

VESSEL REQUIREMENTS

1. REQUIREMENTS OF TANKERS FOR DISCHARGING OF PRODUCT VIA DOLPHIN TANKER BERTH, COLOMBO

VESSEL NOMINATED

1.1. SHOULD MEET FOLLOWING COLOMBO PORT RESTRICTION:

TYPE OF HULL	-	DOUBLE HULL
SDWT	-	60,000 MT MAX.
LOA	-	210 METERS MAX.
BEAM	-	32.2 METERS MAX.
DRAFT	-	11.8 METERS MAX.
DISTANCE FROM SEA LEVEL TO CENTRE MANIFOLD	-	14 METERS MAX.
MANIFOLD SIZE	-	6" DIAMETER
MANIFOLD TYPE	-	ANSI 150 CLASS
ARRIVAL MANIFOLD HEIGHT FROM SEA LEVEL	-	11.5 METERS MAX.

1.2. SHALL NOT EXCEED 20 YEARS OF AGE. UNDER NO CIRCUMSTANCES VESSELS OVER 20 YEARS OF AGE WILL BE ACCEPTED. ACCEPTABLE CAP RATING OF THE VESSEL IS **0 OR 1** FOR HULL AND MACHINERY.

1.3. SHOULD BE A CLEAN TANKER WHICH HAS CARRIED CLEAN PETROLEUM PRODUCTS ON THE LAST THREE VOYAGES. (OBO CARRIERS ARE NOT ACCEPTABLE).

1.4. SHOULD BE CAPABLE OF DISCHARGING A CARGO OF GAS OIL (0.05% MAX SULPHUR) SIMULTANEOUSLY THROUGH TWO ADJOINING MANIFOLDS AT A MINIMUM DISCHARGING RATE OF 270 M³ PER HOUR AND 400 M³ PER HOUR THROUGH TWO LINES OF 10 INCH AND 12 INCH DIAMETER RESPECTIVELY WHILE MAINTAINING PRESSURE AT VESSEL'S MANIFOLDS FROM 10.0 KG/CM² TO 12.5 KG/CM² RESPECTIVELY. TWO NUMBERS MANIFOLD CONNECTIONS WILL BE PROVIDED FOR THE DISCHARGE OF PRODUCTS SIMULTANEOUSLY THROUGH TWO NUMBERS 6 INCH LOADING / DISCHARGING ARMS.

1.5. SHOULD BE CAPABLE OF FLUSHING THE 10 INCH OR 12 INCH, 7,000 METER LENGTH, DISCHARGE LINE WITH MINIMUM OF 5.0 KG/CM² PRESSURE AT MANIFOLD, WITH SEA WATER ABOUT FOUR HOURS EACH BEFORE COMMENCEMENT AND AFTER COMPLETION OF DISCHARGE OF PRODUCT.

1.6. SHOULD BE EQUIPPED WITH DOUBLE VALVE SEGREGATION WHICH WILL HAVE TO BE CONFIRMED BY THE INDEPENDENT INSPECTORS.

1.7. AVAILABILITY OF CONTINUOUS PRESSURE MONITORING AND RECORDING / REPORTING FACILITIES SHALL BE PREFERRED.

1.8. SHOULD HAVE ALL VALID CERTIFICATES REQUIRED UNDER THE INTERNATIONAL AND NATIONAL RULES AND REGULATIONS APPLICABLE AND SHOULD BE ISM CODE CERTIFIED OR WHOSE OWNERS OR OPERATORS SHOULD HOLD AN ISM CODE DOCUMENT OF COMPLIANCE.

1.9. SHOULD HAVE CARGO TANKS/ PIPE LINES/ PUMPS/ STRAINERS CLEAN AND DRY PRIOR TO COMMENCEMENT OF LOADING.

1.10. A DOCUMENT FROM VESSEL OWNERS CONFIRMING THAT THE VESSEL COMPLIES WITH ALL THE ABOVE REQUIREMENTS FROM SUB CLAUSE 1 TO SUB CLAUSE 9 AND THE LATEST UPDATED QUESTIONNAIRE 88 SHOULD BE FURNISHED AT THE TIME OF VESSEL NOMINATION.

1.11. IN THE EVENT OF A DELAY IN DISCHARGING THE CARGO AT COLOMBO DUE TO VESSEL'S NON-COMPLIANCE WITH THE ABOVE REQUIREMENTS FROM SUB CLAUSE 1 TO SUB CLAUSE 10 THE SUCCESSFUL SUPPLIER / BIDDER WILL BE HELD LIABLE FOR PAYMENT OF MAXIMUM OF USD 60,000.00 TO CEYPETCO.

1.12. ACCOMMODATION/MEALS

1.12.1. FOLLOWING PERSONNEL WOULD STAY ON BOARD THROUGHOUT THE PERIOD OF TANKER MADE FAST AT DOLPHIN TANKER BERTH.

- (a) TWO LOADING MASTERS
- (b) ONE SAMPLE COLLECTOR (CREW)
- (c) ONE INDEPENDENT INSPECTOR (JUNIOR OFFICER)
- (d) ONE INTERNAL AUDITOR FROM CPSTL

1.12.2. PROPER ACCOMMODATION ON OFFICERS' DECK SHOULD BE ARRANGED FOR LOADING MASTERS, INDEPENDENT INSPECTORS AND INTERNAL AUDITOR FROM CPSTL.

1.12.3. MEALS FOR LOADING MASTERS, INDEPENDENT INSPECTORS AND INTERNAL AUDITOR FROM CPSTL SHOULD BE SERVED IN OFFICERS' DINING SALOON.

1.13. THERE SHALL BE NO INSPECTION / SURVEY ON BOARD WHILE DISCHARGING.

1.14. AFTER ACCEPTANCE OF THE NOMINATED VESSEL BY CEYPETCO, A CERTIFIED COPY OF THE APPLICABLE CHARTER PARTY OR A CERTIFIED COPY OF THE SIGNED FIXTURE NOTE / FIXTURE RECAP INCLUDING THE RATE OF DEMURRAGE SHALL BE SUBMITTED BY THE SUCCESSFUL SUPPLIER/ BIDDER.

2. REQUIREMENTS OF TANKERS FOR DISCHARGING OF PRODUCT VIA SPM MUTHURAJAWELA, COLOMBO

VESSEL NOMINATED

2.1. SHOULD MEET FOLLOWING RESTRICTIONS AT SPMMUTHURAJAWELA, COLOMBO (DUAL PATH BUOY)

TYPE OF HULL	-	DOUBLE HULL
SDWT	-	60,000 MT MAX
LOA	-	228 METERS MAX.
BEAM (MOULDED)	-	34.9 METERS MAX.
DEPTH (MOULDED)	-	18.2 METERS MAX.
DRAFT 100% LOADED	-	12.5 METERS MAX.
DRAFT 20% LOADED	-	4.6 METERS MIN.
MANIFOLD SIZE/TYPE	-	12" DIAMETER/ANSI 150 CLASS

2.2. SHALL NOT EXCEED 20 YEARS OF AGE. UNDER NO CIRCUMSTANCES VESSELS OVER 20 YEARS OF AGE WILL BE ACCEPTED. ACCEPTABLE CAP RATING OF THE VESSEL IS **0 OR 1** FOR HULL AND MACHINERY.

2.3. SHOULD BE A CLEAN TANKER, WHICH HAS CARRIED CLEAN PETROLEUM PRODUCTS ON THE LAST THREE VOYAGES (OBO CARRIERS ARE NOT ACCEPTABLE).

2.4. SHOULD BE CAPABLE OF DISCHARGING GAS OIL (0.05% MAX SULPHUR) THROUGH 12 INCH PORT MANIFOLD AT A MINIMUM DISCHARGE RATE OF 1,200 M³ PER HOUR THROUGH 12 INCH FLOATING HOSE, WHILE MAINTAINING PRESSURE AT VESSEL'S MANIFOLDS FROM 5.0 KG/CM².

2.5. SHOULD BE CAPABLE OF FLUSHING THE 18 INCH, 7,000 METER LENGTH, DISCHARGE LINE WITH MINIMUM OF 5.0 KG/CM² PRESSURE AT MANIFOLD, WITH SEA WATER ABOUT FOUR HOURS EACH BEFORE COMMENCEMENT AND AFTER COMPLETION OF DISCHARGE OF PRODUCT.

2.6. SHOULD BE EQUIPPED WITH DOUBLE VALVE SEGREGATION WHICH WILL HAVE TO BE CONFIRMED BY THE INDEPENDENT INSPECTORS.

2.7. AVAILABILITY OF CONTINUOUS PRESSURE MONITORING AND RECORDING / REPORTING FACILITIES SHALL BE PREFERRED.

2.8. THE VESSEL SHOULD HAVE ALL VALID CERTIFICATES REQUIRED UNDER THE INTERNATIONAL AND NATIONAL RULES AND REGULATIONS APPLICABLE AND SHOULD BE ISM CODE CERTIFIED OR WHOSE OWNERS OR OPERATORS SHOULD HOLD AN ISM CODE DOCUMENT OF COMPLIANCE.

2.9. SHOULD HAVE CARGO TANKS/ PIPE LINES/ PUMPS/ STRAINERS CLEAN AND DRY PRIOR TO COMMENCEMENT OF LOADING.

2.10. A DOCUMENT FROM VESSEL OWNERS CONFIRMING THAT THE VESSEL COMPLIES WITH ALL THE ABOVE REQUIREMENTS FROM SUB CLAUSE 1 TO SUB CLAUSE 9 AND THE LATEST UPDATED QUESTIONNAIRE 88 SHOULD BE FURNISHED AT THE TIME OF VESSEL NOMINATION.

2.11. IN THE EVENT OF A DELAY IN DISCHARGING THE CARGO AT COLOMBO DUE TO VESSEL'S NON-COMPLIANCE WITH THE ABOVE REQUIREMENTS FROM SUB CLAUSE 1 TO SUB CLAUSE 10 THE SUCCESSFUL SUPPLIER / BIDDER WILL BE HELD LIABLE FOR PAYMENT OF MAXIMUM OF USD 60,000.00 TO CEYPETCO.

2.12. VESSEL MOORING EQUIPMENTS AND MANIFOLDS SHOULD CONFORM TO OCIMF STANDARDS.

2.13. MANIFOLD

MANIFOLD LOCATION - MIDSHIP (PORT SIDE)

MANIFOLD CONNECTION - ONE 12 INCH STUDDED CAMLOCK FLANGE ANSI CLASS 150

2.14. DETAILS OF DERRICK AT MANIFOLD LOCATION

DERRICK SHOULD HAVE MINIMUM SAFE WORKING LOAD OF 10 MT AND SHOULD BE IN GOOD OPERATIONAL CONDITION.

2.15. MOORING EQUIPMENT, MOORING AND TOWING ARRANGEMENT

2.15.1. TANKER SHOULD BE FITTED WITH A CENTRAL BOW STOPPER (CHAIN STOPPER) OF 100 TONNES SWL FOR OCIMF CHAFE CHAIN "B"

2.15.2. TANKER SHOULD BE FITTED WITH A CENTRAL BOW FAIR LEAD (BULL RING) MEASURING AT LEAST 600 MM X 450 MM

2.15.3. POSITION OF PEDESTAL ROLLER FAIRLEAD/WINCH DRUM

2.15.3.1. SHOULD BE A CONTINUATION OF THE DIRECT LEAD LINE BETWEEN THE BOW FAIRLEAD (BULL RING) AND BOW CHAIN STOPPER.

2.15.3.2. SHOULD BE NOT LESS THAN 4.5 METRES DIRECTLY BEHIND THE BOW CHAIN STOPPER.

2.15.3.3. SHOULD BE AT SUCH A HEIGHT THAT FAIRLEAD ROLLERS WILL ENABLE AN UNRESTRICTED LINE PULL TO BE ACHIEVED.

2.15.4. PEDESTAL FAIRLEAD SHOULD BE FITTED FOR LEAD TO WINCH/WINDLASS.

2.15.5. SHOULD HAVE A MESSENGER LINE OF CIRCUMFERENCE 4 INCH/5 INCH X 500 FT. LONG, ONE END CONNECTED TO AN EMPTY MOORING ROPE WINCH DRUM.

2.15.6. TANKER SHOULD HAVE A "PANAMA" LEAD RIGHT AFT ON ITS CENTRE LINE.

2.15.7. A GOOD TOW ROPE (POLYPROPYLENE) OF 10" CIRCM OR ABOVE IN SIZE AND LENGTH (APPROX. 650 FT.) TO BE KEPT READY AT THE STERN. IF NECESSARY, TWO ROPE COILS MAY BE JOINED TO OBTAIN LENGTH OF 650 FT.

2.15.8. MOORING MASTERS SHOULD HAVE FREE ACCESS TO NAVIGATIONAL CHARTS AND EQUIPMENTS REQUIRED FOR MOORING OPERATION.

2.15.9. WHEEL HOUSE TO BE KEPT OPEN THROUGHOUT THE PERIOD THE TANKER MADE FAST TO THE BUOY.

2.15.10. A FORE-CASTLE WATCHMAN TO BE MADE AVAILABLE BY THE TANKER THROUGHOUT THE PERIOD THE TANKER MADE FAST TO THE BUOY.

2.15.11. ALL TOOLS REQUIRED FOR CONNECTION/DISCONNECTION OF CARGO HOSE TO BE SUPPLIED BY THE TANKER.

2.15.12. CONNECTION/DISCONNECTION OF HOSE IS THE RESPONSIBILITY OF SHIP'S STAFF UNDER THE SUPERVISION OF A SHIP'S OFFICER ON THE INSTRUCTIONS OF CEYPETCO OFFICIALS ON BOARD THE TANKER.

2.15.13. TANKER'S MAIN ENGINE SHOULD BE KEPT READY THROUGHOUT THE PERIOD OF STAY AT THE BUOY FOR MANEUVERING PROMPTLY ON NOTICE.

2.16. INERT GAS SYSTEM

TANKER SHOULD HAVE AN OPERATIONAL INERT GAS PLANT CAPABLE OF MAINTAINING TANK ATMOSPHERE OF LESS THAN 8 PCT. OXYGEN CONTENT AND POSITIVE PRESSURE IN CARGO TANKS WITHIN SAFE LIMITS AT ALL STAGES OF DISCHARGE.

2.17. COMMUNICATION EQUIPMENT

TANKER SHOULD HAVE VHF CHANNEL 09,16,68,71 FACILITIES FOR COMMUNICATION WITH SHORE FACILITY. TANKER'S CARGO CONTROL ROOM SHOULD HAVE FACILITY TO MAINTAIN A CONTINUOUS WATCH ON VHF CHANNEL 71 FOR OPERATIONAL REQUIREMENTS.

2.18. ACCOMMODATION/MEALS

2.18.1. FOLLOWING PERSONNEL WOULD STAY ON BOARD THROUGHOUT THE PERIOD OF TANKER MADE FAST TO THE BUOY.

2.18.1.1. TWO MOORING MASTERS (SENIOR MASTER MARINERS)

2.18.1.2. ONE CARGO RECEIVER

2.18.1.3. ONE LOADING MASTER

2.18.1.4. ONE SAMPLE COLLECTOR (CREW)

2.18.1.5. ONE INDEPENDENT INSPECTOR (JUNIOR OFFICER)

2.18.1.6. ONE INTERNAL AUDITOR FROM CPSTL

2.18.2. PROPER ACCOMMODATION ON OFFICERS' DECK SHOULD BE ARRANGED FOR MOORING MASTERS, LOADING MASTERS, INDEPENDENT INSPECTORS AND INTERNAL AUDITOR FROM CPSTL.

2.18.3. MEALS FOR MOORING MASTERS, LOADING MASTERS, INDEPENDENT INSPECTORS AND INTERNAL AUDITOR FROM CPSTL SHOULD BE SERVED IN OFFICERS' DINING SALOON.

2.19. A DOCUMENT FROM TANKER OWNERS CONFIRMING THAT THE TANKER COMPLIES WITH ALL THE ABOVE REQUIREMENTS.

2.20. THERE SHALL BE NO INSPECTION/SURVEY ON BOARD WHILE DISCHARGING.

2.21. AFTER ACCEPTANCE OF THE NOMINATED VESSEL BY CEYPETCO, A CERTIFIED COPY OF THE APPLICABLE CHARTER PARTY OR A CERTIFIED COPY OF THE SIGNED FIXTURE NOTE / FIXTURE RECAP INCLUDING THE RATE OF DEMURRAGE SHALL BE SUBMITTED BY THE SUCCESSFUL SUPPLIER/BIDDER.

3. **REQUIREMENTS OF TANKERS FOR DISCHARGING OF PRODUCT VIA SPBM 1 COLOMBO (Crude)**

VESSEL NOMINATED

3.1. SHOULD MEET FOLLOWING COLOMBO PORT RESTRICTIONS:

(A) LENGTH	-	298.70 M MAX.
(B) BEAM	-	44.5 M MAX.
(C) MOULDED DEPTH	-	22.56 M MAX.
(D) DRAFT	-	18.90 M MAX.
(E) FORWARD DRAFT	-	3.28 M MIN. WHILST AT SPM
(F) SUMMER DEADWEIGHT	-	180,000 DWT MAX.
(G) TYPE OF HULL	-	DOUBLE HULL

NOTE:

IN ORDER TO ESTABLISH A BETTER CONTROL OF TANKER MOVEMENT AROUND SPM, MINIMUM 2/3 PROPORTION OF CARGO QUANTITY VS. DEADWEIGHT WOULD BE PREFERRED BY CHARTERER.

3.2. SHALL NOT EXCEED 20 YEARS OF AGE. UNDER NO CIRCUMSTANCES VESSELS OVER 20 YEARS OF AGE WILL BE ACCEPTED. ACCEPTABLE CAP RATING OF THE VESSEL IS **0** OR **1** FOR HULL AND MACHINERY.

3.3. **MANIFOLD**

A) MANIFOLD LOCATION	-	MIDSHIP (PORT SIDE)
B) MANIFOLD CONNECTION	-	ONE 12 INCH STUDDED CAMLOCK FLANGE ANSI CLASS 150

3.4. DETAILS OF DERRICK AT MANIFOLD LOCATION

DERRICK SHOULD HAVE MINIMUM SAFE WORKING LOAD OF 10 MT AND SHOULD BE IN GOOD OPERATIONAL CONDITION.

3.5. MOORING EQUIPMENT, MOORING AND TOWING ARRANGEMENT

TANKER SHOULD BE FITTED WITH A CENTRAL BOW STOPPER (CHAIN STOPPER) OF FOLLOWING CAPACITY FOR OCIMF CHAFE CHAIN "B".

TANKERS UPTO 100,000 DWT - 100 TONNES SWL
TANKERS OVER 100,000 DWT - 200 TONNES SWL

3.6. TANKER SHOULD BE FITTED WITH A CENTRAL BOW FAIR LEAD (BULL RING) MEASURING AT LEAST 600 MM X 450 MM.

3.7. POSITION OF PEDESTAL ROLLER FAIRLEAD/WINCH DRUM

- (a) SHOULD BE A CONTINUATION OF THE DIRECT LEAD LINE BETWEEN THE BOW FAIRLEAD (BULL RING) AND BOW CHAIN STOPPER.
- (b) SHOULD BE NOT LESS THAN 4.5 METRES DIRECTLY BEHIND THE BOW CHAIN STOPPER.
- (c) SHOULD BE AT SUCH A HEIGHT THAT FAIRLEAD ROLLERS WILL ENABLE AN UNRESTRICTED LINE PULL TO BE ACHIEVED.

3.8. PEDESTAL FAIRLEAD SHOULD BE FITTED FOR LEAD TO WINCH/WINDLASS.

3.9. SHOULD HAVE A MESSENGER LINE OF CIRCUMFERENCE 4 INCH/5 INCH X 500 FT. LONG, ONE END CONNECTED TO AN EMPTY MOORING ROPE WINCH DRUM.

3.10. TANKER SHOULD HAVE A "PANAMA" LEAD RIGHT AFT ON ITS CENTRE LINE.

3.11. A GOOD TOW ROPE (POLYPROPYLENE) OF 10" CIRCM OR ABOVE IN SIZE AND LENGTH (APPROX. 650 FT.) TO BE KEPT READY AT THE STERN. IF NECESSARY, TWO ROPE COILS MAY BE JOINED TO OBTAIN LENGTH OF 650 FT.

3.12. MOORING MASTERS SHOULD HAVE FREE ACCESS TO NAVIGATIONAL CHARTS AND EQUIPMENTS REQUIRED FOR MOORING OPERATION.

3.13. WHEEL HOUSE TO BE KEPT OPEN THROUGHOUT THE PERIOD THE TANKER MADE FAST TO THE BUOY.

3.14. A FORE-CASTLE WATCHMAN TO BE MADE AVAILABLE BY THE TANKER THROUGHOUT THE PERIOD THE TANKER MADE FAST TO THE BUOY.

3.15. ALL TOOLS REQUIRED FOR CONNECTION/DISCONNECTION OF CARGO HOSE TO BE SUPPLIED BY THE TANKER.

3.16. CONNECTION/DISCONNECTION OF HOSE IS THE RESPONSIBILITY OF SHIP'S STAFF UNDER THE SUPERVISION OF A SHIP'S OFFICER ON THE INSTRUCTIONS OF CEYPETCO OFFICIALS ON BOARD THE TANKER.

3.17. TANKER'S MAIN ENGINE SHOULD BE KEPT READY THROUGHOUT THE PERIOD OF STAY AT THE BUOY FOR MANOEUVRING PROMPTLY ON NOTICE.

3.18. **INERT GAS SYSTEM**

TANKER SHOULD HAVE AN OPERATIONAL INERT GAS PLANT CAPABLE OF MAINTAINING TANK ATMOSPHERE OF LESS THAN 8 PCT. OXYGEN CONTENT AND POSITIVE PRESSURE IN CARGO TANKS WITHIN SAFE LIMITS AT ALL STAGES OF DISCHARGE.

3.19. **COMMUNICATION EQUIPMENT**

TANKER SHOULD HAVE VHF CHANNEL 09,16,68,71 FACILITIES FOR COMMUNICATION WITH SHORE FACILITY. TANKER'S CARGO CONTROL ROOM SHOULD HAVE FACILITY TO MAINTAIN A CONTINUOUS WATCH ON VHF CHANNEL 71 FOR OPERATIONAL REQUIREMENTS.

3.20. **ACCOMMODATION/MEALS**

FOLLOWING PERSONNEL WOULD STAY ON BOARD THROUGHOUT THE PERIOD OF TANKER MADE FAST TO THE BUOY.

- (a) TWO MOORING MASTERS
- (b) TWO LOADING MASTERS
- (c) ONE SAMPLE COLLECTOR (CREW)
- (d) TWO INDEPENDENT INSPECTORS (JUNIOR OFFICERS)

3.21. PROPER ACCOMMODATION ON OFFICERS DECK SHOULD BE ARRANGED FOR THE MOORING MASTERS, LOADING MASTERS AND INDEPENDENT INSPECTORS.

3.22. MEALS FOR MOORING MASTERS, LOADING MASTERS AND INDEPENDENT INSPECTORS SHOULD BE SERVED IN OFFICERS' DINING SALOON AT THE OWNERS EXPENSE.

3.23. **RATE OF DISCHARGE**

TANKER SHOULD BE EQUIPPED WITH CARGO DISCHARGE PUMPS CAPABLE OF DISCHARGING THROUGH THE MANIFOLD AS MENTIONED IN CLAUSE 2.20 ABOVE WHILE MAINTAINING A PRESSURE OF 8.5 KG/CM² / 9.5 KG/CM². MINIMUM AT THE MANIFOLD OR AS ADVISED BY THE MOORING MASTERS. AVAILABILITY OF CONTINUOUS PRESSURE MONITORING AND RECORDING/REPORTING FACILITIES SHALL BE PREFERRED

NOTE : WHEN PUMPING TO REFINERY (22 KM DISTANCE) AVERAGE RATE 1,350 MT/HR. AT 7.5 KG/CM².

WHEN PUMPING TO TANK FARM (12 KM DISTANCE) AVERAGE RATE 2,500 MT/HR. AT 7.5 KG/CM².

3.24. **CRUDE OIL WASHING**

COW SHOULD BE CARRIED OUT ONLY UPTO MARPOL 25% WHILE DISCHARGING CRUDE OIL WITHOUT INTERRUPTION TO DISCHARGE OPERATION.