

## TRAINING SCHEDULE

### 1. TRAINING OF CRANE OPERATORS AND MAINTENANCE PERSONNEL:

#### 1.1 GENERAL:

The contractor can assign, qualified mechanical and electrical specialists to instruct the employers Terminal operations personnel in the operating and maintenance on all equipment installed under this contract. The training session by OEM for Drives, PLC & CMMS will be performed at the site of the work. The contractor shall submit his fully structured and detailed proposed training programme under this contract.

#### 1.2 TRAINING SESSIONS:

- .1 The training sessions shall include operations, maintenance and servicing of all mechanical and electrical components of the crane. The detailed training programme will be finalized by the Contractor in consultation with the employer well in advance. The training shall be in sufficient depth to enable IPGPL to use and maintain the crane in a safe and proper manner. Contractor shall impart operational & maintenance training to employer's personnel as per the following;

Location	Details	Total Training days
At the works of Contractor.	A) <b><u>Drive, PLC &amp; CMMS</u></b> (total 04 Engineers in two batches of 02 Engineers in each batch)  B) <b><u>Mechanical System</u></b> (total 04 Engineers in two batches of 02 Engineers in each batch)	20 (each batch of 10 days)          20 (each batch of 10 days)
At employer's site after arrival	<b><u>Mechanical</u></b>	4

of equipment, in classroom.	<b><u>Electrical</u></b>	4
	<b><u>Crane Operations</u></b>	4
On site in crane at IPGPL	<b><u>Mechanical</u></b>	2
	<b><u>Electrical</u></b>	2
	<b><u>Crane Operations</u></b>	5

- .2 The session shall also include hand-on-trouble shooting where the contractor inserts known faults into the system to demonstrate the fault diagnostic capabilities of the fault diagnostic.
- .3 The contractor shall furnish detailed Training manual to employer 15 days before commencement of training.
- .4 The contractor shall provide a full time engineer on the contractor's permanent payroll, on site who shall oversee the Errection/Commissioning works. He shall have authorization to make reasonable changes and modifications as required by the employer.
- .5 A commissioning engineer with PLC knowledge shall remain at site for the first two weeks of the performance test period of each equipment.