

**MORMUGAO PORT TRUST
ENGINEERING MECHANICAL DEPARTMENT**

TENDER No. CME/XEN(E-H)/(ILLUM)-02/2016



**An ISO 9001 : 2008 Port
ISPS CODE Compliant**

**TENDER
FOR**

**“ILLUMINATION OF PARKING AREA NEAR CRUISE BERTH
TERMINAL BUILDING AT MORMUGAO HARBOUR”**

Due at 15.00 P.M. on 30.12.16

Website : www.mptgoa.com

MORMUGAO PORT TRUST
ENGINEERING MECHANICAL DEPARTMENT

TENDER No. CME/XEN(E-H)/(ILLUM)-02/2016

TENDER FOR “ILLUMINATION OF PARKING AREA NEAR CRUISE BERTH TERMINAL BUILDING AT MORMUGAO HARBOUR”, UNDER THREE COVER SYSTEM.

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EMD : Rs. 15,500/-

Tenders will be opened in Conference Room at the “Office of the Chief Mechanical Engineer, Mormugao Port Trust”.

Due at 15.00 PM on 30.12.2016.

**CHIEF MECHANICAL ENGINEER
MORMUGAO PORT TRUST**

MORMUGAO PORT TRUST
ENGINEERING MECHANICAL DEPARTMENT

NOTICE INVITING TENDER (NIT)

Details about tender:

Tender inviting	CHIEF MECHANICAL ENGINEER, MORMUGAO PORT TRUST
Tender No.	CME/XEN(E-H)/ILLUM-(02)/2016
Name of Work	Illumination of Parking area near Cruise Berth Terminal Building at Mormugao Harbour.
Estimated Cost	Rs. 7,75,000/-
Bidding Type	Open Tender under three cover system <ul style="list-style-type: none">• Cover I - EMD and Tender Fee• Cover II - Technical bid• Cover III – Schedule of Rates/Prices . All the covers shall be sealed in the main cover and submitted on or before the due date.
Tender Cost	Rs. 2000/- in the form of DD from Nationalized/Scheduled Banks in favour of the Financial Advisor & Chief Accounts Officer, MPT, payable at Vasco, Goa.
EMD Cost	Rs. 15,500/- in the form of DD from Nationalized/Scheduled Banks in favour of the Financial Advisor & Chief Accounts Officer, MPT, payable at Vasco, Goa. For exemption of EMD, the Certificate from SSI/MSME/NSIC or any empowered Central/State Govt. Authority shall be submitted.
Security Deposit	10 % of the contract value. Two parts: (i) 5% on contract value – to be furnished within 30 days of placement of order/LOA. (ii) 5% retention money deducted from the running bills.
Performance Guarantee	The Security deposit will be converted to Performance Guarantee for the period of one year during the Guarantee period.

Completion Period	Entire work shall be completed within Two Months from the 7 th day of receipt of LOA.
CAMC	NOT APPLICABLE
Qualifying Criteria :	<p>PRE-QUALIFICATION CRITERIA / BIDDING CONDITION</p> <p>i) The Average Annual Financial Turnover during the last Three (3) years ending 31st March 2016 should be at least INR Rs.2,32,500/-. Auditors report in original certified by CA, for the years 2013-14, 2014-15 and 2015-16 including relevant P/L a/c and balance sheet.</p> <p>ii) The Tenderer should have experience in ‘Similar Works during last 7 years ending last day of month previous to the one in which tenders invited should be either of the following:-</p> <p style="padding-left: 40px;">a) One similar completed work of contract value not less than Rs. 6,20,000/-; (OR)</p> <p style="padding-left: 40px;">b) Two similar completed works of contract value not less than Rs. 3,87,000/- each (OR)</p> <p style="padding-left: 40px;">c) Three similar completed works of contract value not less than Rs. 3,10,000/- each</p> <p>‘SIMILAR’ Works – means “Supply, installation, testing and commissioning of 20 mtrs and above High Masts in any Govt. Organization/Port Sector/Reputed Private Organisation</p> <p>PI Note: i) The Tenderers shall enclose the copy of Annual Financial Turnover for the year 2013-14, 2014-15 and 2015-16 (original copy certified by CA with P/L a/c and balance sheet).</p> <p style="padding-left: 40px;">ii) The work order copies for similar works, successful completion certificates with performance from clients indicating the date of completion, value of work done, etc.</p>
Date & Place of Pre Bid Meeting	21/12/ 2016 at 1400 Hrs at Conference Room, Office of CME.

Date of submission of bids	30/12/ 2016 at 1430 Hrs.
Date of Opening of bids	30/12/ 2016 at 1500 Hrs.
Bid Validity Period	120 days from the last date fixed for receiving the tender.
Seal and Sign the Tender documents	<ul style="list-style-type: none"> • Tender documents duly signed and sealed by authorized person for acceptance of tender without any deviation. • No addition , deletion and alteration in the documents by the bidders,
Address for communication:	<p>“ Superintending Engineer (E)- HL” Office of Chief Mechanical Engineer, Engineering Mechanical Dept., Mormugao Port Trust, A.O. Bldg, Headland Sada, Mormugao, Goa – 403804.</p>
Contact Details	Phone : 0832-2594205 ; Email : sgm1458@gmail.com
Website	www.mptgoa.com

**CHIEF MECHANICAL ENGINEER
MORMUGAO PORT TRUST**

SECTION – I

INSTRUCTION TO TENDERERS (ITT)

- 1.1 Tenders are invited on behalf of Mormugao Port Trust (MPT), from licensed electrical contractors fulfilling the Minimum Eligibility Criteria (MEC) as detailed at clause 1.5.1 of the tender document for the work of “Illumination of Parking area near Cruise Berth Terminal Building at Mormugao Harbour.”
 - 1.2 The Complete Tender document may be downloaded from the Port’s web site www.mptgoa.com. Such down loaded documents shall be considered valid for participating in the Tendering process. However, the cost of Tender Document shall be payable by separate DD along with Earnest Money Deposit (in the form of DD) and shall be submitted in separate covers, in Cover-I (Technical Bid).
Bidder is required to submit their tender offer in the form of three cover system on or before due date (Refer NIT). The tender received after the due date and time will not be entertained. The time of opening of technical bid is as indicated at NIT.
 - 1.3 The Notice Inviting Tenders (NIT) issued by MPT forms part of the Tendering Documents.
 - 1.4 The Bidder shall make his all out efforts to ensure the correctness of Documents available on the Web site. MPT is not responsible for the completeness or correctness of the Tendering Documents and their addendum, if they were not obtained directly from MPT.
 - 1.5 The Bidder is expected to examine all instructions, forms, terms, and specifications in the Tendering Documents. Failure to furnish all information or documentation required by the Tendering Documents may result in the rejection of the Tender.
- 1.5.1. MINIMUM ELIGIBILITY CRITERIA (MEC)**
- i) The **Average Annual Financial Turnover** during the last Three (3) years ending 31st March 2016 should be at least **INR Rs. 2,32,500/-**. The Auditor’s report for the last three years endorsed by Chartered Accountant shall be submitted in original for the year 2013-14, 2014-15

and 2015-16) as per Appendix -II , including relevant profit and loss statements and balance sheets.

- ii) The Tenderer should have experience in 'Similar Works during last 7 years ending last day of month previous to the one in which tenders invited should be either of the following:-
- a) **One** similar completed work of contract value not less than **Rs. 6,20,000/-;**
(OR)
 - b) **Two** similar completed works of contract value not less than **Rs. 3,87,500/-** each
(OR)
 - c) **Three** similar completed works of contract value not less than **Rs. 3,10,000/-** each

'SIMILAR' Works – means “-“Supply, installation, testing and commissioning of 20 mtrs and above High Masts in any Govt. Organization/Port Sector/Reputed Private Organisation.”

Note: i) The Tenderers shall enclose the copy of Annual Financial Turnover for last 3 years (Auditors report in original certified by CA including relevant P/L a/c and balance sheet)

ii) Work order copies for similar works, successful completion certificates with performance from clients indicating the date of completion, value of work done.

1.6 LAST DATE FOR SUBMISSION OF TENDER

Tender Document can be submitted only in the designated three cover system as per NIT.

MPT may at its sole discretion reserves the right to extend the date for receipt of tender. Tenders received after the aforesaid time and date or the extended time and date, if any, shall be returned unopened to the Bidder. Bidders to note that MPT shall not be responsible for late receipt of any offer due to postal delays or any other delay for whatsoever reasons.

1.7. BIDDER TO INFORM HIMSELF FULLY

- a. The Bidder is expected to examine carefully the contents of the tender document like Instructions to the Bidders, General Conditions, Special Conditions, Scope of work, Technical Specification etc. Failure to comply with the requirements of the tender will

be at the Bidder's own risk. It would be deemed prior to the submission of the tender that the Bidder has made a complete and careful examination of requirements and other information set out in the tender document.

- b. The Bidder is advised to get acquainted himself with the job involved at the site, like availability of labour, means of transport, communication facilities, laws and bye laws in force from Government of Goa and Govt. of India and any other Statutory bodies as well as MPT regulation for the issue of passes and collect all information that may be necessary for preparing and submitting the tender and entering into Contract with MPT.
- c. Bidder shall bear all costs associated with the preparation and submission of his tender and MPT will in no case be responsible or liable for these costs, regardless of the conduct or outcome of the tendering process.

1.8. EARNEST MONEY DEPOSIT (EMD)

- a. The Bidder shall furnish as part of its Tender, an EMD of Rs. 15,500/- Tender without EMD shall be treated invalid. The E.M.D. shall be submitted in the form of Demand draft drawn in favour of FA & CAO, Mormugao Port Trust, VASCO, from any Nationalised/Scheduled Bank, having its branch at VASCO. The **E.M.D. for amount upto Rs.5.00 lakhs shall be in the form of DD, beyond Rs.5.00 lakhs EMD shall be submitted in the form of BANK GUARANTEE** from Nationalized/Scheduled Banks in favour of the Financial Advisor & Chief Accounts Officer, MPT, payable at Vasco, Goa.
- b. To claim EMD exemption of the tenderers are required to produce an attested copy of the registration Certificate issued in the name of the firm who will submit the tender document. The exemption from the payment of EMD will be allowed only if similar work of the tender match with the enlistment statement shown in the Certificate issued by SSI/MSME/NSIC or any empowered Central/State Govt. Authority. No claims for exemption without the details stipulated above will be considered. The SSI/MSME/NSIC or any empowered Central/State Govt. Authority or any empowered Central/State Govt. Authority registration Certificate shall be submitted alongwith the bid.
- c. The EMD and cost of tender shall be enclosed in the first cover which shall be sealed and superscribed with “ **Tender for Illumination of Parking area near Cruise Berth Terminal Building at Mormugao Harbour - Cover I.**”

- d. In the event of Bidder withdrawing his tender before the expiry of tender validity period of 120 days from the date of opening of technical bid, the tender submitted by the Bidder shall be cancelled and EMD shall be forfeited.
- e. The Earnest Money Deposit of unsuccessful Bidders shall be returned on award of Contract to the successful Bidder. No interest shall be payable on the amount of E.M.D in any case. The Earnest Money Deposit of the successful Bidder shall be refunded only on receipt of Security Deposit as stipulated in the tender.
- f. MPT reserves the right to forfeit the Earnest Money Deposit in respect of successful Bidder, if he fails to furnish the necessary Security Deposit towards performance within 30 days and enter into a Contract within 45 days from the date of receipt of Letter of Acceptance (LOA).
- g. The Tenderer is required to furnish an advance stamped receipt towards refund of EMD as at Appendix –VII.

1.9. MPT'S RIGHT TO ANNUL THE BIDDING PROCESS

- a. Notwithstanding anything contained in this tender document, MPT reserves the right to annul the bidding process at any time without any liability or any obligation for such annulment, without assigning any reason.
- b. MPT reserves the right to invite revised Techno-commercial bids with or without amendment of the tender document at any stage, without liability or any obligation for such invitation and without assigning any reason.
- c. MPT reserves the right to reject any Tender if at any time, a material misrepresentation is made or uncovered OR the Bidder does not respond promptly and thoroughly to requests for supplemental information required for the evaluation of the tender.

1.10. TENDER VALIDITY

The tender shall remain valid for acceptance for a period of 120 days from the date fixed for opening of Technical Bid. MPT reserves their right to extend the period of validity for a specific time. The request and the response, there to, shall be made in writing by post or by Fax/E-mail. However, in the event of the Bidder agreeing to the request, he shall not be permitted to modify his tender. In the event of the Bidder is agreeing to the

extension, the Bidder shall correspondingly extend the validity of the tender suitably against this Tender. In case Bidders do not agree to extend the validity of their offer beyond the validity period, EMD of such Bidders shall be refunded after award of the contract.

1.11. AUTHORITY IN SIGNING TENDER DOCUMENTS

- The Price Bid to be submitted shall be signed by a person or persons duly authorized to sign on behalf of the Bidders.
- In case of tender document being downloaded from the web site, at the time of submission of the tender document, the Bidder shall give an undertaking that no changes have been made in the document as per declaration form as per Appendix-VII. He shall be issued a printed set of the Document under acknowledgement with a condition that the printed version of the Port Tender document will be treated as the authentic tender and if any discrepancy is noticed at any stage between the Port's tender document and the one submitted by the Bidder, the conditions mentioned in the Port's printed document shall prevail. Besides the Bidder shall be liable for legal action for the lapses.
- The tender, if submitted on behalf of principals or a Partnership Firm should be signed either by all the partners or some of the partners or other person/s holding a valid "Power of Attorney" from other partners or all the partners constituting the firm or the Principals as the case may be.
- In the event, the tender is signed by some of the partners or other persons or the Agents, the Tender should be accompanied by a valid Power of Attorney duly executed by partners/Principals specifying that the partners or person/s or Agents signing the tender has the authority to bind them or the firm as the case may be, in all matters pertaining to the tender.
- In case of a Company, the tender should be signed by a person holding a valid Power of Attorney executed in his favour in accordance with the constitution of the Company.

1.12. AMENDMENTS

- a. At any time, prior to the last date for submission of tenders, MPT reserves the

right to amend and modify the tender document. The amendments so carried out shall be forwarded to all the prospective Bidders prior to the last date for submission of the tender in writing either by post or e-mail including displaying the said amendment on MPT web site. The prospective Bidders shall immediately acknowledge receipt thereof either by post or mail (scanned copy with seal & sign) followed by hard copy.

- b. The amendment so carried out shall form part of the tender and shall be binding upon the Bidders. MPT may at their discretion, extend the last date for submission of the tender, to enable the Bidders to have reasonable time to submit their tender after taking into consideration such amendments.

1.13. **TEST OF RESPONSIVENESS**

The tender document issued by the Port, duly filling in all the blank spaces and duly signed on all pages with the official stamp shall be enclosed in the first cover which shall be sealed and superscribed "**Tender for Illumination of Parking area near Cruise Berth Terminal Building at Mormugao, Harbour- Cover II**", and bear on the bottom left corner, the name and full address of the Bidder with his official stamp. The Bidder should ensure that the Schedule of Prices (Price Bid) is not enclosed in Cover No.1 and 2.

(i) Prior to evaluation of Applications, the Authority shall determine whether each Application is responsive to the requirements of the tender. An application shall be considered responsive only if:

- a. It is received by the Application Due date including any extension thereof;
- b. All pages of the tender document signed, sealed, bound together in the hard copy of the Tender document;
- c. The cost of the tender of Rs 2000/- and the Earnest Money Deposit of Rs 15,500/- in the form of DD from nationalized/ scheduled bank shall be enclosed. In case EMD exemption is claimed, an attested copy of registration certificate from SSI/ MSME/ NSIC or any empowered Central / State govt. Authority to be produced.
- d. The Auditor's report for the last three years endorsed by Chartered Accountant shall be submitted in original for the year 2013-14, 2014-15 and

2015-16 as per Appendix, alongwith relevant profit and loss statements and balance sheets.

- e. Copies of work order for similar works, successful completion certificate with performance and value of work done.
 - f. Copy of valid Electrical license in the name of the contractor.
 - g. It is accompanied by the Power of Attorney, as per Appendix.
 - h. All the forms to be filled with sign and seal;
 - i. The bank details like name of bank, bank branch, type of account, bank Account no., MICR code, etc as per Appendix.
- ii) The bidder should posses a valid Service tax Registration Certificate, PAN, VAT, EPF registration and ESI registration number.
 - iii) The Bidder should not be black listed by any Government or Non Government Organization as per Appendix.

The Schedule of Prices (**Price Bid**) duly filled in with the rates shall be enclosed in the second cover (Cover 3) which shall also be similarly sealed and superscribed with “**Tender for Illumination of Parking area near Cruise Berth Terminal Building at Mormugao Harbour_– Cover-III**” and bear on the bottom left corner the name and address of the Bidder with his official stamp.

The Bidder should ensure that the Schedule of Prices (Price Bid) is not enclosed in Cover No.1 or Cover No 2. Any indication of ‘Quoted price’ in the technical bid documents shall be lead to rejection of the bid outright.

The Port Trust reserves the right to reject any tender which in its opinion is non-responsive and no request for alteration, modification, substitution or withdrawal shall be entertained by the Port Trust in respect of such Tenders.

1.14. ERRORS IN THE TENDER DOCUMENT

- a. Provided that a Tender is substantially responsive, the Port may waive any non-conformities or omissions in the Tender that do not constitute a material deviation.

- b. Provided that a Tender is substantially responsive, the Port may request that the Bidder submit the necessary information or documentation, within a reasonable period of time, to rectify nonmaterial nonconformities or omissions in the Tender related to documentation requirements. Such omission shall not be related to any aspect of the price of the Tender. Failure of the Bidder to comply with the request may result in the rejection of its Tender.
- c. Provided that the Tender is substantially responsive, the Port shall correct arithmetical errors on the following basis:
 - (i.) If there is a discrepancy between the unit price and the line item total that is obtained by multiplying the unit price by the quantity, the unit price shall prevail and the line item total shall be corrected, unless in the opinion of the Port there is an obvious misplacement of the decimal point in the unit price, in which case the line item total as quoted shall govern and the unit price shall be corrected;
 - (ii.) If there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals or arithmetically corrected sub totals shall prevail and the total shall be corrected; and
 - (iii.) If there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (i) and (ii) above.
- d. If the Bidder that submitted the lowest evaluated Tender does not accept the correction of arithmetical errors, its Tender shall be rejected.

1.15. OTHER EXPENSES

All costs charges and expenses including any duty in connection with the Contract as well as preparations and completions of Agreement by MPT's attorneys shall be borne and payable by the Bidder. Bidder shall ascertain the taxes and duties to be paid on his own before the submission of the bid. All taxes & duties, to be paid to Govt. of India, Govt. of Goa or any statutory bodies shall be paid by the Contractor for stamp duty.

1.16. CONTRACT WORKS AND CONTRACT PRICE

- a. The work to be carried out (hereinafter referred to as "the Contract Works") and the Price for the same (hereinafter called "the Contract Price") shall include the work described in the specifications, schedules, drawings, etc. annexed hereto.
- b. Except where otherwise expressly provided, the Contractor shall provide all materials, labour and Plant and things necessary in connection with the Contract work although everything may not be fully specified and although there may be errors and omissions in the specifications.
- c. **SCHEDULE OF PRICE**
 - The Schedule of price shall be read in conjunction with all other sections of bidding document. The Schedule of Price bid shall be submitted signed by a person or persons duly authorized to sign on behalf of bidders consists of all the works mentioned in the scope of works and Technical Specifications.
 - The total prices will be evaluated based on total cost.
 - The offered rates shall be inclusive of all taxes except Custom Duty and Service Tax will paid as extra as applicable. However, any new tax will be imposed by State/Central Govt. and same will be reimbursed on producing documentary proof.
- d. Bidder shall quote for the work after careful analysis of cost involved for the performance of the works as per Scope of Work, Scope of Supply, Specifications, Standards, Drawings, General Conditions of Contract and Special Condition of Contract.
- e. The Price shall include all expenditure incurred towards mobilization and demobilization.
- f. Price shall be quoted in Indian Rupees only.

1.17 LANGUAGE OF TENDER

The Tender submitted by the Bidder and all correspondence and documents relating to the Tender exchanged by the Bidder and MPT shall be written in the English language.

1.18 PRE-BID CONFERENCE

MPT shall hold a pre-bid meeting, in order to clarify and discuss issues with respect to the tender vis-à-vis terms and conditions or any other related issues. The meeting shall be held at Conference Room, Office of the Chief Mechanical Engineer, A.O. Bldg., MPT, Headland Sada 403 804 as per NIT. Bidders are advised to forward their queries to the Chief Mechanical Engineer, MPT, on or before 21.12.2016. The scheduled date of the pre-bid meeting is on 21.12.2016. If there are any further queries after Pre-Bid Conference, the same shall be submitted within the due date which will be indicated during Pre-Bid meeting. No queries will be entertained after this due date. The queries received from all the prospective Bidders would be consolidated and Port's clarification to the same would be uploaded on the website. The clarifications so issued would form part of the tender and remain binding on all the Bidders which shall be accepted and submitted by all the Bidders along with their offer.

1.19 TENDER OPENING, SCRUTINY AND EVALUATION OF TECHNICAL BID

The first cover (Cover 1) of the offer shall contain EMD and cost of tender in the form of DD and the second cover (Cover2) of the offer shall contain all the documents listed under 'Test of Responsiveness' Clause no. 1.13 based on which the Bidders will be shortlisted.

A Tender that is substantially responsive is that which conforms to the preceding requirements without material deviation or reservation. A material deviation or reservation is one (1) which affects in any substantial way, the scope, quality, or performance of the Bidder, or (2) which limits in any substantial way, inconsistent with the Tender document, or (3) whose rectification would affect unfairly the competitive position of other Qualified Applicant presenting substantially responsive bids.

Since the tender involves selection based on Minimum eligibility criteria, test of responsiveness and technical specification, the Chief Mechanical Engineer will examine and seek clarification if any and list out the firms, which are found responsive and Cover – III (Price Bid) of such tenders only will be opened and EMD will be returned to the unresponsive Bidders.

The date and time will be intimated to Bidders whose offers are found suitable and Cover – III of such Bidders will be opened.

The Fax/E-Mail offers will be treated as defective, invalid and rejected. Only detailed complete offers received prior to closing time and date of the tenders will be taken as valid.

After the tender opening, the whole process involving scrutiny, clarifications, evaluation and comparison of tenders and recommendations regarding award of Contract shall be confidential. Any efforts on part of any Bidder to influence the Port Trust in any way in the process of scrutiny, evaluation, comparison of tenders and decision concerning award of Contract may result in rejection of the Bidder's bid.

To assess the scrutiny, evaluation and comparison of tenders, the Port Trust may ask Bidder individually for clarifications. Request for clarification and response thereto, shall be in writing or through e mail followed by post or through speed post. No change in Price or substance of the tender shall be sought, offered or permitted nor is the Bidder permitted to withdraw the tender before the expiry of the validity period of the tenders in the process of clarifications.

1.20 OPENING OF PRICE BID

COVER – III DETAILS: BID (BOQ) - PRICE SCHEDULE

The date of opening of the Price cover will be intimated to the bidder who will qualify for technical cover. Price should be quoted in "Price Schedule" (as per BOQ).

1.21 EVALUATION OF PRICE BID

- a. The price quoted by the bidder shall be kept firm during the contract period. All taxes, duties and insurance shall be included in the quoted price, except the Service tax which shall be paid extra as applicable.
- b. MPT will evaluate and compare only those bids, which are substantially responsive.
- c. The price quoted by the Bidder shall be considered for the purpose of evaluation and comparison.
- d. In arriving at the final evaluated prices of the Tenders, any uncalled for lumpsum/percentage/or adhoc reduction, if any, offered by the Bidders, in the

Schedule of Price shall be considered for the purpose of evaluation. However, if such reduction/rebate is from the recommended Bidder, then such rebate shall be taken into account while awarding the work.

- e. In arriving at the final evaluated prices of the bidders, evaluation of offer will be based on the lowest price quoted.

1.22 MPT'S RIGHT TO ACCEPT OR REJECT A BID

MPT reserves the right to accept a Bid other than the lowest and to accept or reject any Bid in whole or part, to annul the bidding process or to reject all Bids with or without notice or reasons. Such decisions by MPT shall bear no liability whatsoever consequent upon such decisions.

1.23 AWARD OF CONTRACT

The Bidder, whose Bid is accepted by MPT shall be issued Letter of Acceptance (LOA) prior to expiry of Bid validity. Bidder shall confirm acceptance by returning a signed copy of the LOA. MPT shall not be obliged to furnish any information/clarification/ explanation to the Contractors as regards non-acceptance of their Bid.

**CHIEF MECHANICAL ENGINEER
MORMUGAO PORT TRUST**

SECTION – II

TECHNICAL SPECIFICATIONS

2.1 GENERAL

Mormugao Port Trust, Goa, has proposed to provide one No 20 Mtrs High Mast with LED based illumination at the parking area near Cruise Terminal building at Mormugao Harbour.

2.2 SCOPE OF WORK

The Scope of Work broadly includes:

- i) Supply, installation, testing and commissioning of 20 Mtrs High Mast along with internal double winch drum, lantern carriage, winch/power tool, control panel, head frame etc.
- ii) Casting of suitable RCC foundation for the High Mast.
- iii) Supply, Installation, testing and commissioning of LED light luminaries.
- iv) Excavation of cable trench through murrum / asphalted area / rocky area for laying LT Cables, where ever required.
- v) Laying ,testing and commissioning of L.T. cables with end termination.
- vi) Supply, Installation, testing and commissioning of Outdoor stand mounted feeder pillar with suitable canopy as per IER.
- vii) Providing suitable earthing.
- viii) All the materials/works should be supplied and executed as per relevant/latest applicable IS Standard and IER.

2.3 TECHNICAL SPECIFICATIONS:-

2.3.1 HIGH MAST

- i. Supply, installation, testing and commissioning of 20 mtrs single dip hot galvanized telescopic High Mast in two sections, with motorized double winch drum and carriage lantern suitable to install 6 Nos luminaires in symmetrical arrangement and lighting finial. High Mast to be fixed on the foundation bolts with base plate arrangement as per approved drawing and design. The High Mast shall be suitable for use in climatic conditions prevailing in Mormugao/Goa.

HIGH MAST SYSTEM

1	Height of Mast	20 Mtrs.
2	No of sections	Two
3	Material Construction	S 355 Grade as per BS-EN10 025
4	Base dia. And Top dia. (A/F)	Top: 150 mm, Bottom: 460 mm
5	Plate thickness	Top : 4 mm. Bottom: 5 mm
6	Cross section of Mast	20 side polygon (min)

7	Galvanization thickness	100 microns
8	Size opening and door at base	1200 x 250 mm
9	Diameter of base plate	670 mm
10	Thickness of base plate	25 mm
11	Lightning protection finial	G.I. single spike of length 1200 mm
12	Terminal box power control	2mm thick sheet metal box suitable to accommodate required MCBs.
13	Stopper arrangement for lantern carriage	To be provided
13	Number of foundation bolts	8 Nos
14	PCD of foundation bolts	590 mm
15	Type/Dia/length of foundation bolts	TS 600/30mm dia / 850 mm long

LUMINAIRES CARRIAGE

1	Material of construction	50 NB ERW Class B- M.S. Type
2	Diameter of carriage ring (mm)	710 mm (ID)
3	Construction	6 arm, Welded, 2 sections
4	Load carrying capacity)	6 Luminaires

(Test Reports to be furnished)

WINCH/ POWER TOOL

1	Type/SWL of winch	Double drum, SWL 750 Kg.
2	Method of operation	Integral Motor and manual
3	Motor Capacity	1 HP or more
4	No of speeds	6 Pole, Single speed
5	Torque Limitor	With mechanical tripping capacity
6	Remote control Switch PB Station	Pendant Switch

(Test Reports to be furnished)

STAINLESS STEEL WIRE ROPE

1	Grade/ construction	AISI 316, 7/19 construction
2	Number of ropes	Two continuous
3	Diameter (mm)	6 mm
4	Brake load capacity	2350 kg x 2

(Test Reports to be furnished)

- ii) There shall be no circumferential welded joint in High Mast.
- iii) The winch of the High Mast should be able to be operated manually and by a suitable handle as well as with Integral tool operation . The manual handle shall be independent of power tool.
- iv) Factor of Safety for wind load should be 1.25 . Factor of Safety for other load shall be 1.15 (as per TR No. 7) (Test report shall be produced)
- v) The detailed drawing of High Mast should be enclosed.

2.3.2 RCC FOUNDATION

The RCC Foundation for the poles shall be of M-25 type with M30 bolts mentioned above with suitable GI nuts and washers and embedded in concrete with template and GI galvanized foundation..

Type: Open Raft Shallow Footing

- Size of foundation: As per Manufacturer's design
- Designed Load Bearing capacity: 10 T per sq. m at 2 Mtrs depth
- Design safety Factor: As per IS :456
- Considered Wind pressure (Kg./Sq. mm) : As per IS :875-1987
- Considered Wind speed (KM. /hrs.) : As per IS :875-1987
- Depth of foundation: Max. 1.5 M below Ground Level

(Test report shall be produced) Before casting at site the drawings to be approved from Port's Civil Department

2.3.3 LEDS

6 Nos. LED light luminaries of 150 Watts shall be provided symmetrically on the carriage lantern. The LED lamps and LED luminaries shall be as per relevant IS Standard and the Contractor shall furnish LM-79 and LM-80 test certificates from NABL approved laboratories for the supplied LED luminaries and fittings.

Input Voltage	240V, 50 Hz
Operating voltage	140-280V, 50 Hz
Usage Hours	10-12 hours per day
Power factor	> 0.95

Life expectancy	Above 50,000 hours
Rated Wattage	150 W
Ingress protection	IP 66
Surge protection	Greater than 5 KV
THD	Less than 10%
Luminary Casing	Pressure Die cast Aluminium frame with heat resistant toughened clear glass fixed with SS screws.
Thermal Management of LED	Epoxy powder coated pressure die-cast aluminium housing with weather proof gasket for LEDs and control gear compartment.

2.3.4. OUTDOOR FEEDER PILLAR:

- i. Feeder light feeder pillar shall be suitable for 220V, 1 phase, 50 Hz supply and shall be outdoor type with canopy and shall be free standing floor type. The panel shall be double door, dust and vermin proof, of SS304 sheet (14 SWG for body and mounting plate and 16 SWG for doors, partitions and canopy). The tentative dimensions of the feeder pillar shall be 1300 mm x 1400mm x 600mm (LXHxD). Feeder Pillar shall be duly fixed on MS angle iron frame work of size 50mmX50mmX6mm (NS) 90 cm long legs out of which 45 cm duly grouted in cement concrete 1:2:4 (1 cement 2 sand 4 stone aggregate 20mm).
- ii. The pillar should have a canopy with a sloping overhang of about 0.5 mtrs on each side to prevent ingress of water.
- iii. It should be robust in construction and capable of withstanding the vibration normally experienced due to vehicular traffic.
- iv. The cubical will be required to be mounted on cement concrete plinths.
- v. Street light feeder pillar shall be provided with incoming & outgoing MCCB / MCB of appropriate rating and in desired quantity depending on total no. of circuits in use. Outgoing shall have a least one spare circuit all the time.
- vi. Street light feeder pillar shall be made up of CRCA sheet steel and shall be dust and vermin proof providing a degree of protection of IP 66. The thickness of sheet steel enclosures shall be 2 mm minimum for load bearing and 1.6 mm for other members.
- vii. A 32A TPN MCB (incomer), single dial timers, 25A TP contactor for the automatic switching of the luminaries and control circuit of power tool motor.
- viii. Internal hinged door shall be provided, where all the material & control equipment shall be flush mounted. The incomer switchgear shall have interlocking mechanism so as to

prevent opening of the door when the switch is ON and to prevent closing of the switch when the door is not fully closed. However, a device for bypassing the door interlock shall be provided to enable the operation of the switch with the door open, when necessary, for examination / maintenance.

- ix. External hinged door shall be provided with all round neoprene gasket with padlocking arrangement.
- x. All accessible live connection/metals shall be shrouded and it shall be possible to change individual fuses, switches, from the front of the boards/panels without any danger of contact with live parts.
- xi. Adequate interior cabling space and suitable removable cable gland plate (min. 3 mm thickness) plates shall be provided for bottom entry of cables through glands. Necessary number of glands to suit the required cable sizes shall be provided. Cable glands shall be double compression type made of chrome-plated brass.
- xii. Feeder pillar will have LED type 'SUPPLY ON" indicating lamps. Indicating lamps shall be of the clustered LED type and low watt consumption. Lamps shall be provided with series resistors.
- xiii. Earth bus of 50x6 GI flat with zinc plated bolts and nuts shall be provided in the bottom of the panel.
- xiv. Internal wiring of the panel shall be done using flexible copper cables of appropriate sizes. All the wires shall be numbered and ferrules shall be provided for easy identification.
- xv. Proper clip-on stud type terminals of appropriate rating shall be provided for termination of incoming as well as outgoing cable inside the feeder pillar.
- xvi. Inside the door of lighting panels a single line circuit diagram / description shall be fixed for ready reference.
- xvii. As required all sheet steel enclosures of panels will be chemically cleaned rinsed, phosphate & dried. After the treatment steel surfaces will be given two coats of primer & finished grey enamel paint or powder coating of shade 631 of IS - 5. Coating thickness shall be minimum 50 microns.

2.3.5 LAYING OF 1.1KV, 31/2 CORE X 25 SQ.MM XLPE CABLE

- i. The cable measurements are tentative and may vary as per site condition. Cable will be supplied by the Port. But the same has to be shifted from MM Depot to site by the contractor. Crane required for loading and unloading the cable will be given by the port depending on availability . The cable is to be laid from the spare panel at Cruise Terminal building to the feeder pillar at the parking area. The scope includes laying, testing and commissioning of L.T. 1.1KV, 31/2 core x 25 sq.mm XLPE type Aluminium armoured . The cables are to be laid as per IS: 1255 and as detailed under:

- ii. The cable shall be laid in earth / concrete road cutting / of size 60 cm width x 90 cm depth to lay the above cable covered with RCC trough (in case of road cutting) and re-closing with excavated soil and make it original level. The Asphalted area shall be restored by refilling, compacting, soling (15 cms) and concrete laying of mix 1:2:4 (15 cms). Required RCC Troughs shall be supplied by the Contractor. For road crossing 'C' Class G.I pipe shall be provided and shall be supplied by the Contractor. The size of pipe shall not be less than 10 cm in diameter for each cable. The pipe shall be laid at an angle to avoid sharp cable bends at the point of entry and exit.
- iii. The end termination for 1100V grade underground cables shall be of crimping type lugs shall be supplied by the contractor. The crimping type lugs shall be installed by highly skilled personnel.

2.3.6 SUPPLY AND LAYING OF 1.1KV, 5 CORE X 2.5 SQ.MM TRAILING CABLE

- i) The cable measurements are tentative and may vary as per site condition. The cable is to be laid internally from the JB of the High Mast to the LED light fittings. The scope includes supply, laying and connecting of L.T. 1.1KV, 5 Core 2.5 sq. mm. Copper EPR Insulated PVC sheathed flexible conforming to relevant IS standards with ISI mark of approved make.
- ii) Note: Test certificates from the manufacturers for the cable shall be submitted along with the supply of cable.

2.3.7 EARTH PITS AND EARTHING:

- i. The earth system shall be designed and installed so as to meet the requirement of CEA. The value of resistance of earth system should not exceed the value acceptable to the Central Electricity Authority.
- ii. The earth value shall be obtained in accordance with relevant standards and the earth values shall be measured after installation in the presence of Trust Engineer.
- iii. The earth connection shall be made of GI strip of adequate size conforming to IS 3043 to safely carry the maximum fault current for a short period without burning the conductor and pass on the fault current which is in excess of this, additional earth connections under fault condition and at no time the potential shall exceed 10 volts between the equipment and earth. The earth system shall be mechanically robust and joints shall be capable of retaining low resistance even after many passages of fault current.
- iv. Interconnections and joints for earth conductors shall be riveted and soldered for retaining low resistance.
- v. Each earth bar should be connected to the main earth through a bolted removable link. All ground connections shall be compounded and braided.

- vi. In cast iron pipe earthing with copper plate the earth electrodes shall be driven to a depth of not less than 2.7 meters below the ground level and at least 3 meters away from the building and any other earth electrodes treating the soil surrounding the electrodes with the salt, coke and charcoal in accordance with IS 3043.
- vii. The internal diameter of the cast iron earth electrode shall not be less than 100mm. The thickness of the cast iron pipe shall not be less than 13mm. The electrode shall as far as practicable be embedded below permanent moisture level and placed without overlapping the resistance area of earth electrodes. Suitable size flange shall be provided to the cast iron pipe for connecting the earth leads.
- viii. A suitable brick cemented enclosure for neutral and body earth will be as per IE Rule (i.e) 450mm x 450mm with 125mm wall thickness. The depth of the masonry work will be not less than 600mm below the ground level and with suitable cover provided by the contractor enclosing the earth electrodes and shall be able to take up the load of lorries, etc., operating in that area. The top surface of the earth pit shall be in level with the finished surface level of the surrounding area.

2.3.8 SUPPLY AND LAYING OF GI FLAT:

Supply and laying of 1 run of 50 x 6 mm GI flats from the Earth Pits to JB's of the High Mast along with 31/2core X 25 Sq.mm. cable length.

2.4 INSTALLATION, TESTING AND COMMISSIONING

Installation, testing and commissioning of the above High Mast complete with its JB, Feeder pillar, accessories/ associated items, etc. The tentative drawing/ of the Parking area is shown for reference. However, the work has to be carried out as per the site conditions.

2.5 LIST OF APPROVED MAKES:

Sr. No.	Item	Name of Manufacturers
1	Selector switches, Push buttons Emergency Switches	KAYCEE / L & T / GE / BCH / LEGRAND
2	HRC Fuses	L & T / GE / SIEMENS / ABB / INDO KOPP
3	Indicating light	AE / KAYCEE / VAISHNAV / L & T / SIEMENS
4	MCB	L & T / LEGRAND / SIEMENS / ABB / SCHNEIDER
5	Light Fixtures	PHILIPS / BAJAJ / WIPRO / CROMPTON

6	Lamps and Tubes	PHILIPS / WIPRO / BAJAJ / CROMPTON
7	Cable lug & Cable Gland	DOWELLS / JHONSON / RAYCHEM
8	Contactors	L&T / SCHNEIDER / SIEMENS/ABB / BCH
9	MCCB	L&T / SIEMENS / SCHENEIDER / ABB
10	Push Buttons	SIEMENS / ABB / TELEMECANIQUE / L&T / SCHNEIDER
11	Relays	L&T / ABB / SIEMENS / SCHNEIDER/AREVA
12	Timers	L&T / SIEMENS / TELEMECANIQUE/ABB
13	Indicating Light	L&T / SIEMENS / TELEMECANIQUE / ABB / GE
14	LT Cable (XLPE and FRLS)	UNISTAR / FINOLEX/ NICCO / HAVELLS / RPG / UNIFLEX
15	Termination Kit	BIRLA 3M / RAYCHEM /DENSON
16	Selector Switch	KAYCEE /L&T/ SIEMENS / BCH/ GE /SALZAR
17	High Mast	BAJAJ / TRANSRAIL / CG / PHILIPS
18	LED luminaries & fittings	BAJAJ / PHILIPS / CG / WIPRO
19	Aviation Lights	TLL./ Siemens/L&T
20	Winch	GE Power/Crompton/Bajaj/Transrail
21	Power Tools	GE Power/ Crompton/ Kirloskar/Bajaj
22	Items not covered above	As per samples approved

2.6 INSPECTION:

The contractor shall arrange for pre-dispatch inspection of the High Mast by the Trust Officials or as nominated by Mormugoa Port Trust.

SECTION - III

GENERAL CONDITIONS OF CONTRACT (GCC)

3.1 DEFINITION AND INTERPRETATIONS

In the Contract, as hereinafter defined, the following words and expressions shall have the meanings hereby assigned to them except where the context otherwise requires:

- a. "MPT" or "Port" or "Port Trust", means the "Board of Trustees of MORMUGAO PORT TRUST" or their successors and assigns, acting through its Chairman or any other officer so nominated by the Board.
- b. "Engineer" means the Chief Mechanical Engineer (CME) of the Mormugao Port Trust or the officer authorized by him to act for and on his behalf.
- c. Engineer-in-Charge: Officer appointed by Engineer to be in charge of the execution of work.
- d. "Contractor" means the natural person, private or Government entity, or a combination of the above, whose Tender to perform the Contract has been accepted by the Port and is named as such in the Contract Agreement or his representative who is duly authorized to deal with the contract.
- e. "Sub Contractor" means any natural person, private or government entity, or a combination of the above, to whom any part of the goods to be supplied or execution of any part of related services is subcontracted by the Contractor under intimation to the Port.
- f. "Contract" means and includes Tender Documents, Instructions to Bidders, General Conditions of Contract, Special Conditions, if any, drawings, specifications, Price Schedule and Schedules etc., any amendments/clarifications thereto, Letter of Acceptance (LOA) and the Contract Agreement entered into between MPT and the Contractor.
- g. "Contract Documents" means the documents listed in the Contract Agreement, including any amendments there to.

- h. "Contract Price" means the price payable to the Contractor as specified in the Contract Agreement, subject to such additions and adjustments thereto or deduction there from, as may be made pursuant to the Contract.
- i. "Specification" means the specification referred to in the Tender document and any modification thereof or addition thereto as may from time to time be furnished or approved in writing by the Port.
- j. "Site" means the land and other places on, under, in, or through which the work is to be executed or carried out and any other lands or places provided by the Board for the purpose of the Contract together with such other places as may be specifically designated in the Contract as forming part of the site.
- k. "Works" means the works to be executed in with the Contract.
- l "Approved/Approval" means the approval in writing.
- m. "Engineer-In-Charge" means any Officer authorised by Chief Mechanical Engineer for the work.
- n. "Drawings" means the drawings referred to in the Specification and any modification of such drawings approved in writing by the Engineer- In – Charge and such other drawings as may from time to time be furnished or approved in writing by the Engineer-In- Charge.
- o. "Tests on completion" shall mean such tests as are prescribed by the applicable Design Standards (latest editions), codes and described in the tender document, to be made by the Contractor before the equipment/items are supplied, delivered and taken over by the Port.
- p. "Writing" shall include any manuscript, typewritten or printed statement under or over signature and seal as the case may be.
- q. "Defect Liability Period" has the meaning assigned in the clause No. 3.25 of the tender document.

- r. "Month" means calendar month.
- s. "Day" means calendar day.
- t. "Letter of Acceptance (LOA)" means the formal acceptance, made by or on behalf of the Port, of the tender including any adjustments or variation to the tender agreed between the Port and the Contractor.
- u. "Foreign currency" means the currency other than Indian Currency.
- v. "Commissioning of Equipment" has the meaning assigned in clause no.2.28.1 of the tender document.
- w. "Tender" means the offer of the Contractor along with all other relevant documents as referred to in the Contract.
- x. "Related Services" means the services incidental to the supply of the goods, such as insurance, installation, training and initial maintenance and other such obligation of the Contractor under the contract.

3.2 SINGULAR AND PLURAL

Words implying the singular only also include the plural and vice versa where the context required.

3.3 HEADINGS OR NOTES

The headings in these conditions of Contract and instructions to tenders shall not be taken to be part thereof, or be taken into consideration in the interpretation, or construction thereof, or of the Contract.

3.4 ENGINEER-IN-CHARGE AND HIS REPRESENTATIVE

- a. The Engineer-In-charge shall carry out such duties in issuing decisions, certificates and orders as specified in the Contract.
- b. The Engineer may from time to time, in writing delegate to his Representative any of the

powers, discretion, function and/or authorities vested in him and he may at any time revoke any such delegation. Any written decision, instruction or approval given by the Engineer to the Contractor in accordance with such delegation shall bind the Contractor provided always that:

- i. Any failure of the Engineer to disapprove any Plant workmanship shall not prejudice the power of the Engineer thereafter such Plant or workmanship and to order the rectification thereof in accordance with these conditions;
- ii. If the Contractor shall be dissatisfied by reason of any decision of the Engineer he shall be entitled to refer the matter to the officer above the rank who will thereupon confirm, reverse or vary such decision, and the same shall be final and not arbitrable.
- iii. Wherever by these conditions the Engineer is required to exercise his discretion, by giving a decision, opinion, consent or to express satisfaction or approval, or to determine value or otherwise take action which may affect the rights and obligations of the Contractor, the Engineer shall exercise such discretion fairly within the terms of the Contract and having regard to all the circumstances. If either party disagrees with the action taken by the Engineer he shall be at liberty to refer the matter to Appellate Authority with these conditions, and the same shall be final and not arbitrable.

3.5. OBLIGATIONS OF THE CONTRACTOR

- a. The Contractor shall exercise all reasonable care and diligence in the discharge of all technical, professional and contractual duties to be performed by them under this Contract as specified in the Scope of Work within the Time for Completion and provide all labour, including the supervision and security thereof, Contractor's Equipment necessary thereof and for carrying out his obligation, so far as the necessity for providing the same is specified in or is reasonably to be inferred from the Contract. The Contractor shall be fully responsible to MPT for proper, efficient and effective discharge of their duties.
- b. Contractor shall furnish bond in the form of Bank Guarantee towards the performance of the work as per clause 3.30 of this tender document.
- c. If the Port shall consider himself entitled to any claim under the Performance Guarantee he shall forthwith so inform the Contractor specifying the default of the

Contractor upon which he relies. If the Contractor fails to remedy such default within 30 days after the receipt of such notice the Port shall be entitled to forfeit to the extent of the loss or damage incurred by reason of the default.

- d. The Contractor shall proceed with the Works in accordance with the decisions, instructions and orders given by the Engineer in accordance with the condition of the Contract.

3.6 ASSIGNMENT AND SUBLETTING

- a. The Contractor may submit the details of subletting. However the final decision will be made by MPT authority.
- b. He shall neither assign his right and interest in this present tender nor assume a fresh partner or partners, or dissolve the partnership existing between him in reference to this Contract without the written permission of MPT.
- c. In the event of any activity being sub-contracted, the total liability and responsibility for meeting obligations and performance under Contract Agreement shall rest with the Contractor. In the event of the Contractor contravening this condition, the Port shall be entitled to terminate the Contract forthwith and award a fresh Contract to some other party at risk and cost of the Contractor who shall be liable for any loss or damage which the Port may sustain in consequence arising out of such replacement of the Contractor. In such case the Performance Guarantee shall be forfeited.
- d. Such consent, if any, shall not relieve the Contractor from any liability or obligations under the Contract and he shall be responsible for the acts, defaults and neglects of any Sub-Contractor or his servants, agents or workmen fully if they were the acts, defaults or neglects of the Contractor provided always that the provisions of labour or a piecework basis shall not be deemed to be sub-letting under this clause.

3.7 PATENT RIGHTS

- a. The Contractor shall fully indemnify the Port against any action, claim or demand, costs or expenses arising from or incurred by reason of any infringement or alleged infringements of letters, patents, Design, trademark or name, copyright or other protected rights in respect of any machine, Plant, work, materials or things, system or

methods of using, fixing working or arrangement used for fixed or supplied by the Contractor in India, or elsewhere.

- b. All payments, or otherwise shall be deemed to be included by the Contractor in the Prices named in the tender and shall be paid by him to whom they may be payable.
- c. In the event of any claim being made or action brought against the Port in respect of any such matter as aforesaid, the Contractor shall be immediately notified thereof and he shall, with the assistance if he so requires of the Port, but at the sole expense of the Contractor, conduct all negotiations for the settlement of the same or any litigation that may arise from, provided that the conduct of such negotiations or litigations shall be conditional upon the Contractor giving to the Port such security as shall from time to time, reasonably required by the Port to recover the ascertained or agreed amount as the case may be of any compensation, damages, expenses and cost which might be payable by Trustees in respect of or as result of any negotiation or litigation.

3.8 GENERAL OBLIGATION OF THE PORT

In execution of the Works no person other than the Contractor, sub Contractors and his and their employees shall be allowed on the site except by the written permission of the Engineer In Charge or his authorised representative, but the Engineer in charge, his authorised representative, other authorities and officials of MPT shall be afforded to inspect all facilities arranged by the Contractor at site.

3.9 FRAUD AND CORRUPTION

The Port as well as Bidder, Contractor, Sub-Contractor and Consultants observe the highest standard of ethics during the procurement and execution of such contracts. In pursuit of this policy, MPT:

- a) Defines, for the purpose of this provision the terms set forth below as follows:
 - (i) "Corrupt practice" means the offering, giving, receiving or soliciting, directly or indirectly of anything of value to influence the action of a public official in the procurement process or in contract execution; and
 - (ii) "Fraudulent practice" means a misrepresentation or omission of facts in order to

influence a procurement process or the execution of a contract;

- b) "Collusive practice" means a scheme or arrangement between two or more Bidders designed to establish Tender prices at artificial non competitive levels and;
- c) "Coercive practice" means harming or threatening to harm directly or indirectly, persons or their property to influence their participation in the procurement process or affect the execution of a contract;
- d) Will black list a firm or individual, including declaring them ineligible either indefinitely or for a stated period of time to be awarded, if it at any time determines that they have, directly or through an agent engaged in corrupt, fraudulent, collusive or coercive practice in competing for, or executing and;
- e) Will have the right to enquire that Contractor to permit the Port to inspect their account and records and other documents relating to the Tender submission and contract performance.

3.10 COMPLETION PERIOD OF WORK

The work shall be completed within 2 months from 7th day of receipt of LOA.

3.11 RATES AND AMOUNTS INCLUDE ALL CHARGES

The rates and amounts submitted by the Bidder shall include all payments on account of taxes, levies, duties, royalties, etc., payable to the State of Goa 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 Works. The Bidders shall make their own arrangements to ascertain the applicable rates in respect of Central Excise Duty from the concerned Govt. Authorities. However, Service Tax will be extra as applicable.

3.12 ADDITIONS AND ALTERNATIONS

- a. MPT may give instructions and directions as may appear (necessary and proper) for the guidance of the Contractor and good and efficient execution of the Works under this contract without altering major conditions and scope of work of the Contract.

- b. The Contractor shall receive, obey and be bound by the same according to the true intent and meaning thereof.

3.13 EXECUTION

The Contractor shall, in consideration of payments to be made to him as herein after provided, execute and do the Works set forth as described in the scope of the work and specifications, including any amendments to tender clauses.

Bidders should obtain temporary pass from MPT Traffic Manager at Main Admin Building, third floor, Mormugao Port Trust, Headland Sada, Vasco 403 802 to gain entry into the Trust's premises if necessary.

3.14 SECURITY DEPOSIT

- (i) The contractor shall within 30 days from the date of LOA, shall furnish a DD from Nationalized/Scheduled Banks in favour of the Financial Advisor & Chief Accounts Officer, MPT, payable at Vasco, Goa towards Security Deposit. This Security Deposit will be converted to Performance Guarantee upon completion of the work if the BG of 10% of the contract value is not submitted as per Clause 3.30
- (ii) Security deposit shall consist of two parts:
- a) The DD equivalent to 5% of the contract value rounded off to nearest 100 rupees, shall be submitted within 30 days of issue of Letter of Acceptance
- b) The balance 5 % shall be recovered as Retention Money from the running bills. Thereafter, the total of 10% (DD 5% and 5 % Retention money) shall be returned after completion of Guarantee period of 1 year.
- (iii) On receipt of full deposit as arrived above in any manner aforesaid the Earnest Money submitted with the Tender will be refunded. No interest will be allowed on the earnest money from the date of its receipt until it is refunded. In the case, however for unsuccessful Tenderers, Earnest Money will be refunded, as soon as possible after the finalisation of L1 of the contract. Alternatively the successful Tenderer shall when his tender is accepted, furnish Earnest Money. The Earnest Money shall retain its character as such, till the Security Deposit is furnished by the Tenderer.

- (iv) Forfeiture of SD: The security deposit will be forfeited, if the contractor fails to fulfill any or all the conditions of this contract, without any interference from it towards all rights of the Board to recover from the contractor any other amounts falling due to the Board through non-observance/compliance by the contract conditions and any of the clause thereof by the contractor.

3.15 SIGNING OF AGREEMENT

- (i) The Contractor shall execute an Agreement with the Trust within 45 days from the date of receipt of LOA. If the Contractor, whose tender has been accepted, fails to execute an Agreement within 45 days from the date of receipt of documents for execution of the Agreement, the Earnest Money Deposit (EMD) deposited by the Bidder shall be forfeited and the Bidder shall not be allowed further to participate in the Trust's tenders.
- (ii) The cost of stamping the contract Agreement must be borne by the successful Bidder.
- (ii) The place of stamping and signing of Agreement shall be at MPT only.
- (iii) Further, if the successful Contractor undertakes, to enter into and execute, when called upon to do so, an Agreement, with such modifications as agreed upon and unless and until the formal Agreement is prepared and executed, the successful Contractor's offer, Trust order and the written acceptance for the receipt of Trust order of the successful Contractor shall form a binding Contract between the Trust and the Contractor.

The Contract Agreement shall include amended final tender document, pre- bid queries, various clarification letter, written approval by the Trust authorities, Amended to the Contract Agreement and any other conditions as agreed upon by the Trust and the Contractor.

3.16. EXTRA WORK (VARIATION)

Any extra expenses incurred in connection to the Works by MPT in the performance of

the Works owing to the neglect or omission on the part of the Contractor, in any of the case mentioned in this Contract shall be deducted from any sum due or which may thereafter become due to the Contractor or from any amount lying with them or under their control or he may be called upon to pay the amount of such extra expense to such person or persons as MPT may appoint to receive the same and in the event of the Contractor failing to make such payment, the said amount shall be recoverable from him in such manner as MPT may determine.

However, the quantity variation shall be altered $\pm 30\%$

3.17 CONTRACT DOCUMENT MUTUALLY EXPLANATORY

- a. The several documents forming the Contract are to be taken as mutually explanatory of one another and should anything appear in one that is not described in the other, no advantage shall be taken of any such omission.
- b. In case of any discrepancies or inconsistencies however appear, or should any misunderstandings arise as to the meaning and of the specifications or drawings or as to the dimensions or the quality of the material or proper execution of the Works or as to the measurement or quality and valuation of the Works executed under this Contract or as extra thereupon, the same shall be explained by the Engineer-in-charge or his authorised representative.
- c. The explanation of Engineer-in-charge or his authorised representative shall be final and binding upon the Contractor and the Contractor shall execute the Works according to such explanations, and without extra charge or deductions to/from the Prices specified in the bill of quantities and do all such Works and things as may be necessary for the proper completion of the work as implied by the specification and drawings, even though such work and things are not specifically shown and described therein.

3.18 CONTRACTOR'S EQUIPMENT

- a. The Contractor shall be responsible for supply, use and maintenance of all the equipment and he shall ensure that they are suitable for the work and are maintained in such a manner as to ensure their efficient working.
- b. MPT may, if they deem fit, direct the Contractor to remove from site any equipment

which are not efficient and/or prejudicial to the quality of the work to be replaced by equipment to their satisfaction. The Contractor shall immediately follow MPT's directions/instructions.

3.19 LABOUR

- a. The Contractor shall make his own arrangements for the engagement of all labour for doing the work at site or in respect of or in connection with the execution of work as also for the transport, housing, feeding and payment thereof. Since time is the essence of this Contract, requisite number of labour force has to be kept, so as to complete the Installation, Testing and Commissioning of the equipment within the completion period as stipulated in the tender.
- b. In the event of any outbreak of illness or an epidemic nature, the Contractor shall comply with and carry out such regulations, orders and requirements as may be made by the Government, or the local medical or sanitary authorities for the purpose of dealing with and overcoming the same.
- c. The Contractor shall at all times take all reasonable precautions to prevent any unlawful, riotous or disorderly conduct by or amongst his employees and for the preservation of peace and protection of persons and property in the neighbourhood of the Works against the same.
- d. The Contractor shall at all times during the continuance of the Contract comply fully with all existing Acts, Regulations and bye law as including all statutory amendments and re-enactment of state or Central Government and other local authorities and any other enactment and acts that may be passed in future either by the State or the Central Government or local authority, including Indian Workmen's Compensation Act, Labour Laws and Equal Remuneration Act, 1976, Factories Act, Minimum Wages Act, IE Act 1956, etc.
- e. If as a result of Contractor's failure, negligence, omission, default or non-observance of any provisions of any laws, MPT is called upon by any authority to pay or reimburse or required to pay or reimburse any amount, MPT shall be entitled to deduct the same from any moneys due or that they become due to the Contractor under this Contract or any other Contract or otherwise recover from the Contractor any

sums which MPT is required or called upon to pay or reimburse on behalf of the Contractor. All registration and statutory inspection fees in respect of his work pursuant to the Contract shall be paid by the Contractor.

- f. The Contractor shall pay the labourer engaged by him on the work not less than a fair wage, which expression shall mean, whether for time or piece work, rate of wages as may be fixed by the Labour Department of the State as per the Minimum wages Act.
- g. The Contractor or his sub-Contractor shall not employ a young child who has not completed his fifteen year of age. He/they shall also not employ an adolescent who has not completed his eighteenth year unless he is certified fit for the work as an adult as prescribed under Clause (b) of subsection (2) of section 69 of the Factories Act.1948.
- h. The Contractor shall also comply fully with the provisions of the payment of Wages Act, 1936.
- i. If any enhancement in the rates of Wages becomes payable as a result of the implementation of the Chief labour Commissioner's interpretation of the Contract, Labour (Regulation and Abolitions) Central Rules 1971 including an increase of the Wages, the same shall be borne by the Contractor/Contractors. The Contractor shall be responsible for the observance by his sub-Contractors, of the foregoing provisions/precautions.
- i. The Contractor shall make necessary arrangements for the representative of the Port and/or his representative to witness the payment made by the Contractor to his labourers. The Contractor shall also submit periodical returns of labour employed by him and wages paid, to the Port's representatives.
- k. The Contractor shall at his own expenses provide all safety gears for all labours engaged during the work and failing to do so, MPT shall provide the same and recover the cost thereof from any amount due or which may become due to the Contractor or from any amount lying with them or under their control.

3.20 FAIR WAGES

- a) The Contractor shall pay the labours engaged by him on the work not less than fair

wages which expression shall mean whether for time or piece work the respective rates of wages as fixed by the Labour Department of the State payable to the different categories of labourers. However, subject to the other provisions of any other law for the time being in force in the country, the minimum rates of wages for any person/persons shall be as applicable.

b) The Contractor shall notwithstanding the provision of any contract to the contrary cause to be paid in fair wages to the labourers directly engaged on the works including any labour engaged by the sub Contractor in connection with the said work, as if the labourer had been immediately employed by him.

c) Display of notices regarding wages etc:

The Contractor shall before he commences his work of contract, display and correctly maintain and continue to display and correctly maintain in a clean and legible condition at conspicuous places on the work site, notices in English and in the local Indian language spoken by the majority of the workers stating therein the rates of wages which have been fixed as fair wages and the hours of work for which such wages are earned and send a copy of such notices to the Port.

d) Wages book and wage slips:

The Contractor shall maintain a wage book of each worker in such forms as may be convenient but the same shall include the following particulars:-

- i) Rate of daily or monthly wages,
- ii) Nature of work on which employed,
- iii) Total No. of days worked during each wage period.
- iv) Total amount payable for the work during each wage period.
- v) All deductions made from the wages with an indication in each case of the ground for which the deductions are made. Wages actually paid for each wages period.
- vi) A wage slip for each worker employed on work provided that the Port may grant exemption from the maintenance of the wage slip, if in his opinion not more than 19 persons are likely to be employed directly or indirectly on the work but in any case he will have to maintain wage books.

e) Preservation of books and slips:

The wage book and the wage slips shall be preserved for a period of not less than 12 months after the date of last entry made in it.

f) Inspection of books and slips:

The Contractor shall allow inspection of the aforesaid wage books and wage slips to any of his workers or to an agent at a convenient time and place after due notice is received from the Engineer or any other person authorized by him on his behalf.

g) Powers of the Engineer to make investigation/enquiries:

The Engineer or any other persons authorized by him on his behalf shall have powers to make enquiries with a view to ascertaining the enforcement due and proper observance of the "Fair Wages Clause". He shall also have the power to investigate into any complaint regarding any default made by the Contractor or subContractor in regard to such provision. The Port shall have the right to deduct from the money due to the Contractor any sum required or estimated to be required for making good the loss suffered by a worker or workers by reason of non-payment of aforesaid fair wages, except on account of any deduction that may be permissible under any law for the time being in force.

3.21 PLANT AND EQUIPMENT

The Contractor shall at his own costs and expenses provide all labour, Plant, haulage, transportation of Plant and equipment to be used for executing the Contract, all materials, stores, etc., required for efficiently carrying out and completing the work to the satisfaction of MPT.

3.22 INSPECTION

- a. Only such works will be accepted and paid for which the Engineer or his authorised representative may certify to be in strict accordance with the Contract.
- b. The Engineer or authorised representative on giving seven days notice in writing to the Contractor setting out any ground of objections which may have in respect of the work, shall be at liberty to reject all or any materials of workmanship in the subject of any of the said grounds of objection which are not in accordance with the Contract.
- c. In all cases where the Contract provides for tests whether at the premises of the Contractor or any sub-Contractor or elsewhere, the Contractor except where otherwise specified shall provide free of charges such labour, materials, electricity, fuel,

water, stores, apparatus and instruments as may reasonably be demanded, to carry out sufficiently such tests of the work in accordance with the Contract and shall at all time facilitate the Engineer and his assistant to accomplish such Testing.

- d. The cost of all tests and/or analysis effected at the Contractor's or sub- Contractor's work and on the installation site shall be borne by the Contractor. The cost of independent test and/or analysis which the Engineer In-charge or his authorised representative may cause to be made and which prove satisfactory shall be borne by the Contractor and also the Contractor will be called upon to pay all expenses incurred by the Engineer in respect of any work found to be defective or of inferior quality, adulterated or otherwise unacceptable.

3.23 DRAWINGS and DOCUMENTS

- a)The list of drawings, number of copies, mode of submission, approval will be mutually agreed between the Bidder and MPT.
- b)Tenderer must clearly mention the make of material, catalogue no., if any, name and full address of the manufacturer and complete details along with tender.
- c) Copies of type tests, routine tests and special tests carried out at recognized laboratories shall be submitted with the tender offer
- d) Tenderer has to submit Authorization letter from the manufacturer with the tender document.
- e) Successful bidder has to submit Annexure A on the manufacturer's letter duly signed by the authorized signatory of the manufacturer at the time of delivery of materials.

3.24 TESTS ON COMPLETION AT MPT SITE

- a. On completion of fabrication of all items at the Contractor's premises and also when Installation/final adjustments at site are completed in accordance with the Contract, the Contractor shall give the Engineer notice in writing thereof and before making the tests on completion of 7 days' notice in writing of the date on which he will be ready to make the said tests in accordance with and in the manner prescribed in the specifications.
- b. If any portion of work fails under the tests to fulfil the Contract conditions, tests of the faulty portion shall, if required by the Engineer or by the Contractor, be repeated within

reasonable time upon the same terms and conditions.

- c. If the Contractor neglects to make the 'Performance test' within the time stipulated by the Contractor, MPT shall nevertheless have the right of using the Installations at the Contractor's risk until the 'Performance test' are successfully carried out.

3.25 DEFECT LIABILITY PERIOD

In this condition the expression 'Defect Liability Period' shall mean a Guarantee period calculated from the date certified at the time of acceptance. Defect Liability Period shall be extendable to the extent of idling of Equipment/ Facility (non-commercial use) due to non rectification of defects during the original or extended defect liability period; Reasonable period of response may be decided on case to case basis and indicated by the Port after considering the nature and type of defect, its remedial process and scope of contract.

3.26 TIME OF ACCEPTANCE

The supply, delivery and Installation of the equipment/ items at site shall be deemed to have been accepted by the Port when the same shall have been installed, tested & commissioned and the Engineer shall have issued the final acceptance certificate.

3.27 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.

3.28 NO INTEREST ON ACCOUNT OF DELAYED PAYMENTS

Any claim for interest will not be entertained by MPT with respect to any payment or balance which may be in their hands owing to any disputes between themselves and the Contractor or with respect to any delay on part of MPT in making payment.

3.29 CERTIFICATE AND PAYMENT

- (i) **COMPLETION REPORT/COMMISSIONING CERTIFICATE:** On completion of work, the Contractor will apply to the Engineer along with the commissioning certificate issued by Agency for the issue of MPT's commissioning certificate and the same will be issued

within 10 days of the completion of work in all respects, after verifying from the completion documents and satisfying himself that the work has been completed in accordance with details set out in the construction and erection drawings, and the contract documents. No completion certificate shall be given nor shall the work be deemed to have been executed until all scaffolding, surplus materials and rubbish are cleaned off the site completely.

- (ii) **PAYMENT OF CONTRACTORS BILLS THROUGH ECS** : The Bidder should submit the consent in a mandate form for receipt of payment through ECS and provide the details of bank A/c in line with RBI guidelines for the same. These details will include bank name, branch name & address, A/c type, bank A/c number, bank and branch code as appearing on MICR cheque and IFSC code no issued by bank. Further, the Bidder should also submit certificate from their bank certifying the correctness of all above mentioned information in the mandate form.

Failure on the part of the bidder to communicate changes in bank account nos. (for reasons which may include change in the constitution of a party due to amalgamations/ mergers/ take-over) or delay in receipt of communications or non-updation of bank account nos. may result in payments being made to an unrelated account for which MPT will not be responsible.

3.30 PERFORMANCE GUARANTEE TOWARDS PERFORMANCE OF CONTRACT

- (i) Within 30 days of the receipt of the notification of the award of Contract from the Port, the successful Bidder shall furnish to the Port, a Security Deposit which will be converted to Performance Guarantee, as laid down at clause 3.14 above.

The validity of such Guarantee issued, towards performance of the Contract, shall be up to a 1 year period from the date of successful commissioning and testing of the installation as per clause 3.29.i of the tender, with a claim period of 2 months thereafter.

- (ii) Failure of the successful Bidder to submit the required Performance Guarantee shall constitute sufficient grounds for termination of the Contract.

3.31 INSURANCE

The Contractor during the contract period shall provide for insurance for their material and manning upto the commissioning and taking over of the installation.

(i) **INSURANCE OF WORK AT MANUFACTURER'S SITE:**

- The Goods supplied under the Contract shall be insured fully against loss or damage incidental to manufacture or acquisition, transportation, storage, and delivery, in accordance.
- The Contractor shall insure with the General Insurance Corporation of India or any other insurance company approved by IRDA or its branches in appropriate Indian currency, if any, subject to the conditions that the premium will be payable to the corporation in Rupees such materials, tools, Plants and things ordered from the works till they are delivered at site and then those for the works may for the time being on site and shall keep them insured in his own name and that of MPT against destruction or damage by accident, fire, flood and tempests for the full value of such materials, Plants and things until the same to be taken over by MPT from time to time, when so, required by MPT produce the policy and receipt for the premium. All money received under any such policies shall be applied in or towards the reconstruction or preparation of the materials, Plant and things destroyed or damaged, but this provision shall not affect the Contractor's liabilities under contract.
- Unless the Port shall have approved in writing other arrangements, the Contractor shall, insure, so far as reasonably practicable the Works and keep each part thereof insured as may be mutually agreed between the Port and the Contractor against all loss or damage from whatever cause arising, until the materials are received at Port's site in good condition duly certified by the Third party inspection agency. The value of such insurance shall be at least equal to 110% of the contract price.

- (ii) **INSURANCE DURING INSTALLATION AT SITE:** The Contractor shall so far as reasonably practicable insure against the Contractor's liability in respect of any loss or damage occurring whilst the Contractor is at Port's site for the purpose of making good a defect or carrying out the tests on completion during the installation & commissioning of the equipment at Port's site or for the purpose of completing any outstanding work and against any loss or damage arising during the defects liability period from a cause occurring prior to the taking over of the installation by MPT. For all practical purpose

such insurance, during Defect Liability Period, shall be from an Indian Insurance Company. The value of such insurance shall be at least equal to 110% of contract price.

(iii) **INSURANCE AGAINST THIRD PARTY LIABILITY AT SITE:**

- a. Before commencing the execution of work, the Contractor shall insure covering Third Party Liability (TPL) against any damage or loss or injury which may occur to the equipment being shifted/ installed or to any property or to any person (including property and employees of the Port) by or arising out of the execution of the Works or temporary Works in carrying out of the Contract. The value of TPL policy shall be Minimum against occurrence of each incidence. The Contractor shall revalidate the insurance coverage after each incidence and keep the insurance coverage till certification.
- b. Such insurance shall be effected with an Indian Insurance Company and in terms approved by the Port Trust & Bidder shall submit the copy of policy of insurance to Engineer-In-Charge before arrival of equipment at site and shall be valid till Final Acceptance Certificate.

3.32 WORKMEN'S COMPENSATION

The Contractor shall indemnify MPT in the event of the Trustees being held liable to pay compensation for injury to any of the Contractor's servants or workmen under the Indian Workmen's Compensation Act 1923 as amended from time to time and shall take out an Insurance Policy covering all risks under the Act and shall keep the same renewed from time to time as necessary for the duration of the contract and produce the same to the Port on demand whenever so required.

3.33 DEFAULT OF THE CONTRACTOR

As event of default, the contractor fails to execute the terms and conditions and obligations under the contract within the period as specified in the contract, or any extension granted by the Board.

3.34 MPT's LIEN

MPT shall have a lien on over all or any money that may become due and payable to

the Contractor under this Contract or any other Contract or from any amount lying with them or under their control and in respect of any debt or sum that may become due and payable by the MPT to the Contractor either alone or jointly with another or other and either under this Contract or under any other Contracts or transaction of any nature whatsoever between MPT and the Contractor.

3.35 SETTLEMENT OF DISPUTES

- (i) If any dispute of difference of any settlement of kind whatsoever shall arise between the Chief Mechanical Engineer and the Contractor in connection with or arising out of the contract or the carrying out of the works (whether during the progress of the works, after the termination, abandonment of or breach of the contract) it shall in the first place be referred to be settled by the Chief Mechanical Engineer who within a period of 60 days after being requested by the contractor shall give written notice of his decision to the contractor, if the Chief Mechanical Engineer shall fail to give notice of his decision as aforesaid within a period of 60 days after being requested by the contractor as aforesaid or if the contractor be dissatisfied with any such decision then any such case, the contractor shall, within a further period of 30 days from the expiry of the first 60 days from the date of receipt of Chief Mechanical Engineer's decision, write to the Chairman putting forth his views why he is not in agreement with the decision given by the Chief Mechanical Engineer.
- (ii) If the contractor, after receiving notice of the decision of the Chief Mechanical Engineer does not refer the dispute to the Chairman seeking his decision, within a period of 30 days of the Chief Mechanical Engineer's decision then the Chief Mechanical Engineer's decision will be final and binding upon the contractor, and no further claim will exist thereto.
- (iii) The Chairman shall, within a period of 60 days from the receipt of the request from the contractor, give written notice of his final decision in the matter under dispute to the contractor. If the Chairman fails to give written notice of his final decision within a period of 60 days after being requested by the contractor as aforesaid or if the contractor be dissatisfied with any such final decision given, then the contractor may within a period of 30 days after the expiry of the period of 60 days from the date of his application to the Chairman or within a period of 30 days after receiving notice of such final decision, as the case may be, require that the matter or matters in dispute be referred to arbitration as herein after provided. If the Chairman has given the written notice of his final decision

to the contractor, and no claim to the arbitration has been communicated to the Chairman by the contractor, within a period of 30 days from the receipt of Chairman's decision the said decision shall remain final and binding upon the contractor. If the Chairman fails to give written notice of his final decision to the contractor within a period of 60 days and no claim to the arbitration has been communicated to the Chairman or the Chief Mechanical Engineer by the contractor within a period of 30 days thereafter, then the decision given by the Chief mechanical Engineer shall remain final and binding upon the contractor as hereinafter provided such decision in respect of every matter as referred shall be final and binding upon the contractor until the completion of the work and shall forthwith be given, effect to by the contractor who shall proceed with the works with all the diligence whether he requires arbitration as hereinafter provided or not.

(iv) All disputes or differences in respect of which the decision (if any) of the Chief Mechanical Engineer or the Chairman has not become final and binding as aforesaid shall be referred to the sole arbitration of Mechanical Engineer serving or retired of Central Government agencies, including Defence Service and or a member of Indian Council of Arbitrators, to be appointed by Chairman pursuant to and so as with regard to the mode and consequence of the reference and in all other respects to conform to the provisions of the Government of India Arbitration Act, 1940 (Act No. 10 of 1940) or any reenactment of statutory modification thereof for the time being in force. The sole arbitrator shall have full power to open up, review, and revise any decision, opinion, direction, certificate or valuation of the Chief Mechanical Engineer or the Chairman neither party, shall be limited in the proceedings before the Arbitration to the evidence or arguments put before the Chief Mechanical Engineer or the Chairman or the purpose of obtaining his decision. No decision given by either the Chief Mechanical Engineer or the Chairman in accordance with the foregoing provisions shall disqualify them from being called as a witness and given evidence before the sole Arbitrator as aforesaid.

(v) The Arbitrator shall not enter on the reference until after the completion or the alleged completion of works, unless with the written consent of the Board/Chairman/Chief Mechanical Engineer and the contractor provided always:- In the event of the Arbitrator to whom the matter is originally referred, is unable to act for any reason, the Chairman shall appoint another Engineer serving or retired of Central Govt. Agencies including Defence Service and or a member of Indian Council of Arbitrators as Arbitrator and he shall be entitled to proceed with the reference afresh or from the stage at which it was left by his predecessor. In all cases, the Arbitrator shall give a speaking/reasoned award.

3.36 EXTENSION OF TIME

- (i) The Contractor shall commence the works on site within the period indicated in the tender after the receipt of an order in writing to this effect from the Engineer and shall proceed with the same with due expedition and without delay except as may be expressly sanctioned or ordered by the Engineer or be wholly beyond the control of the Contractor.

- (ii) The Contractor shall maintain the rate of progress required as per schedule. If the progress of work is held up owing to circumstances, which in the opinion of the Engineer are beyond the control of the Contractor such as war, stormy weather and for other reasonable causes in the opinion of the Engineer, the Engineer may at his discretion, grant to the work extension of time as he considers reasonable for the completion of the work. In such circumstances, the Contractor shall apply for extension of time within fifteen days of the hindrance on account of which he desires such extension as aforesaid.

- (iii) The execution of the work during the extended period also, shall be only under the conditions and at the rates specified in the contract.

- (iv) No claim shall be made by the Contractor on the grounds of executing the work beyond the completion period stipulated in the contract.

3.37 ARBITRATION

Disputes if any, between MPT and the Contractor during the currency of the Contract or after the completion of the work or abandonment thereof shall be settled in accordance with Indian Arbitration & Conciliation Act, 1996 or any statutory modification or re-enactment thereof and rules made there under and for the time being in force shall apply to arbitration proceedings under this Contract. The disputes so raised shall be referred to a panel of two arbitrators, of which one to be appointed by MPT and other by the Contractor. The arbitration proceeding shall take place in Goa or at Administration Building, MPT only, and the same shall be under jurisdiction of High Court of Goa.

3.38 TERMINATION OF CONTRACT

If the Contractor does not perform the Contractual obligations satisfactorily, as far as Commissioning the equipment for commercial use within stipulated time frame, the Contract is liable to be terminated after issue of notice of 60 (Sixty) days to the Contractor and the Security deposit will be forfeited.

3.39 FORCE MAJEURE

If the Supply, Installation, Testing and Commissioning of equipment is hindered due to force majeure such as, war, riots, civil commotion, fire, epidemics, natural calamities like rain, flood, earthquake, cyclone, draught, etc. such period shall be exempted from Completion period of this tender document.

3.40 LABOUR LAWS

The Contractor shall comply with all the provisions of the Labour Laws and the rules and regulations made there under as amended from time to time and as applicable from time to time with regard to the employees to be deployed by the Contractor during contract period.

3.41 OUTBREAK OF WAR

If during the currency of the Contract, there shall be an outbreak of war (whether war is declared or not) in any part of the world which, whether financially or otherwise, materially affects the execution of the Works, the Contractor shall, unless and until the Contract is terminated under the provision in this clause contained, use his best endeavours to complete the execution of the Works, provided always that either MPT or the Contractor shall be entitled, at any time after such outbreak of war, to terminate this Contract by giving notice in writing to the other, and upon such notice being given this Contract shall terminate, but without prejudice to the rights of either party in respect of any antecedent breach.

3.42 MISTAKE IN CONTRACTOR'S DRAWING

The Contractor shall be responsible for and shall pay for any alterations of the work due to any discrepancies, errors or omissions in the drawings or other particulars supplied by

him, whether such drawings or other particulars supplied by him, have been approved by the Engineer or not.

3.43 DEFAULT OF MPT

Interfering with or obstructing the written approval in this Contract, the Contractor shall be entitled without prejudice to any other rights or remedies to terminate his employment under the Contract by giving 90 (Ninety) days prior notice in writing to Port.

3.44 AMENDMENT

No amendment or other variation of the Contract shall be valid unless it is in writing, is dated, expressly refers to the Contract, and is signed by duly authorized representative of each party thereto.

3.45 SEVEREBILITY

If any provision or condition of the Contract is prohibited or rendered invalid or unenforceable, such prohibition, invalidity or unenforceability shall not affect the validity or enforceability of any other provisions and conditions of the contract.

3.46 ACCEPTANCE OF OFFER

The Contractor shall acknowledge the receipt of Order/ LETTER OF ACCEPTANCE within 7 days of mailing of the same and any delay in acknowledging the receipt will be a breach of contract and compensation for the loss caused will be recovered by MPT by forfeiting the Earnest Money Deposit/Bid bond.

3.47 SUB-LETTING OF THE WORK

The bidder shall indicate in his offer the works, which he intends to sublet to the sub-Contractors. The Contract Agreement will specify the major works for which the Contractor proposes to engage the Sub-Contractor. The Contractor from time to time propose any addition or deletion to the list and will submit proposals in this regard to the Engineer-in-Charge for approval well in advance so as not to impede the progress of work. Such approval of the Engineer-in-Charge will not relieve the Contractor from any of his obligations, duties and responsibilities under the contract.

3.48 SUB-CONTRACTOR

At the commencement of the job the Contractor shall supply to the Engineer-in-Charge, list of all sub-Contractors or other persons or firms engaged by the Contractor to work at the Site. Any bidder who had submitted the bid for this tender and does not get the contract because of his being not the lowest will be prohibited from working as sub-Contractor for execution of this contract. List of Contractors shall be provided for in the Contract Agreement.

3.49 FAILURE OF THE CONTRACTOR

If the Contractor fails to complete the work and the order is cancelled, the amount due to the Contractor on account of work executed, if payable, shall be paid only after due recoveries as per the provisions of the contract and that too after alternative arrangements to complete the work has been made.

3.50 ACTION AND COMPENSATION PAYABLE IN CASE OF BAD WORK

The work during its progress (or) during the defect liability period can also be inspected by the Chief Technical Examiner (or) his authorised representatives of the Central Vigilance Commission of MPT and any defects pointed out by him shall be attended by the Contractor.

3.51 TERMS OF PAYMENT

3.51.1 Payment shall be released on furnishing performance Bank Guarantee and signing the Agreement by the Bidder as per the following terms :

- i) 70% of payment shall be released against supply of materials at site in good condition.
- ii) 20% of payment shall be released against successful installation, testing and commissioning of the work.
- iii) Balance 10% of the payment will be released after taking over of the complete work.

3.52 GUARANTEE

The Guarantee period shall be 1 year from the date of taking over of the work. The repair/replacement shall be carried out in mutual consultation with the Engineer In-charge.

3.53 LIQUIDATED DAMAGES

In the event of failure by the contractor to complete the execution of the work within the time stipulated in the contract or by the expiry of any period of extension granted by the Board's terms thereof, the contractor shall pay the Board as Liquidated Damages and not by way of penalty for delay to complete the work, a sum of 1% of contract price per week or part thereof subject to a maximum of 10% and the Board shall have the power to deduct this amount from the payment of the amounts due to the contractor or from his deposit.

3.54 FACILITIES PROVIDED BY PORT

- a) Free Electric Power in A.C., three/ single phase, 440 V, 50 cycles will be provided for welding and execution of the contract work subject to availability. However, contractor shall arrange all cabling switch gears, etc. for power supply to his equipment at his own arrangement by their expenses for execution of contract works.
- b). Contractor shall avail the port equipments / Mobile Crane on chargeable basis as per Scale of Rates subject to availability.
- c) Water supply shall be arranged the contractor by their own for execution of work.
- d) Accommodation, if required, shall be provided in the Port quarters to the contractor/his employees, on chargeable basis as per prevailing Scale of Rates subject to availability.

3.55 CRECHE FACILITIES

The Contractor shall provide 'Creche' facilities at the camp offices/work site to the children of working mother.

**CHIEF MECHANICAL ENGINEER
MORMUGAO PORT TRUST**

SECTION - IV

SPECIAL CONDITIONS OF CONTRACT (SCC)

- 4.1 The Tenderer shall examine carefully the General Rules and Directions, General and Special Conditions of Contract, Technical Specifications and Drawing and shall inspect the site to acquaint himself with the nature of work local working conditions etc., for the purpose of making his offer on his own responsibility.
- 4.2 It shall be open to the Chief Mechanical Engineer to nominate one or more of his representatives to supervise the work and to satisfy about the quality of materials and workmanship as required by the relevant regulation and as mentioned in technical specifications. The decision of the Chief Mechanical Engineer shall be final as regards the quality of materials and workmanship shall be binding on the Tenderer.
- 4.3 The prices shall be firm and not subject to fluctuation at any stage till the completion of the contract. The prices quoted must be filled in ink both in figures and words in the Schedule of prices attached with the Tender document. The prices quoted shall be inclusive off taxes, duties, freight, insurance, unloading etc and any correction shall be supported by the tenderer's signature there against.
- 4.4 The Tenderer shall provide any items, which have not been specifically mentioned in the specification, but which are found necessary for completion, efficient installation and operation of works shall be deemed to be included in the contract without incurring any additional expenditure to the Port.
- 4.5 The tender shall be accompanied by sufficient details of materials included in the offer with catalogue and sketches wherever necessary for comprehensive assessment of its merits and performance.
- 4.6 It will be entirely the Tenderer's responsibility to take required steps to adequately safeguard the personnel carrying out the work and to ensure that the work is carried out in such a manner that maximum safety to the personnel is assured.

- 4.7 The decision of the Chief Mechanical Engineer or his representative regarding the quality of any materials used on the work will be final and binding on the Tenderer. The Tenderer shall remove from the site of work any material rejected as unfit for use on the work at his own cost as soon as he is ordered to do so, failing which the Chief Mechanical Engineer or his representative shall remove such material from the site of work and shall deduct the cost incurred by such removal by the Board from any money due to the Tenderer.
- 4.8 The Tenderer shall co-ordinate his work with that of other Tenderers executing other works in the site and plan his work as to minimise inconvenience to others in the work site.
- 4.9 The watch and ward and storage of materials will be Tenderer's responsibility and the Board shall not be held responsible for any loss of the material.
- 4.10 The Tenderer shall be deemed to have satisfied himself before submitting the tender as to the correctness and sufficiency of his tender for the work and of his price stated in the schedule as to cover his entire obligation under the contract for completion of the work.
- 4.11 The gate entry pass for inspection for the purpose of making the offer or for the execution of work for successful Tenderer, the Tenderer shall contact the **Chief Mechanical Engineer, Office of Chief Mechanical Engineer, Engineering Mechanical Dept., Mormugao Port Trust, A.O. Bldg, Headland Sada, Mormugao, Goa – 403804.** Ph. __0832-2524215_____, Fax. 0832-2521175. The gate entry pass shall be on chargeable basis as per Scale of rates.

**CHIEF MECHANICAL ENGINEER
MORMUGAO PORT TRUST**

SECTION - V

PRICE SCHEDULE (BILL OF QUANTITIES)

Sr No	Description	Unit	Qty	Rate	Amount
1.	Supply, installation, testing and commissioning of 20 mts High Mast as per Technical Specifications.				
a.)	Supply	Nos.	01		
b.)	Installation, testing and commissioning	Nos.	01		
2.	Casting of suitable RCC foundation, M-25 with proper earthing SS bolts/nuts /washers etc., as per Technical Specifications.	Nos.	01		
3.	Supply, Installation, testing and commissioning of LED light luminaries as per Technical Specifications				
a.)	Supply	Nos	06		
b.)	Installation, testing and commissioning	Nos	06		
4.	Supply, Installation testing and commissioning of double drum winch integral power tool motor, manual handle as per Technical specifications				
a.)	Supply	Nos	01		
b.)	Installation, testing and commissioning	Nos	01		
5.	Supply, installation, testing and commissioning of Twin dome aviation GLS obstruction lights				
a.)	Supply	Nos	01		
b.)	Installation, testing and commissioning	Nos	01		
6.	Supply of following EPR insulated LT cable , as per Technical Specifications and confirming to relevant IS specifications				
a.)	5C x 2.5 sq. mm.	Mtrs.	40		
7.	Laying, testing and commissioning of following cable sizes as per Technical Specifications and confirming to relevant IS standards.				
a.)	10 to 50 sq. mm.	Mtrs	350		

8.	Supply, installation, testing and commissioning of Outdoor stand mounted feeder Pillar with suitable canopy as per Technical Specifications				
a.)	Supply	No	01		
b.)	Installation, testing and commissioning	No	01		
8.	Providing Earth Pits as per technical Specifications and relevant IS standards.	Nos.	02		
	TOTAL				

Note: The offered rates shall be inclusive of all taxes except Service Tax which will have to be paid/reimbursed by MPT as applicable. However, any new tax will be imposed by State/Central Govt. and same will be reimbursed on producing documentary proof

TENDER FORM

NOTE : Tenderers are required to fill up all the blank spaces in this tender form.

To

**The Chief Mechanical Engineer,
Office of Chief Mechanical Engineer,
Engineering Mechanical Dept., Mormugao Port Trust,
A.O. Bldg, Headland Sada,
Mormugao, Goa – 403804**

1. **Having examined the instructions to Tenderers, General conditions of contract, Specifications and Schedules attached to the “TENDER FOR ILLUMINATION OF PARKING AREA NEAR CRUISE BERTH TERMINAL BUILDING AT MORMUGAO HARBOUR “ in conformity with said conditions of contract, specifications, etc. at rates for items or work in the schedule of items of work and rate attached herewith, we guarantee satisfactory performance.**
2. We shall undertake for **“TENDER FOR ILLUMINATION OF PARKING AREA NEAR CRUISE BERTH TERMINAL BUILDING AT MORMUGAO HARBOUR”** with all equipment, spares, etc., Entire work shall be completed within 2 months from 7th day of issue of LOA.
3. We further undertake, if our tender is accepted, we will deposit within 30 days from the date of receipt of order Demand Draft from any scheduled/ Nationalized Bank in favour of Financial Advisor & Chief Accounts Officer, MPT payable at Vasco, Goa” only to the extent of 10% of the tender price in the manner set forth in the conditions in the ITT as Security Deposit.
4. We further undertake, if our tender is accepted to enter into and execute within 45 days, on being called upon to do so, an agreement in the form annexed and the conditions of contract with such modifications as agreed upon.
5. Unless and until a formal agreement is prepared and executed the firm’s tender & MPT’s Letter of Indent will form Legal binding on the Tenderer.
6. We agree to abide by this tender for the period of 180 days from the date fixed for receiving the same.

7. We agree to deposit Earnest Money as per the Port's terms and conditions.

8. We further agree that in the event of our withdrawing the tender before the receipt of the final decision or in the event of failing to deposit the security deposit in such form as contained in the instructions to Tenderers or in the event of our tender being accepted, fail to execute an agreement in the form aforesaid within 45 days from the date of receipt of order to commence work, the deposit of Earnest Money shall stand forfeited to the Port.

9. We understand that you are not bound to accept the lowest or any tender you may receive.

Dated theday of.....in the capacity
of.....duly authorized to sign tender for and on behalf of.....

(IN BLOCK CAPITALS)

Signature

Witnesses

Address

ANNUAL TURNOVER STATEMENT

The bidder shall indicate herein his annual turnover during preceding 3 years based on the audited balance sheet/profit & loss account statement.

FINANCIAL YEAR	ANNUAL TURNOVER (RS.)	NET WORTH (RS.)

NOTE:

1. Copies of audited balance sheets with Profit & Loss account statement for last 3 years are enclosed along with the bid.

SIGNATURE OF CHARTERED ACCOUNTANT :

NAME OF CHARTERED ACCOUNTANT :

COMPANY SEAL :

FORM OF AGREEMENT

MEMORANDAM OF AGREEMENT made this day of two thousand at Vasco, Goa BETWEEN the Board of Trustees of the Mormugao Port Trust, Mormugao Goa, a body corporate under Major Port Trusts Act of 1963 (hereinafter called the Board which expression shall, unless excluded by or repugnant to the context be deemed to include their successors in Office) of the one part

AND

(hereinafter called the "CONTRACTOR" which expression shall unless excluded by or repugnant to the context be deemed to include his heirs, executors, administrators, representatives and assigns or successors in Office) on the other part.

WHEREAS the Board is desirous of "Illumination of Parking area near Cruise Berth Terminal Building at Mormugao Harbour "

WHEREAS the Contractor has offered to execute, complete and maintain such works and whereas the Board has accepted the tender of the contractor and where as the contractor has deposited a sum of Rs. /- (Rupees as security for due fulfilment of all the conditions of this contract.

NOW THIS AGREEMENT WITNESSES as follows:

1. In this agreement Words and expressions shall have the same meanings as are respectively assigned to them in the condition of the contract hereinafter referred to.
2. The following documents shall be deemed to form and be read and construed as part of this agreement viz.
 - a. Technical Specifications
 - b. Schedule of Rates/Prices
 - c. General Conditions of Contract
 - d. Special Conditions of Contract

3. The Contractor hereby covenants with the Board to construct, complete and maintain the Works' in conformity in all respects with the provision of the agreement.
4. The Board hereby covenants to pay the Contractor in consideration of such construction, completion and maintenance of the works, the "Contract Price" at the times and in the manner prescribed by the contract.

IN WITNESS WHEREOF, the parties hereunto have set their hands and seals the day and year first above written.

THE COMMON SEAL OF THE BOARD WAS	}	
HEREUNTO AFFIXED AND THE CHIEF	}	CHIEF MECHANICAL ENGINEER
MECHANICAL ENGINEER THEREOF,	}	MORMUGAO PORT TRUST

SIGNING IN THE PRESENCE OF :

- i) _____
- ii) _____

SEALED AND SIGNED BY THE	}	
CONTRACTOR IN THE PRESENCE	}	CONTRACTOR
OF :-	}	

- i) _____
- ii) _____

FORM OF PERFORMANCE GUARANTEE

Bank guarantee bond to be issued by nationalized banks only

In consideration of the Board of Trustees, Mormugao Port Trust (hereinafter called "Board") having offered to accept the terms and conditions of the proposed agreement between and (hereinafter called "the said contractor(s)" for the work (hereinafter called "the said agreement") having agreed to production of the irrevocable Bank Guarantee for Rs..... (Rupees..... only) as a security/guarantee from the contractor(s) for compliance of his obligations in accordance with the terms and conditions in the said agreement.

1. We(indicate the name of the Bank) (hereinafter referred to as the "Bank") hereby undertake to pay to the Board an amount not exceeding Rs..... (Rupees only) on demand by the Board.

2. We(indicate the name of the Bank) do hereby undertake to pay the amounts due and payable under this Guarantee without any demur, merely on a demand from the Board stating that the amount claimed is required to meet the recoveries due or likely to be due from the said contractor(s). Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this Guarantee. However, our liability under this Guarantee shall be restricted to an amount not exceeding Rs..... (Rupees only).

3. We, the said Bank, further undertake to pay to the Board any amount so demanded notwithstanding any dispute or disputes raised by the contractor(s) in any suit or proceeding pending before any Court or Tribunal relating thereto, our liability under this present being absolute and unequivocal. The payment so made by us under this bond shall be a valid

discharge of our liability for payment thereunder, and the contractor(s) shall have no claim against us for making such payment.

4. We(indicate the name of the Bank) further agree that the Guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said Agreement, and it shall continue to be enforceable till all the dues of the Board under or by virtue of the said Agreement have been fully paid, and its claims satisfied or discharged, or till the Engineer-in-charge, on behalf of the Board, certifies that the terms and conditions of the said Agreement have been fully and properly carried out by the said contractor(s), and accordingly discharge this guarantee.
5. We(indicate the name of the Bank) further agree with the Board that the Board shall have the fullest liberty without our consent, and without effecting in any manner our obligations hereunder, to vary any of the terms and conditions of the said Agreement or to extend time of performance by the said contractor(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the Board against the said contractor(s) and to forbear or enforce any of the terms and conditions relating to the said Agreement, and we shall not be relieved from our liability by reason of any such variation or extension being granted to the said contractor(s) or for any forbearance, act of omission on the part of the Board or any indulgence by the Board to the said contractor(s) or by any such matter or thing whatsoever which under the law relating to Sureties would, but for this provision, have effect of so relieving us.
6. This Guarantee will not be discharged due to the change in the constitution of the Bank or the contractor(s).
7. We(indicate the name of the Bank) lastly undertake not to revoke this Guarantee except with the previous consent of the Board in writing.
8. This Guarantee shall be valid upto unless extended on demand by the Board. Notwithstanding anything mentioned above, our liability against this Guarantee is restricted to Rs..... (Rupees only) and unless a claim in writing is lodged with us within two months of the date of expiry or extended date of expiry of this Guarantee, all our liabilities under this Guarantee shall stand discharged.

Dated the day of For
.....

(indicate the name of the Bank).

FORMAT OF POWER OF ATTORNEY

Dated : _____

**POWER OF ATTORNEY
To Whomsoever It May Concern**

Mr. _____ (Name of the Person(s)), domicile at
_____ (Address), acting as
_____ (Designation and name of the firm), and whose
signature is attested below, is hereby authorized on behalf of
_____ (Name of the Tenderer) to provide
information and respond to enquiries etc. as may be required by the Port or any
governmental authority for the (project title)
_____ and is hereby
further authorized to sign and file relevant documents in respect of the above.

(Attested signature of Mr. _____)

For _____ (Name of the Tenderer)

DECLARATION FORM

Sr. No.	Description	Yes / No.
1.	Agree all terms and conditions of Tender and declare that no changes are made to the Port's original Tender document	
2.	Have you ever been Black listed by any Government / PSU	

Firm's Sign and Seal

Place:

Date:

ADVANCE STAMPED RECEIPT

Received from the FA & CAO, MPT, Vasco Goa a sum of **Rs.** -
(Rupees only) towards refund of Earnest Money Deposit vide
Tender No. -----

Revenue Stamp

Signature with Office Seal

BANK DETAILS FOR ECS PAYMENT

1. Name of Organisation:
2. Address in Detail:
3. Telephone Number:
4. Email id:
5. Name of the Bank and Branch Address :
6. Account Number :
7. Bank Branch Code:
8. MICR Number :
9. Type of Account :
10. IFSC Number :
11. CST / VAT Number :
12. Copy of PAN Card :
13. TIN Number :
14. Service Tax Regn. No.:
15. EPF No. :
16. ESI Regn. No.

Firm's Sign and Seal

Place:

Date:

MORMUGAO PORT TRUST
ENGINEERING MECHANICAL DEPARTMENT
PARTICULARS TO BE FILLED BY THE BIDDER
LED Luminaries

Sr. no.	Description	Data filled by Bidder
I	GENERAL DETAILS	
a)	Make of the material	
b)	Model -- Lamp Luminaries	
c)	Catalogue no., if any, of luminaries offered	
d)	Name and full address of the manufacturer with name, designation of contact person with Phone no.	
II	Authorization letter from the manufacturer	