE, DLL Kolkata/MNTI Faculty
				Basic Engineering aspects	Shri. Naveen Kumar Kari, AEE, DLL Visakhapatnam
				General Maintenance	Shri. D.S. Jathar, DD
				Fire Fighting and First Aid	Shri. Ramesh Pagidipalli, AEE, DLL Kolkata /MNTI Faculty
10.	#Orientation Course (including Disciplinary Procedures) for AEE(E)/(C)/(M)	*10 Days 13 <sup>rd</sup> Dec to 24 <sup>th</sup> Dec 2021	*16 (All Newly joined AEE who has not undergone orientation course)	Aids to Navigation Visual Aid, RADAR, RACON, AIS	Shri. P Sriramulu, DD DLL Kolkata/MNTI Faculty
				NAVTEX, e-Loran	Shri. Kulwant Singh, Director
				VTS, E-NAVIGATION	Shri. S.B. Mishra, Director DGLL, Noida
				Financial Management	Guest faculty of ISTM
				The Central Civil Services, Classification, Control and Appeal Rules, 1965,	Guest faculty of ISTM
				RTI and Disciplinary Procedures	Guest faculty of ISTM

# Course will be conducted at MNTI Kolkata

<b>SUMMARY</b>			<b>Faculty Load Matrix</b>		
	No of courses	Participants		No of Sessions	%
Technician/NA/RT SRT Courses	06	96	MNTI Faculty	180	55%
AEE / DD	02	24	Directorate Faculty	88	26%
LHA Training	01	16	Guest Faculty	62	19%
Orientation Course	01	16	Total	330	
	<b>10</b>	<b>152</b>			

