

KOLKATA PORT TRUST
HALDIA DOCK COMPLEX

Office of the Sr. Dy. Manager (Dock).

I&CF Division

Chiranjibpur Operational Admin. Building,
2nd Floor, P.O.Haldia, Dist. Purba Midnapore.

PIN: 721604.

NOTICE INVITING QUOTATION

No. : I&CF /SDM/ DOCK/ Q / 837/ 367

Dated :- 22.06.17

Quotations in sealed cover are invited from bonafide, experienced and IACS(International Association of Classification Society) member organizations for testing & certification of rubber Fenders with accessories proposed to be purchased for Haldia Dock Complex :

1.	Quotation No.	:	I&CF/SDM/DOCK/Q/ 837
2.	Name of work	:	QUOTATION FOR ENGAGEMENT OF THIRD PARTY INSPECTION AGENCY FOR TECHNICAL INSPECTION, TESTING & CERTIFICATION OF FENDERS TO BE SUPPLIED AGAINST TENDER NO. SDM/DOCK/T/783 AT HALDIA DOCK COMPLEX.
3.	Time of completion.	::	7 (seven) months
4.	Last date of sale of Quotation.	::	05.07.2017 up to 2.00 P.M.
5.	Last date & time of submission.	::	05.07.2017 up to 3.00 P.M.**
6.	Date & time of opening of Quotation	::	05.07.2017 shortly after 3.00 P.M. **

Quotation may also be downloaded from the web site www.kolkataporttrust.gov.in. In case of any queries on the subject, a bidder may contact the under signed at bsengupta.hdc@nic.in .

Quotation is to be submitted super scribing the name of the work on the sealed cover in two part, Volume-I and Volume-II in separate envelope. Quotationer's authorised representative may be present during opening of Quotation.

The Trustees do not bind themselves to accept the lowest offer of any quotation or assign any reason thereof.

** In case of sudden declaration of Holiday due to any reason or in case of calling strike or bundh causing disruption of traffic movement and normal life on last date of submission of tender, it will stand extended to following working day.


Sr. Dy. Manager (Dock),
I&CF Division,
Haldia Dock Complex.

**KOLKATA PORT TRUST
HALDIA DOCK COMPLEX
I&CF DIVISION**

**QUOTATION FOR ENGAGEMENT OF THIRD PARTY
INSPECTION AGENCY FOR TECHNICAL INSPECTION, TESTING
& CERTIFICATION OF FENDERS TO BE SUPPLIED AGAINST
TENDER NO. SDM/DOCK/T/783 AT HALDIA DOCK COMPLEX.**

QUOTATION NO.:- I&CF/SDM/Dock/Q/837

VOLUME- I

JUNE 2017

QUOTATION FOR ENGAGEMENT OF THIRD PARTY INSPECTION AGENCY FOR TECHNICAL INSPECTION, TESTING & CERTIFICATION OF FENDERS TO BE SUPPLIED AGAINST TENDER NO. SDM/DOCK/T/783 AT HALDIA DOCK COMPLEX.

QUOTATION NO :- I&CF/SDM/Dock/Q/837

TERMS & CONDITIONS

The work as described in the quotation shall be executed in accordance with the General Conditions of Contract of HDC, Special Conditions of Contract, Particular Specifications and Drawings & detailed Bill of Quantities of the quotation.

Sealed quotations are invited on two Cover basis i.e. Cover-I Techno-Commercial Part & Cover-II Price Part .

Sealed quotation will be received at the office of the **Sr. Dy. Manager (Dock)**, I&CF up to 15:00 hrs. on the last date of submission and opening of tender specified above. Delayed offers and offers sent through fax / e-mail shall not be considered.

Sealed quotations are invited on two Cover basis i.e. Cover-I Techno-Commercial Part & Cover-II Price Part . Delayed offers and offers sent through fax / e-mail shall not be considered.

Tender documents shall be submitted under (2) two separate sealed covers i.e (1) **COVER-I** shall contain VOLUME-I and (2) **COVER-II** shall contain VOLUME-II of tender document.

Cover-I of the Tender will be opened shortly after stipulated date of submission in presence of Bidders or their authorised representatives who may wish to be present. .

Cover-II of only technically & commercially qualified bidders will be opened at a later date under due intimation to all concerned.

In case of unscheduled Holiday / Bundh on the date of opening of tenders, the same will be opened on the next working day. The Bidder will also be allowed to deposit their tenders till 15:00 hrs. on such extended day of opening.

It is stated here that the subject **QUOTATION WILL NOT BE EXTENDED FURTHER UNDER ANY SITUATION.**

Notification for issuance of any Addendum / Corrigendum to the quotation document will be given only through KoPT / HDC website and the bidders are requested to check for the same at the websites prior to submission of their offers.

Quotationers are **not permitted** to alter / change / delete / modify any clause of the quotation document. If any deviation / discrepancy are found after submission of quotation, the submitted offer will be summarily rejected. Conditional offers will not be accepted.

Kolkata Port Trust reserves the right to reject any or all offers or to accept the offer in whole or in part without assigning any reason whatsoever thereof.

1) SCOPE OF WORK:-

The Scope shall cover technical inspection, testing & certification of Fenders to be carried out at the outlet of approved manufacturer/ manufacturers and/or at the premises of the Third Party Inspection Agency (TPIA) and/or at any registered laboratory / test house approved by the Engineer followed by despatch clearance in connection with supply of Fenders to Haldia Dock complex to be used against the work **“Supply and delivery of different types of Fenders for Berth No. 2 to 13 except Berth No. 4A & 12 at Haldia Dock Complex [Tender No: - I&CF/SDM/Dock/T/783] ”** .

The scope of work interalia includes all types of inspection of **Raw material , Fixtures, Rubber Fender, Frontal Frame etc.** in line with enclosed **Particular Specifications of Contract of Volume –I of Tender Document [I&CF/SDM/Dock/T/783] [Annex.- I]** . The inspections are to be carried out on behalf of Engineer of the Contract.

The technical inspections will be carried out by the successful bidder according to the enclosed **Particular Specifications of Contract of Volume –I of Tender Document [Annex.- I]** , **Drawings H-Misc-305A(T), H-Misc-305D Fender-04(R4) & H-Misc-305D Fender-06(R4) [Annex.- II]** and **Quality Assurance Plan [Annex.-III]** .

On the basis of the inspection/test reports the TPIA shall have to certify acceptability of the entire materials as per Bill of Quantity of the tender I&CF/SDM/Dock/T/783.

The offer should be inclusive of all costs pertaining to Inspection by qualified inspector at any place in India, subsequent testing and submission of technical certification regarding acceptance of Fenders & its Fixtures including all incidental charges as required.

In case, after the acceptance of Third Party Inspection Agency, any batch of Fender, is found unacceptable by Engineer or Engineer’s Representative as per the specification of the Contract after delivery of the consignment part or full at site, the same shall have to be replaced by the approved manufacturer of the Fender **and** The Third Party Inspection Agency will have to carry out the inspection of the replaced paving blocks without any extra cost to HDC.

2) PRICE BASIS:-

The interested bidders shall quote in the Price Bid, the amount **for technical inspection, testing & certification of whole quantity of Fenders to be carried out at the outlet of approved manufacturer, manufacturers and/or at premises of the TPIA and/or at a registered test house, testing laboratory approved by the Engineer followed by dispatch clearance to site.**

This offered rate must include all payments on account of taxes (**except GST as applicable**), levies, duties, royalties etc. payable to the State of West Bengal or Government of India or any other authority or Body Corporate and all other incidental charges that the bidder may have to bear for the execution of the contract. The **GST** will be paid extra, as applicable. However, the bidder shall be required to comply with the provision of GST Law & Regulation, so that the credit of GST is available to KoPT.

The bidder should quote only in the format given in **“PRICE SCHEDULE”**, considering the **“Scope of Work”** and other terms & conditions, and the same should remain firm throughout the contract period. Price variation only on account of increase / decrease in statutory taxes / duties shall be payable on submission of necessary documents as acceptable to HDC, Ko.P.T in this regard.

3) EVALUATION CRITERIA:

Evaluation will be done on the basis of lowest quoted price (excluding GST) by the bidder. The Lowest Bidder shall generally be considered for award of contract.

4) VALIDITY OF QUOTATION :

The offer shall remain valid for acceptance for a period of **120 days** from the actual date of opening.

5) COMMENCEMENT AND DURATION OF THE WORK:-

Immediately after the award of contract, the Third party Inspection Agency shall have to commence the inspection work, on the basis of inspection call, to be given by HDC, KoPT, time to time. The Inspection has to be commenced **within 7 working days** from the date of receipt of inspection call from HDC.

The subject work will be completed within **7(Seven) months** from date of issuance of letter of acceptance to the TPIA. However, in case any extension of completion period is granted to the said contractor for completion of the project as referred hereinabove , the Inspection Agency shall have to render their service for the extended period , without any additional cost to HDC for such extension of time of completion.

6) TERMS OF PAYMENT:-

Payment shall be made in **maximum 3 (three) instalments** on submission of clear bill , supported by relevant Inspection Certificates. However, the last payment shall be made only after **Final certification of project work itself by I&CF division of Haldia Dock Complex, Ko.P.T.** In normal circumstances the payment will be made within 30 days from the date of submission of bill(s), if found in order. Any claim for interest will not be entertained by HDC with respect to any payment or balance which maybe in HDC's hands owing to any disputes between HDC and the Inspection Agency or with respect to any delay on the part of HDC in making payment.

7) INCOME TAX DEDUCTION:-

Income Tax, if any, as per the relevant provision of the Income Tax Act shall be deducted at source from any payment payable to the contractor. The bidder shall not include Service Tax , Swachh Bharat Cess & Krishi Kalyan Cess or GST in his rates. Service Tax , Swachh Bharat Cess & & Krishi Kalyan Cess or GST if applicable, shall be payable extra as per prevailing rates.

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PARTICULAR SPECIFICATIONS

E-TENDER FOR “SUPPLY AND DELIVERY OF DIFFERENT TYPES OF FENDERS FOR BERTH NO. 2 TO 13 EXCEPT BERTH NO. 4A & 12 AT HALDIA DOCK COMPLEX, HALDIA.”

1. DIMENSIONS

Dimensions of Fenders shall be as stipulated in the respective Items in the Bill of Quantities and as shown in the accompanying drawings. Dimensional tolerance shall be as indicated in the drawings.

2.1 MATERIAL

Fenders shall be manufactured out of rubber as specified in the Bill of Quantities and conforming to relevant code of practice. On testing, the rubber shall satisfy the following test values:

Specifications for chemical composition of moulded fenders

Test	Standard	Specification*
Density	ISO 2781	<u>Max 1.20 g/cc</u>
Polymer (rubber)	ASTM D6370	Min 45%
Carbon Black	ASTM D6370	Min 20%
Ash	ASTM D297	Max 5%
Rubber filler ratio		>1.2

TESTING THE PRODUCTS

Testing to be done as per Particular Specifications and Quality Assurance Plan of the quotation.

(a) BEFORE PRODUCTION:

The vendor is required to provide at least 3 pieces of tensile slab measuring 150 mm L × 150 mm W × 2 mm T for each testing. The Haldia dock will select any random sample for testing at the third party laboratory, to determine conformity of the sample with specification.

Testing will include TGA and FTIR testing to ensure compliance with the above rubber compound composition specification.

(b) AFTER PRODUCTION:

The vendor will be required to submit two samples (approximately 50 grams each collected in the presence of the buyer or a third party appointed by the buyer) from the final product. The fender will be selected at randomly for testing.

The sample does not necessarily have to be in one piece, it can be thin pieces sliced or scraped by a sharp knife, from the fender body without damaging the fender. If the fender sample collection is damaged, it should be repaired before the product is despatched.

(c) UPDATING QUALITY CONTROL PRACTICES :

In the vast majority of cases, only physical properties are tested in marine fenders. This testing is conducted at the manufacturer's laboratory before or after production. Test certificates are produced based on these test results.

To guarantee physical property test results, it's essential that a chemical composition test takes place both before and after final production.

The Table shown below is the physical property standards that must be met for the products to be considered of a high enough standard to meet fender performance and long life cycle.

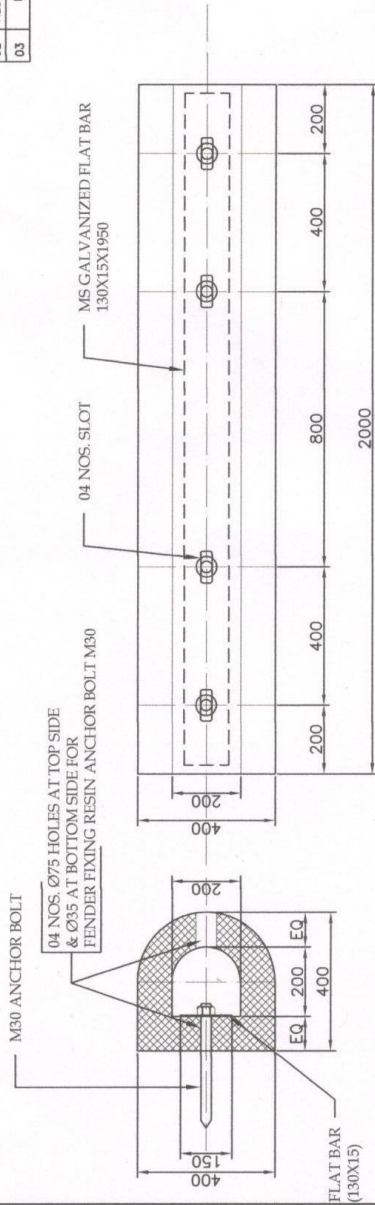
Specification for standard testing practices:

Property	Testing standard	Condition	Requirement
Tensile Strength	DIN 53504; ASTM D 412 Die C; AS 1180.2; BS ISO 37; JIS K 6251	Original Aged for 96 hours at 70°C	<u>16.0 MPa (min)</u> <u>12.8 MPa (min)</u>
Elongation at Break	DIN 53504; ASTM D 412 Die C; AS 1180.2; BS ISO 37; JIS K 6251	Original Aged for 96 hours at 70°C	350% (min) 280% (min)
Hardness	DIN 53505; ASTM D 2240; AS1683.15.2; JIS K 6253	Original Aged for 96 hours at 70°C	78° Shore A (max) Original +8° Shore A (max)
Compression Set	ASTM D 395 Method B; AS 1683.13 Method B;BS903 A6; ISO 815; JIS K 6262	22 hours at 70°C	30% (max)
Tear Resistance	ASTM D 624 Die B; AS 1683.12; BS ISO 34- 1;JIS K 6252	Original	70kN/m (min)
Ozone Resistance	DIN 53509; ASTM D 1149; AS 1683-24; BS ISO 1431-1; JIS K 6259	50pphm at 20% strain, 40°C, 100 hours	No cracks
Seawater Resistance	BS ISO 1817; ASTM D 471	28 days at 95°C	Hardness: ±10° Shore A (max) Volume: +10/-5% (max)
Abrasion	BS903 A9, Method B	3000 revolutions	1.5cc (max)
Bond Strength	ASTM D429, Method B; BS 903.A21 Section 21.1	Rubber to steel	7N/mm (min)

PERFORMANCE CHARACTERISTICS OF RUBBER FENDERS

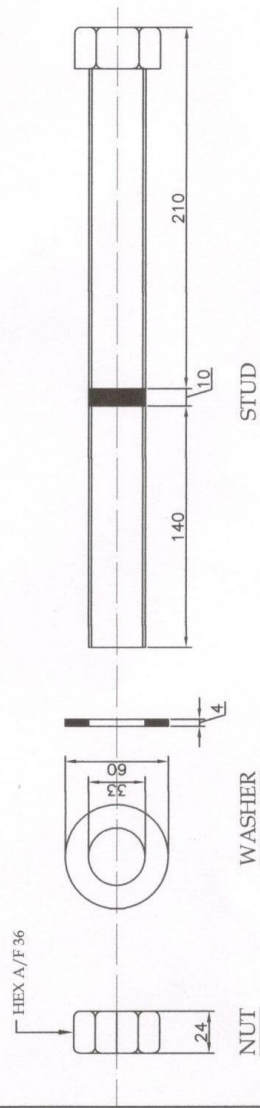
Performance Characteristics, i.e., Deflection, Reaction Force and Energy Absorption shall be as given in the respective drawings for each type of fender.

NO	D FENDER	RUBBER	01	400X400X2000mm L
01	RESIN ANCHOR BOLT	S.S 304	04	M30
03	FLAT BAR	MS GALVANIZED	01	130X15



NOTES:-

- * ALL DIMENSIONS ARE IN MM. UNLESS OTHERWISE STATED.
- * RUBBER AS PER A.S.T.M. D-2000-98C, 4AA, 717, A13, B-33, C-12
- * STEEL PLATE AS PER IS:2062, GR.B/ASTM-A-36 (GALVANIZED)
- * ALL FIXTURES ARE SS MATERIALS.
- * RASIN ANCHOR BOLT- SS 304
- * DIMENSIONAL TOLERANCE + 4%
(EXCEPT THICKNESS) -2%
- * THICKNESS TOLERANCES =+8%
-2%

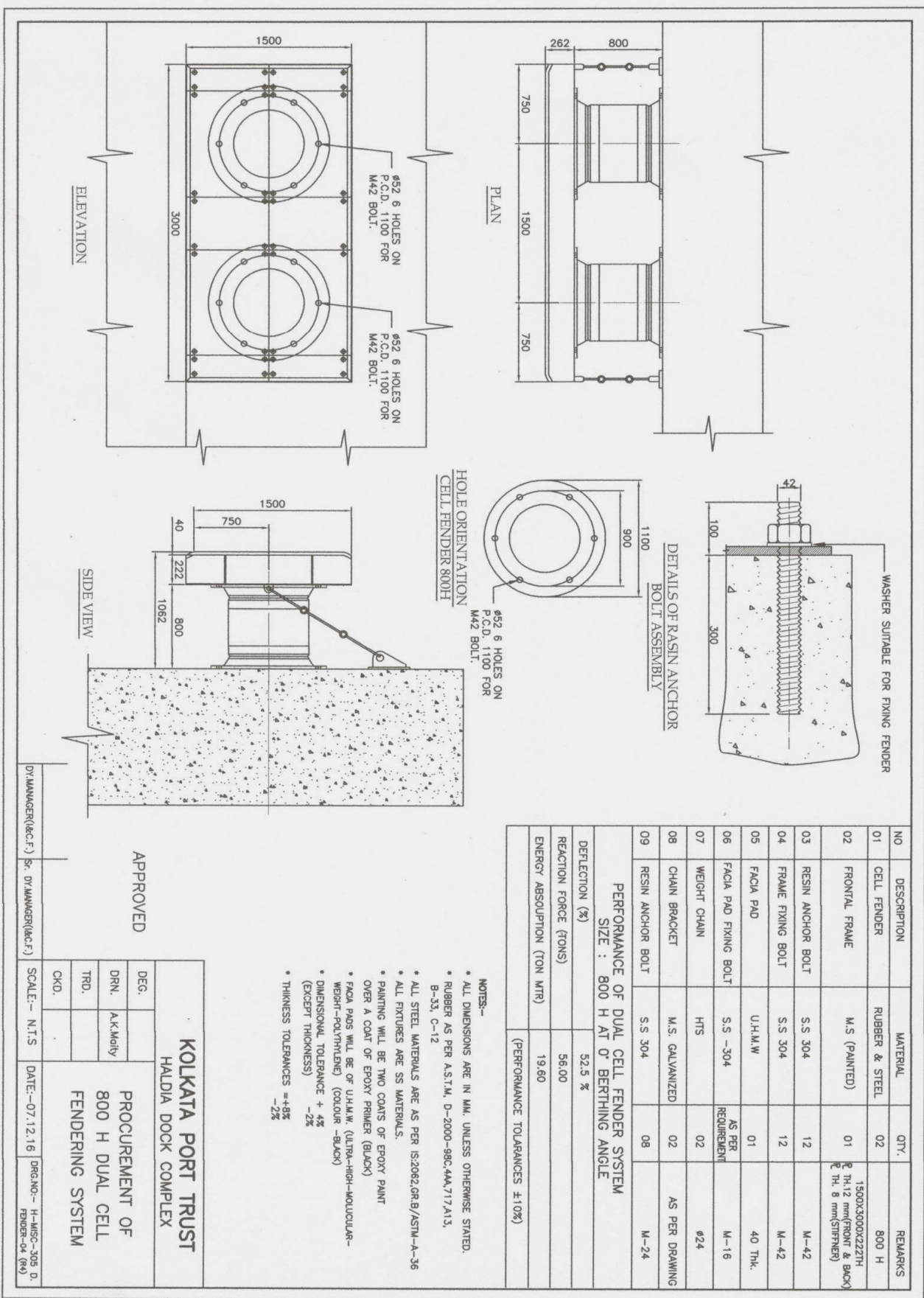


M30 RESIN ANCHOR BOLT

KOLKATA PORT TRUST
HALDIA DOCK COMPLEX

PROCUREMENT OF 'D'-FENDERING SYSTEM
SIZE (400X400X2000 MM LONG)

SCALE:- N.T.S DATE:- DRG.NO:- H-MISC-305A.(T)



NO	DESCRIPTION	MATERIAL	QTY.	REMARKS
01	CELL FENDER	RUBBER & STEEL	01	1150 H
02	FRONTAL FRAME	M.S. (PAINTED)	01	1750X2050X222TH.
03	RESIN ANCHOR BOLT	S.S. 304	08	M-42
04	FRAME FIXING BOLT	S.S. 304	08	M-42
05	FACIA PAD	U.H.M.W	01	40 THK.
06	FACIA PAD FIXING BOLT	S.S. -304	AS PER REQUIREMENT	M-16
07	WEIGHT CHAIN	HTS	02	Ø24
08	CHAIN BRACKET	M.S. GALVANIZED	02	AS PER DRAWING
09	RESIN ANCHOR BOLT	S.S. 304	08	M-24

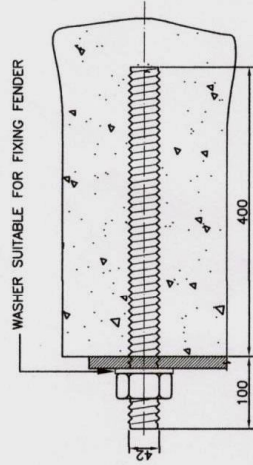
* TO SUIT THE FRONTAL FRAME

PERFORMANCE OF DUAL CELL FENDER SYSTEM
SIZE : 1150H (RUBBER GRADE:R4)

DEFLECTION	52.5 %
REACTION FORCE	58.9 TONNE
ENERGY ABSORPTION	29.7 TONNE-MTR.
TOLERANCES	±10%

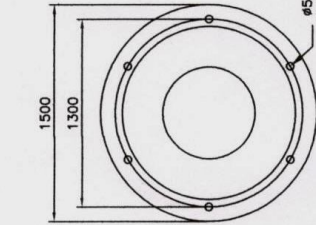
NOTES:-

- * ALL DIMENSIONS ARE IN MM. UNLESS OTHERWISE STATED.
- * RUBBER AS PER A.S.T.M. D-2000-98C, 44A, 717, A13, B-33, C-12
- * ALL STEEL MATERIALS ARE AS PER IS:2062,GR.B/ASTM-A-36
- * ALL FIXTURES ARE SS MATERIALS.
- * PAINTING WILL BE TWO COATS OF EPOXY PAINT OVER A COAT OF EPOXY PRIMER (BLACK)
- * FACIA PADS WILL BE OF U.H.M.W. (ULTRA-HIGH-MOLUCULAR-WEIGHT-POLYETHYLENE) (COLOUR -BLACK)
- * DIMENSIONAL TOLERANCE + 4%
(EXCEPT THICKNESS) -2%
- * THICKNESS TOLERANCES =+8%
-2%

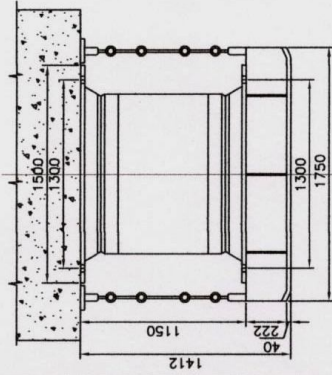


DETAILS OF RESIN ANCHOR BOLT ASSEMBLY

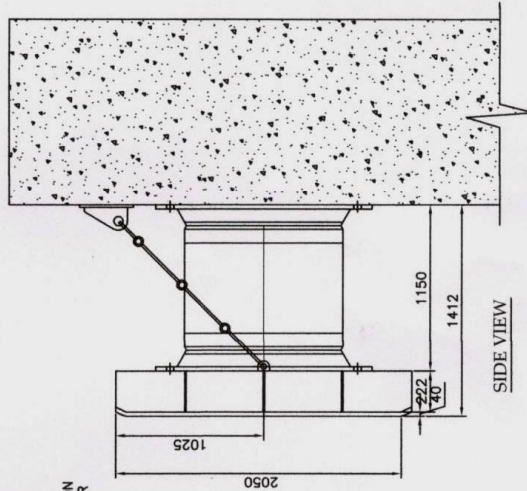
Ø52 6 HOLES ON P.C.D. 1300 FOR M42 BOLT.



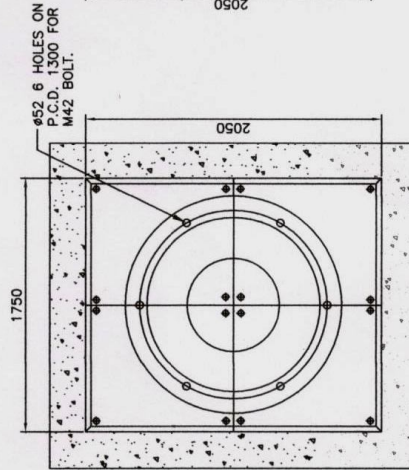
HOLE ORIENTATION
CELL FENDER DC-1150H



PLAN



SIDE VIEW



ELEVATION

KOLKATA PORT TRUST
HALDIA DOCK COMPLEX

PROCUREMENT OF 1150 H
CELL FENDERING SYSTEM

SCALE:- N.T.S	DATE:-	DRG.NO:- H-MSC-305C.(1)
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QAP NO		QUALITY ASSURANCE PLAN				FORMAT NO		
DATE						REV NO		REV DATE
ITEM						PAGES		
CLIENT								
HEL ORDER NO								
REF DRAWING NO								
LOCATION								
LEGEND:								
P-PERFORM		W-WITNESS	RW-RANDOM WITNESS		TC-TEST CERTIFICATE	TR-TEST REPORT OF EXTERNAL LABORATORY		
A-APPROVAL		R-REVIEW			TPIA-THIRD PARTY INSPECTION AGENCY			
M-MONITOR (INCLUDES WITNESS INSPECTION REVIEW OF DOCUMENTS)		H-HOLD POINTS (FURTHER OPERATION SHALL COMMENCE ONLY AFTER WRITTEN CLEARANCE FROM PROJECT QC ENGINEER)			OR-OPTIONAL RECORD			
<u>SR NO</u>	<u>ACTIVITY</u>	<u>CHARACTERISTICS</u>	<u>TYPE OF CHECK</u>	<u>FREQUENCY OF TEST</u>	<u>ACCEPTANCE CRITERIA</u>	<u>SCOPE</u>		<u>TYPE OF RECORD</u>
						<u>SUPPLIER</u>	<u>TPIA/KOPT</u>	
						-	-	
1	APPROVAL DRAWING	SUITABILITY OF DIMENSION & CONFORMITY TO THE DUTY ENYISAGED	VISUAL	..	PROJECT DRAWINGS/DESIGN DATA	H	A	APPROVED DRAWING
2	RUBBER COMPOUND							
2.1	RUBBER COMPOUND SAMPLE DRAW	COLLECTION OF SAMPLE BY TPI ENGINEER	AS PER SPECIFICATION ATTACHED	ONE PER LOT	AS PER SPECIFICATION ATTACHED	W	R	BY TPI/HDC
2.2	TESTING AT LAB	AS PER APPROVED SPECIFICATION	BY APPROVED LAB LIKE M/S IRMRA (GOVT OF INDIA),THANE, MUMBAI	ONE PER LOT	CONFORMANCE TO SPECIFICATIONS	W	R	LAB REPORT

								Page 2 of 3
SR NO	ACTIVITY	CHARACTERISTICS	TYPE OF CHECK	FREQUENCY OF TEST	ACCEPTANCE CRITERIA	SCOPE		TYPE OF RECORD
						SUPPLIER	TPIA/KOPT	
3	RUBBER FENDER							
3.1	VISUAL & DIMENSIONAL CHECK	DIMENSION AS PER APPROVAL DRAWING	PHYSICAL MEASUREMENT	PHYSICAL MEASUREMENT	AS PER APPROVAL DRAWING	W	W	INSPECTION REPORT
3.2	LOAD DEFLECTION TEST	ENERGY ABSORPTION /REACTION FORCE TESTING METHOD-CONSTANT	VISUAL /CALCULATION [AS PER TENDER DRAWINGS]	ONE PER LOT	CONFORMANCE TO SPECIFICATIONS	W	RW	LOAD TEST REPORT
3.3	RUBBER TESTING OF FINISHED FENDER	ALL PROPERTIES OF RUBBER	AS PER TENDER IN THE APPROVED LAB	ONE PER LOT	CONFORMANCE TO SPECIFICATIONS	W	RW	REVIEW BY TPI/HDC
4	FRONTAL FRAME							
4.1	STEEL ELEMENT	PHYSICAL & CHEMICAL PROPERTIES AS PER IS:2062	LAB TESTING NABL APPROVED LAB	ONE PER LOT	CONFORMANCE TO SPECIFICATIONS AS PER IS:2062	R	R	MILL/LAB TEST REPORT
4.2	VISUAL & DIMENSIONAL CHECK	DIMENSION AS PER APPROVAL DRAWING	PHYSICAL MEASUREMENT	100%	AS PER APPROVAL DRAWING	W	RW	INSPECTION REPORT
4.3	AIR LEAKAGE TEST AT 0.2 KG/CM	LEAKAGE TEST	VISUAL	100%	NO LEAKAGE & NO PRESSURE DROP	W	RW	AIR LEAKGE TEST REPORT
4.4	PAINTING/ FINISH INSPECTIONAT HEL WORKS	CONFORMANCE TO SPECIFICATIONS	DFT THK.CHECK 350 MICRON	100%	CONFORMANCE TO SPECIFICATIONS	W	R	DFT CHECK REPORT
5	CHAIN SYSTEM ASSEMBLY							
5.1	VISUAL & DIMENSIONAL CHECK	DIMENSION AS PER APPROVAL DRAWING	PHYSICAL MEASUREMENT	100%	AS PER APPROVAL DRAWING	W	RW	INSPECTION REPORT

								Page3 of 3
<u>SR NO</u>	<u>ACTIVITY</u>	<u>CHARACTERISTICS</u>	<u>TYPE OF CHECK</u>	<u>FREQUENCY OF TEST</u>	<u>ACCEPTANCE CRITERIA</u>	<u>SCOPE</u>		<u>TYPE OF RECORD</u>
						<u>SUPPLIER</u>	<u>TPIA/KOPT</u>	
5.2	PROOF LOAD TEST	PROOF LOAD	LOAD TESTING	AS PER TENDER	CONFORMANCE TO SPECIFICATIONS	W	R	PROOF LOAD TEST REPORT
5.3	HOT DIP GALVANIZING	TEST CERTIFICATE	THK. CHECK 120 MICRON MIN	100%	CONFORMANCE TO SPECIFICATIONS	R	R	HOT DIP COATING CHECK REPORT
6	FASTNERS							
6.1	STEEL ELEMENT	PHYSICAL & CHEMICAL PROPERTIES	LAB TESTING	ONE PER LOT	CONFORMANCE TO SPECIFICATIONS	R	R	MILL/LAB TEST REPORT
6.2	VISUAL & DIMENSIONAL CHECK	DIMENSION AS PER APPROVAL DRAWING	PHYSICAL MEASUREMENT	ONE PER LOT	AS PER APPROVAL DRAWING	W	RW	INSPECTION REPORT
6.3	S.S. ASTM 316 GRADE	PHYSICAL & CHEMICAL PROPERTIES	NABL APPROVED LABWITH TPI WITNESSING THE PHYSICAL TEST	ONE PER LOT	AS PER ASTM 316 SPECIFICATIONS	W	RW	LAB REPORT
7	STAMPING & MARKING	MANUFACTURER NAME / CONT E-MAIL/PROJECT NO-BATCH NO	VISUAL	100%	AS PER STANDARD PROCEDURE	R	R	—
8	REVIEW OF FINAL DOCUMENTATION PACKAGE & RELEASE FOR SHIPMENT	COMPLETION OF DOCUMENTATION	AS PER P.O	—	AS PER P.O APPROVAL DRAWING & SPECIFICATIONS	H	R	ALL REPORTS

**KOLKATA PORT TRUST
HALDIA DOCK COMPLEX
I&CF DIVISION**

**QUOTATION FOR ENGAGEMENT OF THIRD PARTY INSPECTION
AGENCY FOR TECHNICAL INSPECTION, TESTING &
CERTIFICATION OF FENDERS TO BE SUPPLIED AGAINST TENDER
NO. SDM/DOCK/T/783 AT HALDIA DOCK COMPLEX.**

QUOTATION NO.:- I&CF/SDM/Dock/Q/837

VOLUME- II

JUNE 2017

**QUOTATION FOR ENGAGEMENT OF THIRD PARTY INSPECTION AGENCY FOR
TECHNICAL INSPECTION, TESTING & CERTIFICATION OF FENDERS TO BE
SUPPLIED AGAINST TENDER NO. SDM/DOCK/T/783 AT HALDIA DOCK COMPLEX.**

QUOTATION NO:- I&CF/SDM/Dock/Q/

Sl No	DESCRIPTION OF ITEMS	Quantity	Frequency of the test
01	Sample, inspect, test & certify each Fender as per Annex.- I & II and in accordance with the specifications/dimensions mentioned in the drawings H- MISC-305A(T), H-MISC-305D-Fender-04(R4) & H-MISC-305D-Fender-06(R4). The inspection and testing shall be carried out at the manufacturer's workshop and/or laboratories of the TPIA and/ or other laboratories approved by the Engineer.		
(a)	"D" Fenders of size 400 mm X 400 mm X 2000 mm including Facia pad Bolts, Facia pad, Frame fixing Bolts, Anchor Bolts and other Fixtures.	10.0 nos.	As mentioned in the Quality Assurance Plan [Annexure-III]
(b)	Dual Cell Fenders of size 800 mm H having 1062 mm Projection from Berth concrete face including Resistant Chain Hook, 'D' Shackle, Resistant Chain, Facia Pad Bolt, Facia Pad, Frame fixing Bolts, Fender to Jetty fixing Bolts and other fixtures.	34.0 nos.	As mentioned in the Quality Assurance Plan [Annexure-III]
(c)	Single Cell Fender of size 1150 mm H having 1412 mm projection from Berth concrete face including Resistant Chain Hook, 'D' Shackle, Resistant Chain, Facia Pad Bolt, Facia Pad, Frame fixing Bolts, Fender to Jetty fixing Bolts and other fixtures.	6.0 nos.	As mentioned in the Quality Assurance Plan [Annexure-III]

TOTAL AMOUNT IN INR =

(TOTAL AMOUNT IN WORDS INR)

**Signature of the Bidder
(with Name, Designation, Date and Office Seal)**

Bank Details :

Name Of Bank: -

Branch:-

Branch Code: -

Account Number:-

IFS Code:-