

MINUTES OF MEETING OF DOCK SAFETY COMMITTEE HELD ON 29.9.2021 AT 15.30 HRS. IN THE BOARD ROOM, A.O. BUILDING, GANDHIDHAM

At the outset, Dy. Chairman welcomed all the Committee members of the Dock Safety Committee.

Safety Officer, DPT made a power-point presentation and highlighted the issues discussed and action taken on the last Dock Safety Committee meeting.

The discussions were held on the following issues:

Sr. No.	Issues raised	Action	Action By
01	Illumination Level	<p>14 berth high mast towers:</p> <p>16 bidders participated in tender among 10 bidders qualified in preliminary stage. Letters addressed to above 10 bidders to submit the shortfall information on or before 04/10/21.</p> <p>34 & 5 hector high mast towers:</p> <p>The estimate & DTP of High mast towers of 34 & 5 Hector (bundar basin area) is under preparation stage</p> <p>Procurement of 1500 Led fittings:</p> <p>SE (E) stated that technical scrutiny of bids is under progress and the tender files have been sent to Works Audit. After completion of scrutiny by W/A, action will be taken to finalize the tender.</p> <p>Dy. Chairman directed to expedite the issue.</p> <p>16 berth High mast towers:</p> <p>Estimate & dtp submitted to DA(E) to process the same to CA for approval.</p> <p>SE (E) stated that fixing of feeder pillars to switch ON/OFF of entire Dock area lightning automatically basing on the sun set/raise is under progress and said work may be completed within 30 days.</p>	Electrical
02	Roads, drainages and other welfare facilities	<p>Road from Kandla to Kharirohar:</p> <p>90% work completed.</p> <p>40 hectare Road:</p> <p>Submitted for Approval of standing committee</p>	Civil & Electrical

DY.CE stated that the roads are in deteriorated condition. Dy. Chairman directed the work should be completed immediately.

Drainage:

The scheme has been framed to lay new cable which will not be laid inside drain. Meantime drainage cleaning shall be done by civil department with consultation of electrical division only.

Dy. CE desired that a plan showing the cables passing through the drainage lines is required to be shared by CME Deptt. Dy. Chairman directed SE (E) to prepare the drawing and share with Dy. CE.

Welfare facilities :

Dy. CE informed that the re-tendering work for establishing Labour Community Centre at CJ 13 to 16 is under progress.

Tender opened in 31st August 2021 and technical evaluation under scrutiny.

Dy. Chairman enquired as to whether the Welfare facilities available at Kandla are inspected by the Officers of Labour Welfare Section and Secretary (I/c) informed that Labour Welfare Inspector inspects the Port at regular intervals and submits reports.

Dy. Chairman directed that Labour Officer should immediately be deputed for 7-8 days at Kandla to ensure compliance of welfare measures as per Dock Workers Regulations. He also directed that Labour Officer should inspect the dock frequently and to submit the report to Dy. Chairman and he should also suggest labour welfare measures for the benefit of dock workers.

SO stated that's that earthing should be done in Marine Department to protect from electric shock. Dy. Chairman directed SE(E) to arrange to inspect all such points at regular intervals. AD (DS) suggested to maintain an Inspection Register.

The work will be completed by 5th October 2021.

The Port Users requested to provide Rest Shelter with toilet facilities in the Oil Jetty area. It was decided that existing Washroom of Fire Safety can be used by the workers.

Safety Officer informed that action is being taken to provide the facilities like Canteen, Sulabh Complex, etc. outside the Oil Jetty.

Work Order issued for canteen and shulabh complex. Also canteen work started.

As regards providing of canteen facilities at CJ-13 to 16, Safety Officer informed that approval has been granted for running 3 Mobile Rekdi and they will start functioning after receipt of approvals from concerned Authorities i.e. Customs, Food Safety, etc.

Tender opened and technical evaluation under progress.


Dy. Chairman directed TM to take immediate necessary action for functioning of Mobile Rekdís.

03	Issuance of Port Entry Pass	<p>The circular for linking and implementation of safety training and medical examination with port entry pass is issued to all port users. It will be implemented from 1st Dec 2021.</p> <p>The representative of Stevedores Association enquired as to whether adequate steps have been taken by the Port for conducting medical examination as well as imparting training to all the workers in view of the proposed implementation of new entry passes w.e.f. 1.12.2021 mandating inclusion of date of medical examination and training in the Entry Pass.</p> <p>The Safety Officer stated that action is on hand to recruit Safety Trainer and supporting staff for imparting training.</p> <p>The Safety Officer informed that the price bid of the tender for establishing and outsourcing of occupational Health services, which inter alia conducting of medical examination, opened on 29/09/2021.</p> <p>As the medical examination and training of all the workers is not possible to be conducted by 1st Dec., Sr. DTM suggested that the medical examination and training will be conducted in a phased manner so as to ensure that the high priority groups of workers should be trained and medically examined first and for which he suggested that a road map should be evolved by Safety Officer.</p>	Traffic
04	Coal Dust Control	<p>Following effective measures have been taken up by Civil. Engg. Deptt. are as follow:</p> <p>To prevent the dust pollution, sprinkler system is already installed in 40-hectare coal staking yard and the same is running successfully.</p> <p>Dust screen wall is provided in either side of West gate no III in 34 hectares' area. One more tender of screen wall is already finalized and the work will be started in due course of time.</p> <p>Apart from that there is regular sweeping of spilled cargo (dust) being done on regular basis by engaging Tractor mounted broommers, to clean the roads inside cargo jetty area.</p> <p>The work order issued to provide the screen wall and work started.</p> <p>Following effective measures have been taken up by Mech. Engg. Deptt. are as follow:</p> <p>a) Proposal for Outsourcing of 02 nos. Truck mounted Mist Cannon and 02 nos. Truck mounted Road Sweeper system for dust suppression and effective collection has been processed and recently approved by Competent authority. Same shall be deployed shortly after finalization. Expected time for deployment: 3-4 months.</p> <p>Price bid opened. Expected time of deployment is 2-3 months.</p> <p>b) Proposal for installation with O&M of dust suppression sprinkling system at newly appointed coal yard at 34-Ha yard (similar to 40-Ha coal yard dust suppression system) has been recently In-principally approved by Board vide resolution dated 23.04.2021 as per recommendation of Standing Investment Committee. Same shall be tendered shortly after approval of the competent authority. Expected time for award of the work: 4-5 months.</p> <p>Tender floated and last date of bid submission is 28/09/2021. Expected time of award is 2-3 months.</p>	Civil & Mechanical

05	Structure Stability Test	<p>XEN (Civil) stated that P & C Building surveyed off and it needs to be vacated and the Officers and staff of this Building will be provided office accommodation in Kandla. Sr.DD(EDP) stated that there will be issues in providing networking if shifting takes place. Dy. Chairman stated that the issue will be discussed separately.</p> <p>Total 11 nos. of warehouse (10 to 14, 19 to 23 and 25) demolition to be done. 10 to 14 and 25 tender completed. Technical evaluation under progress. Survey off report of P&C building and Crane section in cargo jetty prepared and approval under progress.</p> <p>Dy. Chairman directed Dy. CE to ensure conducting of structure stability test of remaining structures.</p>	Civil
06	Safety Training	<p>Safety Officer stated that 43,444 drivers & cleaners were sensitized so far in the container based training centre.</p> <p>Also the re-advertisement work for walk in interview of safety trainer and associated staff is under progress.</p>	Traffic
07	Medical Examination of workers	<p>Approval is taken for price bid opening is Re-tendering work for outsourcing of Occupational Health Centre is under process.</p> <p>The price bid opened on 29/09/2021 for tender of establishing and operating Occupational Health services.</p>	Traffic & Medical
08	Life Saving equipment & pipelines serving water to fire hydrants	<p>Safety Officer informed that joint inspection was conducted by him along with Fire-cum-Safety Officer, AXEN(E), AE(M) and other associated staff.</p> <p>Dy. Chairman directed that Hydro test of pipelines is to be carried out. Harbour Master stated that hydro test was conducted at pressure 7.5 kg for the particular portion of the fire hydrant line and the same will be carried out for the remaining part.</p> <p>In order to address the leakage issue, Dy. Chairman directed to procure required number of Isolation/Gate Valves.</p> <p>Dy. Chairman stated that revamping project of Oil Jetties would take considerable time and meanwhile, the works like procurement of isolation/gate valves, repairing of existing fire water pipelines and other miscellaneous items shall be carried out immediately.</p> <p>CE stated that all the required isolation/Gate valves shall be procured within 15 days time.</p> <p>At Fire water pump house of OJ-1, Fire water line is running with electrical cables in duct. It was decided that the line shall be taken up and to be laid on the RCC floor in front of door of pump house with provision of ramp on it.</p> <p>Foundation of Electrical poles needs to be strengthened, as it is damaged at many locations. Also electrical fitting on the poles are not working which needs to be replaced to ensure sufficient lux level at approach road.</p> <p>SE stated that the tender has been issued for the above works and only one bidder has participated in the tender. It is learnt that the poor response was due to</p>	<u>Civil & Mechanical</u>

		abnormal increase in the steel price.	
09	Accidents	<p>Safety Officer reported about the fatal accident that took place on 1.5.2021 due to electrocution and he explained the probable causes of accidents and precautions to be taken to avert such accidents in future.</p> <p>It was suggested that 250 workers involved in electrical operations shall be trained and the expenditure thereof will be borne by the respective contractors.</p> <p>Dy. Chairman directed to implement the Work Permit strictly, so as to avoid such accidents and the disciplinary action should be harsh in case of violation.</p> <p>Dy. Chairman stated that SOP shall be prepared based on risk assessment and implemented strictly.</p> <ul style="list-style-type: none"> - Work Completed. Implementation and Monitoring of electrical work shall be carried out regularly. <p>Safety Officer stated that in view of the recent fatal accidents and as directed by Dy. Chairman, an SOP has been prepared based on the risk assessment and will be implemented strictly.</p> <p>Dy. Chairman enquired how it will be ensured whether the SOP is implemented strictly or not. Safety Officer stated that safety staff are required for monitoring the implementation of SOP. Also Individual department shall take positive efforts to implement the safety as it is responsibility of all the line managers who are working on the field.</p> <p>Dy. Chairman stated that the approval has already been granted for engagement of safety staff and directed TM/Safety Officer for engagement of these staff immediately for the purpose.</p> <p>Meanwhile Safety officer suggested that the services of redeployed surplus workers may be utilized for safety purposes. Dy. Chairman appreciated the suggestion and directed to utilize their services.</p>	Electrical & Traffic
10	Sign Boards for Visual Awareness	<p>200 sign boards have already been erected.</p> <p>It was suggested by the committee members for wall painting, which was agreed to.</p> <p>Walls are identified at various location like north gate, oil jetty, west gates, berth NO.13 gates etc. for doing painting. Due to Covid pandemic the painters were not called for safety poster painting. Process will be started by soon by end of June 2021.</p> <p>Dy. Chairman directed to Dy. CE for arranging remaining Sign Board immediately as per requirement of Dock safety.</p> <p>AD (Dock Safety) stated that sign board should be installed at MSDS. Safety Officer suggested that Tool Box Talk system will be helpful and Dy. Chairman directed to explore the possibility for introduction of the system.</p>	Civil

Other Points discussed during meeting:

Sr. No.	Issues raised	Action	Action By
01	Accidents	It was deliberated that most of the road accidents will happen due to driving under the influence of alcohol. Hence, Dy. Chairman directed to procure sufficient numbers of breath analyser at departmental level and all such personnel like truck drivers, Labours, Equipment Operators, Tug/Launch operators, Khalasi, Lascar etc. to be checked at the entry and exit points or at their respective duty points.	Traffic & Marine
2	Workman Compensation	Sr.Dy. Secy & Secretary (I/c) stated that whether the dependent family members of the deceased workers are paid the benefit under Workman's Compensation Act. Labour Officer shall enquire as to whether the benefit has been made to the dependents or not and if not, he will assist them in getting the benefits.	GAD
3	Restriction of 2 Wheelers & 3 Wheelers inside Port	It was also discussed to make arrangements for restriction of entry of 2 / 3 wheelers inside the Port and providing of alternate transport arrangements. Dy. Chairman directed Safety Officer to come-up with a road map in this regard. Safety officer highlighted that currently camel cart is being used inside the oil jetty for transfer of flexible hoses and other material from gate to jetty. He suggested that alternate arrangement need to be think of for the same. Dy. Chairman suggested to think on the feasibility of the Electric Vehicles usage inside the oil jetty as well as cargo jetty. In this context it was also submitted the Hon'ble Prime Minister in a review meeting held on 5 th July 2021 had given a time line of 31 st march 2022 for creating infrastructure and deploying electric vehicles for internal movements at major ports.	Traffic & CME
4	Illumination on Outside Road of Port	Dy. Commandant, CISF stated that there is no proper illumination in road outside the West Gate-2 to West Gate-3 and requested for make lighting arrangements. Dy. Chairman directed CME to take make arrangements.	Electrical
5	Trucks Entry Inside Port	<p>Dy. Commandant, CISF stated that the modified vehicles (truck shown in below image only) are coming inside the Port.</p>  <p>Dy. Chairman directed that truck which are dangerously modified and can cause danger to safety and environment will not be allowed inside port.</p>	Traffic

Status Report of Safety Performance Template issued by MoPSW :

Sr. No.	Action	Status	Action By
01	Report of Safety Performance issued by MoPSW	<ul style="list-style-type: none"> • Monthly safety meeting- Department Level Safety meetings Dy. Chairman directed that all operational and Maintenance Departments shall conduct monthly meetings and ATR shall be reviewed in Dock Safety Committee meeting. • Check Statutory compliances requirements with reference to acts, regulations and conventions pertaining to port. Legal register can be prepared for tracking. • Team of multi-disciplinary/ internal safety auditors identified and conducts regular audits (Safety officer shall not be part of internal safety audit) • Electrical Safety Audit - (Once in two years) • Navigational safety audit - Once in two years) • Hazard and Risks connected with all work areas have been identified (through qualitative assessment / HAZOP / HAZID/ QRA etc. • Standard Operating Procedures (SOP) • All incidents are documented in electronic format categorizing into Fatal, Non-Fatal, Near Miss categories. Sr.DD (EDP) said that he will check with ERP Consultant. • Extended working hours of contract employees/contract workers monitored and ensured that adequate rest is provided to individual, as per regulation of working hours. • Effective prohibition on TAKING ALCOHOLIC DRINK, SEDATIVE NARCOTKIC, STIMULANT DRUG OR PREPARATION. Dy. Chairman directed CMO to procure Breath Analyzers. • PERIODICAL MEDICAL EXEMINATION is done at the termination of every period of 4 years from date of appointment/ Initial medical Exam till the date of attainment of age of 45 years. After 45 years every 2 years upto 55 years & there after annually till retirement. • Human Resource Development with Emphasis on Education and Training at the time of appointment and at regular intervals. • Safety Measures emphasis on strengthening of infrastructure • Concept of Mechanical Integrity and Assets Reliability (MIAR) followed • One Way traffic in the entire port area. • Two and Three wheelers are not allowed in operational and heavy carriage areas. – Assistant Director (Dock Safety) suggested to provide the “pick-up van facility” so as to ease out the congestion in the parking areas. • Movement of workers are ensured through pick up and drop vans between pick up points and work places • Pedestrians are not allowed to move freely in operational areas. • Mechanism of trained 'valet drivers' for picking and dropping off the trailers from and to port gate. So that untrained drivers can be avoided be allowed to operate in operational areas, where heavy machineries and cargo shifting equipments keep moving. 	All Relevant Department

	<ul style="list-style-type: none"> • Sprinkling of water on port road is discouraged and 'Mist Canon' are used to suppress road dust. • Adequate protection provided for people/workers crossing railway line. Railway tracks are fenced except for places where crossing have been provided. Audio visual signal is provided to alert passer-by to KEEP AWAY, TRAIN IS MOVING. Automatic barriers provided at the railway crossings are functioning at Fail Safe mode. 	
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Review of External Safety Audit:

Sr. No.	Action	Status	Action By
01	External Safety Audit	<ul style="list-style-type: none"> • Revamp project of oil jetty and approval from statutory authorities. Work Order issued for augmentation of liquid cargo handling capacity by revamping of existing pipeline network at oil jetty area of DPT • Electrical Safety Audit to be conducted In principal approval obtained. Estimate prepared and under process for approval. • Hydro test of pipelines to be conducted • Walkways connecting to jetties not adequate Walk way repairing work under progress. • Two unused loading arms to be dismantled OJ-1 and OJ-4 loading arms will be removed in the revamping project. • Fire gas detection system to be installed The above point is covered under the revamping of firefighting system. • Identification, tagging and Color coding of the pipe line and tagging to be done. Pending • Surveyed off pipe lines to be removed. It will be removed in the revamping project. • Illumination level to be improved at oil jetty area. Flameproof fittings installed. • Fire water pumps and room is not maintained adequately. Assistant Director (Dock Safety) stated that the pressure generated in the pumps should be monitored and checked quarterly. Pending 	<u>Civil, Mechanical & Electrical</u>

	<ul style="list-style-type: none"> • Ultrasonic testing to be carried out for pipe line thickness measurement. Pending • The DG sets (02 nos.) are available for emergency power supply only for lighting in fire pump room and the Jetty area. There is no power back up available for Main Fire Station. Pending <p>Dy. Chairman directed Dy. CE & SE (E) to carry out all the above works immediately.</p>	
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Inspection of welfare facilities inside the port was carried out on 19/06/2021 by Safety Officer, Welfare inspector, JE- Civil and HMS union representative.

Sr. No.	Action	Status	Action By
1	Rest shelter work near marine bhawan to be completed. It was informed by civil team than work will start by 23/06/2021.	Work under progress and it is expected to be completed by 5/10/2021	Civil
2	The mosquito and dust protection net to be provided on window of the marine bhawan canteen.	Dust protection net provided at nearby fencing of the Marine Bhavan	Civil
3	One observation was discussed by the marine dept. workers that, Many time minor electrical current felt while operating switches. The electrical connections and earthing needs to be checked on priority. Such observations are also conveyed by traffic department staff for container cabins of supervisors.	Work will be completed by 5/10/2021.	Electrical
4	One water cooler with RO can be provided at craft jetty area for workers.	20 ltrs. water bottles of RO mineral water in sufficient quantity are supplied for drinking purpose at craft jetty NO. 1 & 2. Providing RO is in scope of CME dept. After providing RO, water cooler can be provided.	Civil
5	Work of new toilet blocks are under progress inside the port. (Total 10)	Construction of new toilet blocks (10 nos.) is in progress and last date of completion of work is 31/10/2021. Toilet block work near marine bhavan is completed.	Civil

6	Wooden flooring of walkway is damaged at the craft jetty which need to be repaired.	Repaired.	Civil
7	Canteen facility needs to be developed for berth 13 to 16 area.	Tender for the same is opened on 30/08/2021 and is under evaluation. However, traffic department has given permission for 4 mobile rekdis.	Civil
8	The electrical luminaries needs to be replaced at berth No.13 shed office and many luminaries are not working.	Work will be completed by 5/10/2021.	Electrical
9	There is water ingress observed in the buildings during rainy season. Water proofing of all occupied buildings needs to be done.	Necessary action has been initiated at different buildings. Waterproofing at Nirman building done.	Civil

Inspection of Firefighting pipeline inside the port was carried out on 18/06/2021 by Safety Officer, AXEN-Electrical, FCSO, SDO-Civil, AE-Mech and other staff.

Sr. No.	Action	Status	Action By
1	Hydro test of pipelines is not carried out till date which is long pending issue.	Existing fire water pipeline shall be hydro tested. As per OISD 156 the action is being conducted by CME department for replacement of fire fighting pipeline.	Civil
2	At many locations, fire water line is touching to land. There must be sufficient clearance between the pipeline and land to avoid corrosion. Also coating shall be provided for the under ground lines.	Work in Progress.	Civil
3	Fire water pump house of OJ-1, Fire water line is running with electrical cables in duct. The line shall be taken up and to be laid on the RCC floor in front of door of pump house with provision of ramp on it.	Work In Progress. As an when required, the fire fighting line is re routed as per guidelines of FCSO on top priority.	Civil
4	Hand railing at several location is damaged at the approach of jetties.	Work under progress.	Civil
5	At many locations, Fire hydrants at fitted at low/high points on the main header. The position of the fire	The work will be carried of fire water line in revamp	Civil

	hydrants shall be as per OISD standard for easy operation and to avoid bending of fire hose.	project by CME department.	
6	Main Header isolation valve observed in highly corroded condition outside OJ-1 pump room. The isolation valve shall be replaced immediately.	The order placed and within 15 days work will be completed.	Civil
7	There are unused water flushing lines observed at the pipe rack. This lines are already surveyed off but not removed from the pipe rack. This lines are occupying huge space on the approach road. Theses needs to be removed on urgent basis.	Removal work under progress.	Civil
8	2 nos. of isolation valve to be provided at the main fire header line out side the OJ-2 pump house.	The order placed and within 15 days work will be completed.	Civil
9	Foundation of Electrical poles needs to be strengthen as it is damaged at many locations. Also electrical fitting on the poles are not working which needs to be replaced to ensure sufficient lux level at approach road.	The work will be carried out in revamp project.	Electrical
10	There is 3 isolation valve installed on main fire header line near pipe rack at approach road of the OJ-3. During emergency situation at that pipe rack it will be difficult to operate this valves. It is recommended to change the position of that valve sot that they can be operated easily during emergency.	Completed	Civil
11	The fire water monitors is in corroded condition at OJ-3. Which need to be changed immediately.	Completed	Civil
12	There was leakage observed in the fire water line at OJ-3. This needs to be repaired immediately.	Completed	Civil
13	The online sealing clamps for all size of fire water lines shall be purchased and kept in sufficient stock so that any leakage can be arrested immediately so that readiness of fire water line can be ensured all the time.	All size clamps received for use in emergency.	Civil
14	All the walkways which are connecting to individual berths are in very bad condition. Some of the walk way platform plates are highly corroded and damaging while walking on it. This is very serious matter and pending since long time. The issue was raised in external safety audit also. The use of this walk way shall be restricted until it repairs or replaced.	Work under progress	Civil
15	Fire water curtain line is highly corroded at Oj-4 and shall be repaired immediately.	The work will be carried out in revamp project.	Civil

16	Fire water line is highly corroded at OJ-4 and shall be repaired immediately.	Work Under progress.	Civil
17	Fire Gas Detection system is not available at all jetties. Hydrocarbon detectors are installed at OJ-1. Gas detectors for toxic and flammable substances along with hooters, beacons (light) and manual call point shall be installed for early detection of any leakages.	The work will be carried out in revamp project.	CME
