

VISAKHAPATNAM PORT TRUST  
MECHANICAL AND ELECTRICAL ENGINEERING DEPARTMENT  
ORE HANDLING COMPLEX

TENDER NOTICE NO.: 38/IM&EE/OHC/M/W/2014-15 Dt.13 -02-2015

NOTICE INVITING TENDERS (NIT)

1	ORGANISATION	VISAKHAPATNAM PORT TRUST
2	DEPARTMENT	Mechanical and Electrical Engineering-VPT,
3	NIT NUMBER:	38/IM&EE/OHC/M/W/2014-15/Dt.13-02-2015
4	NAME OF WORK:	Maintenance contract of 4000 TPH capacity Bucket Wheel Reclaimer IV, Conveyor S1 and Drive house H6 of OHC for trouble free operations- for a period of three months
5	ESTIMATE CONTRACT VALUE	Rs.12,70,890/-(Rupees Eleven Lakhs Forty Three Thousand Three Hundred and Three only).
6	PERIOD OF COMPLETION	Three months from the date of issue of LOI/WO
7	FORM OF CONTRACT AND CLASS OF CONTRACT	Reputed Contractors having experience on similar works
8	BIDDING TYPE:	Open
9	BID CALL NO.	1 <sup>st</sup> call
10	TYPE OF QUOTATION:	Two bid system
11	TRANSACTION FEE PAYABLE TO:	Rs.400/- (Rupees Four Hundred only) F.A&C.A.O-VPT, Payable at Visakhapatnam
12	EMD/BID SECURITY:	Rs.25,420/-(Rupees Twenty Five Thousand Four Hundred and Twenty only)
13	EMD/BID SECURITY DD PAYABLE TO:	F. A & C.A.O-VPT PAYABLE AT VISAKHAPATNAM
14	BID DOCUMENT DOWNLOADING START DATE	14.02.2015 from 10.00Hours
15	BID DOCUMENT DOWNLOADING END DATE:	25.02.2015 up to 12.00Hours
16	LAST DATE AND TIME FOR RECEIPT OF BIDS:	25.02.2015 up to 14.00 Hours
17	BID VALIDITY:	30 Days
18	BID OPENING DATE:	25.02.2015 after 14.30 Hours
19	OFFICER INVITING BIDS	EXECUTIVE ENGINEER (M/S)/OHC
20	BID OPENING AUTHORITY:	EXE (M/S).OHC, VPT.

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21	ADDRESS:	O/o Executive Engineer (M/S), Administrative Office Building 2 <sup>nd</sup> floor, CM.E.'s Department, VPT, VSP –530 035. A.P, India
22	CONTACT DETAILS	0891-2875865,0891-2873241

A separate Demand Draft towards the cost of tender documents as mentioned at point no.4 (NIT conditions) shall have to be enclosed while submitting the tender; otherwise the tender will be summarily rejected. Port Administration shall not be responsible for any delay/difficulties/ inaccessibility of the down loading facility or for any reason whatsoever.

#### PRE-QUALIFICATION CRITERIA:

1. Submit Solvency Certificate from any Nationalized Bank to the extent of Rs.6,00,000/- valid for a period of One Year from the date of submitting the bids.
2. Should submit APGST/VAT Registration number & Income tax PAN/Service Tax.
3. Should submit proof of experience in executed (completed) works related to maintenance/erection of Bulk Material handling systems/equipments i.e., stackers, Reclaimers, ship loaders, cranes, conveyor system etc. in Government/ Private Ports, steel plants, mines etc. by the Tenderer.
4. The bidders should not have any records of poor performance/ black listing / ban either at VPT or at any other organisation.
5. Technical Capacity: Experience of having successfully completed similar work during the last seven years ending last day of the month previous to the one in which applications are invited should be either of the following:
  - a) Three similar completed works costing not less than the amount equal to 40% of the estimated cost. i.e. Rs. 5,08,360/- or
  - b) Two similar completed works costing not less than the amount equal to 50% of the estimated cost i.e. Rs. 6,35,450/- or
  - c) One similar completed works costing not less than the amount equal to 80% of the estimated cost i.e. Rs. 10,16,710/-.
6. Financial Capacity: Average annual financial turnover during the last three years, ending 31<sup>st</sup> March of the previous financial years, should be at least 30% of the estimated cost, i.e., Rs.3,81,270/-

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7. The Contractor will have to give a certificate that he or she is not related to any Officer of Visakhapatnam Port Trust or any officer of the rank of Assistant Secretary or above in the Ministry of Transport, Government of India. The Contractor should give a declaration along with his Tender about the name of the relatives, who are employed as Non-gazetted Officers in the Port Trust.
8. The tenderer should give an undertaking letter that the documents submitted by them are genuine documents. If any forged/fake documents are submitted by the tenderer, VPT have right to ban the business dealing of the firm with VPT.
9. All the documents submitted shall be duly notarized.

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**VISAKHAPATNM PORT TRUST  
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01)Tenders are hereby invited for Maintenance contract of 4000 TPH capacity Bucket Wheel Reclaimer IV, Conveyor S1 and Drive house H6 of OHC for trouble free operations- for a period of three months

02) Contract documents consisting of the scope of work, schedules, special conditions and a set of general conditions of contract to be complied with by the person, whose Tender may be accepted, can be seen at room No.241, 2<sup>nd</sup> floor, Administrative Office Building between 11.00 hrs., and 1600 hrs., every day, except Sundays, Second and Fourth Saturdays and Public Holidays.

03.The sealed Tenders in Two Cover System, (Technical and Financial Bids), with the name of the work written on the envelope will be received by at Room No.241, II floor, AOB,CME's office/VPT., Visakhapatnam Port Trust up to 14.00 hrs. on **25.02.2015** and will be opened by the tender committee in the office on the same day after 14.30 hrs.

04. Tenders are to be on the form which can be obtained from Room No.241 , 2nd floor, C.M.E's office, Visakhapatnam-530 035, on payment of a sum of Rs.400/- by cash on application of request, duly enclosing the receipt thereof, attached to the application. The complete bid documents along with application form may also be downloaded from VPT's web site at [www.vizagport.com](http://www.vizagport.com) and pay the cost of tender documents in the form of DD in favor of F.A & C.A.O/VPT at the time of submission of the application form and bid documents.

05. The contractor should quote in figures, as well as in words, the rates or amount tendered by them. The amount for each item should be worked out and the requisite total given.

06. When a contractor signs a tender in an Indian language, the rates and the total amount tendered should also be written in the same language. In the case of illiterate contractors, the rates on the amounts tendered should be attested by a witness.

07. Earnest Money of **Rs.25,420/-(Rupees Twenty Five Thousand Four Hundred and Twenty only)** shall be paid to Financial Adviser & Chief Accounts Officer, Port Trust, in cash or Bank Draft/B.G., only and no cheques in this regard will be entertained under any circumstance. The receipts obtained thereof, shall be attached with the tender and each tender is to be in a sealed cover, super scribed by the name of work and addressed to Executive Engineer (M/S), II Floor CME's office, AOB, Room No. 241 Visakhapatnam Port Trust, Visakhapatnam. The Earnest Money of unsuccessful tenderer, will be refunded. The E.M.D. paid, will not carry any interest. The Bank Guarantee in VPT proforma shall also be acceptable, issued by any Nationalized Banks. The Bank Guarantees issued by Foreign Bank should have endorsement of Overseas Branch of State Bank of India.

08. The Contractor, whose tender is accepted, will be required to furnish security for the due fulfillment of his contract consisting of ten percent of the tendered cost. The Earnest Money will be treated as part of the security, of work done and the balance necessary to make up the full amount specified will be deposited with the FA&CAO., Port Trust, within the period specified in Clause-1 of the "Conditions of Contract" printed in the form of tender.

9. Should the successful bidder fail to furnish security or refuse to execute the work in accordance with his accepted Tender, EMD will be forfeited and Board may thereon award the Contract to another bidder.

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10. Tenders which do not fulfill all or any of the above conditions or incomplete in any respect are liable for summarily rejection.

11. Canvassing in connection with Tenders, is strictly prohibited and the Tenders submitted by the Contractor who resorts to canvassing, will be liable for rejection.

12. The contractor should not introduce percentage rates above/below the estimate rates in the items rates tender. Such Tenders will be rejected. Also, the Tenderers should not include any price variation Clause.

13 a) Tenders containing percentage above/below on their total tendered amount, will be summarily rejected.

b) Rates quoted by the Contractor on item rate tendered in Figures and words shall be accurately filled in, so that there is no discrepancy in the rates written in figures and in words. However, if any discrepancy is found, the rates which correspond to the amount worked out by the Contractor shall be taken as correct

c) If the amount of an item is not worked out by the Contractor or it does not correspond with the rate written either in figures or in words, then the rate quoted by the Contractor in words, shall be taken as correct.

d) Where the rate quoted by the Contractor in figures and in words tallies, but the amount is not worked out correctly, then the rate quoted by the Contractor shall be taken as correct and not the amount

14. Special care should be taken to write the rates in figures as well as in words, and the amounts in figures only, in such a way that the interpolation is not possible. The total amount should be written, both in figures and words. In case of figures, the letters 'Rs' should be written before the figures of rupees and the word 'Paise' after decimal figures viz., Rs.2.15 ps., and in case of words , the word, 'Rupees' should proceed and the word 'Paise' should be written at the end. Unless when the rate as in whole rupees and followed by the words only, it would invariably be up to two decimal places.

15 Any variation in Tax, Levies, duties, imposed after signing the contract shall be reimbursed by VPT on production of Documentary evidence. Any New Taxes, Levies, duties, imposed after signing the contract shall be reimbursed by VPT on production of Documentary evidence

16. The Tenders containing uncalled for remarks, or any additional conditions are liable to be summarily rejected.

17. Tender forms will also be sold to contractors Registered in the appropriate class with the State P.W.D., Railways or Major Corporations, Improvement Trusts, Port Trusts, etc., subject to the condition that the proof of enlistment as Contractors, is produced along with the requisition for the issue of Tender Forms.

18.No increase in the prices quoted, will be allowed after opening the Tenders.

19. The acceptance of a Tender will rest with the Chairman, Visakhapatnam Port Trust, who does not bind himself to accept the lowest Tender and reserves to himself the authority to reject any or all of the Tenders received, without the assignment of any reason. All Tenders, in which any of the prescribed conditions are not fulfilled, will be rejected.

20.Proof of Establishment, Handling Equipments, Personnel-The firm should be able to mobilize staff within a short notice (6Hrs) for executing the work.

The Contractors should read the specifications and study the working drawings carefully before submitting the Tender.

21. No Engineer-in Gazetted rank or other gazetted officer employed in Engineering or administrative duties in an Engineering Department of the Government of India is allowed to work as a Contractor for a period of two years of his retirement from Government service without the previous permission of the Government of India Contract, is liable to be cancelled, if either the Contractor or

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any of his employees is found at any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the Tender or engagement in the Contractor's service as the case may be.

23. Unsealed covers will be summarily rejected.

24. The Tenders should acquaint themselves with the work and working conditions of the site and locality and no claim will be entertained on this issue.

25. Contractors should quote their rates only in decimal coinage in paises.

26. The Tender prices should be kept valid for 30 days from the date of opening of Tenders.

27. The Contractor shall submit the documentary evidence to show that he is registered with APGST Authorities under the APGST. Act, 1957. Bids received without APGST Registration, are liable for rejection.

28. Unless and until the Contractor to whom the work is awarded, produces the A.P.G.S.T. Registration, no amount will be released to the Contractor or to the firm. In case of foreign bidders, the Indian Agents should invariably register and produce A.P.G.S.T. Registration within 10 days of placement of orders.

29. The Contractor should claim EMD/S.D. within Seven Years, failing which the E.M.D/S.D. will be forfeited.

30. If any forged/fake document is submitted by tenderer, their business dealing with VPT will be banned.

The sum of Rs.-----

-----is deposited with the Financial Adviser & Chief Accounts Officer (Port Trust) and receipt attached as Earnest Money (a) the full value of which is to be absolutely forfeited to the Board or its successors in Office, without prejudice to any other rights or of the Board or its successors in Office should I/We fail to commence the work specified in the above Memorandum or should I/We not deposit the full amount of Security Deposit specified in the above Memorandum in accordance with Clause-1(a) of the said sum of Rs.----- shall be retained by Board as on account of such Security Deposit as aforesaid.

\*Signature of Contractor before submission of Tender. Dated the-----day of-----2014

Signature of witnesses to Contractor's signature:

WITNESSES :

Address:  
Occupation:

\*\*\*Signature of the Officer by whom Accepted. The above tender is hereby accepted by me on Behalf of the Board of Trustees of Visakhapatnam Port Trust.

Dated the-----day of -----2014  
Dy. CHIEF MECHANICAL ENGINEER  
VISAKHAPATNAM PORT TRUST

THE COMMON SEAL OF THE BOARD OF TRUSTEES OF THE PORT OF VISAKHAPATNAM HAS BEEN AFFIXED AND SHRI----- DY. CHIEF MECHANICAL ENGINEER HAS SIGNED ON BEHALF OF THE BOARD IN THE PRESENCE OF:

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**VISAKHAPATNAM PORT TRUST  
MECHANICAL AND ELECTRICAL ENGINEERING DEPARTMENT**

**TENDER FOR:** Maintenance contract of 4000 TPH capacity Bucket Wheel Reclaimer IV, Conveyor S1 and Drive house H6 of OHC for trouble free operations- for a period of three months

I/We hereby tender for execution for Board of Trustees of the Visakhapatnam Port Trust of the work specified in the underwritten memorandum within the time specified in such memorandum at the rates specified therein and in accordance in all respects with the specifications, designs and instructions in writing referred to in Rule-I here of and in Clause-II of the conditions of contract and with such materials as are provided for by and in all other respects in accordance with such conditions so far as applicable.

M E M O R A N D U M

GENERAL DESCRIPTION

- a) Name of the work: Maintenance contract of 4000 TPH capacity Bucket Wheel Reclaimer IV, Conveyor S1 and Drive house H6 of OHC for trouble free operations- for a period of three months
- b) Earnest Money: Rs.25,420/- (Rupees Twenty Five Thousand Four Hundred and Twenty only)
- c) Security Deposit: 10% of the contract price in cash including earnest money or scheduled bank guarantee.
- d) Completion period: 3 months

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**SPECIAL INSTRUCTIONS TO THE TENDERER:**

The contractors are requested to submit the tender containing with **two covers** separately as indicated below:

**1. Technical bid:**

The technical bid will contain all technical matters high lighting the capabilities of the contractors to perform this work. He should indicate and enclose proof of documents for having similar line of experience along with performance/ completion certificates. He shall also indicate all commercial terms only in this technical bid.

**E.M.D.of Rs.25,420/-** in the form of Demand Draft/Bank Guarantee in Visakhapatnam Port Trust proforma/cash receipt as mentioned in the Notice Inviting Tender shall be enclosed in the technical bid only.

**2.Price bid:**

The price bid will contain only the price as per the schedule. No commercial terms shall be mentioned in this cover.

The rate for the subject work should be quoted as lump sum inclusive of all applicable taxes.

Complete set of tender schedules to be returned duly signed in token of acceptance of the same.

N.B.:- The tenderer who wishes to download the complete bid document from VPT's **web site** at [www.vizagport.com](http://www.vizagport.com) shall pay the cost of tender documents i.e. **Rs.400/-** by DD in favour of F.A & C.A.O at the time of submission of tender in a **separate sealed cover**.

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**Name of work:** Maintenance contract of 4000 TPH capacity Bucket Wheel Reclaimer IV, Conveyor S1 and Drive house H6 of OHC for trouble free operations- for a period of three months

**SPECIAL AND TECHNICAL TENDER CONDITIONS**

01.The object of this tender is to improve the performance of OHC i.e no damage to the Port's property during the period of work. The contractor at his own cost has to replace/repair for such damages, if any, as decided by the Chief Mechanical Engineer.

02.EXE (M/s) or AXE (M/s)/ EXE(E)/AXE(E) will inspect the work time to time and at their discretion the contractor has to carry at the work.

03.Time is the essence of this contract. The work is for a period of **3 Months OR till handing over of the plant to the Concessionaire whichever is earlier, duly giving 07 days notice period** from the date of LOI/work order/clearance of site in all respects to the satisfaction of the Engineer-In-Charge. If necessary, the said work will be extended for a further period of three months on the same rate, terms and conditions.

04.The contractor must be in a position to start/stop within a short notice. VPT is not responsible to any dislocation or loss to the contractor due to starting/stopping of the work as above. The contractor should ensure that there should not be any interruptions to the plant operations.

05.No room will be provided to the contractor at site for storage of his material.

06.The contractor should make his own arrangements for transportation of men and materials.

07.The contractor should arrange necessary tools and tackles required for the subject work.

08.The contractor must be registered dealer under APGST Act,1957

09.Unless and until the contractor to whom the work is awarded produce the APGST registration certificate, no amount will be released to the contractor or to the firm

10.Tax at sources as per the extent rules on the executed value of the work will be recovered from your running bills

11.90% payment will be released on pro-rata basis and the balance which is retained as Security deposit will be released on satisfactorily completion of the guarantee period.

12.Service lines such as electricity cables, fibre optic IT cables, water supply lines, seaway and drainage pipes, tele-communication cables etc., are embedded in the port roads, road side beams, hard surface areas, pavements etc.,. The fibre optic IT cables very costly and if damaged, required replacement for full length. The contractor, therefore, before commencing any excavations shall seek the specific clearance of the proposed for excavation. Notwithstanding such approval, he shall be responsible to take necessary precautions by way of deploying suitable means and restraint to avoid damage to any of the service line. In case of any damage caused during execution of the work subsequently, he should replace/repair the cables/service pipe lines etc., as required at his own cost failing which recovery as evaluated by the Engineer-In-Charge would be made from the bills.

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13.The contractor has to draw the material from the sources of issue and to be transported to the site on their own transport.

14.The scrap is to be deposited to OHC stores and acknowledgement is to be produced along with the completion of the work.

15.The contractor should take precautions to protect environment.

16.The contractor has to instruct their staff to use personnel protective appliances like safety helmet, safety shoes, safety belts while working in OHC area.

17.Payment to the contract labour if any involved in the work entrusted are to be paid by the contractor in the presence of Section officer of VPT. Contractor should ensure that the payment of minimum wages ,as may be declared prescribed by Asst. Labour Commissioner (central),Hyderabad, from time to time, shall be payable to all the workmen engaged by you at the rates as applicable to skilled, semiskilled and unskilled respectively on the equipments. This needs to be strictly adhered for. Further, the contractor has to submit a documentary evidence in support of the payment made to the labour engaged in the work along with the subsequent running bills failing which the bill will not be prepared.

18.In respect of PF contribution from the labour remitted to PF commissioner, a documentary evidence in support of the same to be submitted by the contractor along with the subsequent running bills failing which the bill will not be passed. The documentary evidence of Insurance converge needs to be submitted against each workmen engaged by the Contractor.

19. P.F. code from the regional provident fund commissioner, Visakhapatnam in respect of your establishment with individual P.F. account numbers in respect of laborers to be deployed in our establishment. In respect of PF contribution from the labour remitted to PF commissioner, a documentary evidence in support of the same to be submitted by the contractor along with the subsequent running bills failing which the bill will not be passed. The documentary evidence of Insurance converge needs to be submitted against each workmen engaged by the Contractor.

20. Labor license from the ALC, Visakhapatnam must be obtained before commencement of the contract work.

21.Registration and ESI act (All the workmen to be covered under ESI act) .

22.Registration of service tax from office of central excise.

23. Service tax: service tax registration certificate shall be submitted along with tender. Service Tax will be reimbursed as per actuals on production of documentary evidence.

24The contractor shall comply with all the statutory, non-statutory and legal provisions viz Minimum wages act, Payment of Wages Act, ESI Act, EPF & MP Act, Contract labour (Regulation & abolition act) Act, Workman's compensation Act and all such Acts applicable to contract labor engaged on the machine without fail.

25. Bonus will be reimbursed, on documentary proof of its payment to the eligible personnel under provisions payments of Bonus Act,1965.

26All structural steel will be supplied departmentally.

27.Consumables like gas, electrodes, rustolene & fasteners (M.S.bolts & nuts) etc., are in the scope of the contractor.

28All the required tools & tackles are in the scope of the contractor.

29.Power supply for welding machine will be provided on chargeable basis.

30.Contractors should make permanent identity cards to all the workmen.

31.The workmen schedule mentioned needs to be strictly adhered to.

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32. Any shortage of workmen on a given day will attract penalty mentioned in the document.
33. The Scope of work / Work Schedule should be submitted duly signed along with Technical Bid.
34. Reimbursement of escalated minimum wages will be made subject to submission of proof of circular issued by ALC (Central) and proof of payment of revised wages to labour by AMC contractor.
35. The audited/certified annual turnover statements for the last three years ending 31<sup>st</sup> march should be submitted.
36. Tenderers should make their own arrangements to furnish original B.G to the organization directly by the issuing bank under registered post under acknowledgement due except in case of B.G submitted towards EMD.
37. the tenderers who wishes to submit B.G. towards EMD should submit original B.G. along with their tender and the tenderer should ensure that the branch issuing authority should sent an unstamped duplicate copy of the guarantee directly to the beneficiary by registered post with acknowledgement due before opening price bids with a covering letter requesting them to compare with the original received from their customer and confirm that as it is in order. In case of single cover system the tenderer who wished to submit B.G towards EMD should submit original B.G along with the tender and the confirmation by the banker in support of the issue of Bank Guarantee is to be received before acceptance of the tender by tender committee.
38. The contractor/firm while quoting the tender shall note no post tender negotiations will be held with the L -1 tenderer except in exceptional cases whenever found necessary.
39. The bidders shall give an undertaking that they have not made any payment or illegal gratification to any person/ authority connected with bid process so as to influence the bid process and have not committed any offence under the PC Act in connection with the bid.
40. the bidders shall disclose any payments made or proposed to be made to any intermediaries ( agents etc,.) in connection with the bid.

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Name of work: Maintenance contract of 4000 TPH capacity Bucket Wheel Reclaimer IV, Conveyor S1 and Drive house H6 of OHC for trouble free operations- for a period of three months

WORK SCHEDULE

S.No.	Description	Qty.	Unit	Rate Rs.	Amount Rs.
01.	<p style="text-align: center;"><b>SCHEDULE-A</b></p> <p>Maintenance contract of Mechanical system of 4000TPH BWR-IV (Elecon make) by attending to the scope of work under the supervision of a qualified mechanical engineer round the clock (in 3 shifts) as detailed in the enclosed Annexures-I,II,III,IV,V,VI &amp;VII subject to the following:</p> <p style="text-align: center;"><b>SCHEDULE-B</b></p> <p>Maintenance contract of Electrical system of 4000 TPH BWR-IV(L&amp;t make) by attending to the scope of work under the supervision of qualified electrical engineer round the clock (in 3 shifts) as detailed in the enclosed Annexure VIII &amp; IX subject to the following: CONDITIONS(applicable for scheduleA &amp; schedule B):</p> <p>a)The engineer at site should be available at any time, failing which a sum of Rs.500/-per shift will be levied towards penalty for non-availability of engineer.</p> <p>b)If the equipment is not</p>	<b>3 months</b>	<b>Month</b>		

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	<p>available for operation due to lack of preventive maintenance, an amount equivalent to 5 (five) times the prorated amount of maintenance charges per hour or part thereof will be levied.</p> <p>c) Any stoppage of equipment due to normal wear and tear of components/major breakdown of sub-systems such as Annexure-III will not be counted for levying of penalty. Minimum average time required for changing of components /attending to break down as indicated in the Annexure-III will be treated as running maintenance and the additional time involved beyond the average time allowed will be considered for levying penalty as indicated in Annexure-III.</p> <p>d) Stoppage of equipment for less than 30 minutes will be treated as period with no penalty in a span of 8 (eight) hours. Stoppage beyond 30 minutes will be levied penalty.</p> <p>e) The Engineer/Supervisor who is available on the equipment should possess a mobile telephone for ready communication as and when required by the OHC officials to avoid communication delays.</p>				
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	<p>SUPPLY OF</p> <p>CONSUMBALES:</p> <p><b>a)MECHANICAL:</b></p> <p>To arrange all type of consumables such as gas, electrodes (including special repair electrodes), kerosene oil, cotton waste rage etc. for cleaning HT Hexagonal bolts with nuts and washers, counter sunk head bolts with nuts and washers and general purpose bolts with nuts and washers.</p> <p><b>b)ELECTRICAL:</b></p> <p>To arrange all types of consumables such as insulation tapes, K-oil, cotton waste etc.</p>				
	TOTAL				

**NOTE:** The following items will be supplied by VPT free of cost:-

Mechanical: Pulleys, bearings, break linings, Mn.Steel liner plates(excluding bolts, nuts and washers), rubber liner (excluding bolts, nuts and washers), Ms. Liner plates (excluding bolts, nuts and washers), structural steel, idlers, rubber ferrules, all types of lub/hydraulic oils, grease, cast steel tines/ BG rail piece for tines, buckets, gear boxes, track wheel and gears and components of hydraulic system hoist mechanism.

ELECTRICAL: All HT., LT motors for replacement. All types of relays contactors, indication, bulbs, lighting fixtures and accessories, cables, electrical spares, drag chain spares such as drag chain holders, fixing pins etc.

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**ANNEXURE-I**

**VISAKHAPATNAM PORT TRUST  
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Name of work: Maintenance contract of 4000 TPH capacity Bucket Wheel Reclaimer IV, Conveyor S1 and Drive house H6 of OHC for trouble free operations- for a period of three months

**GENERAL SPECIFICATIONS**

1) MATERIAL BEING HANDLED : (i) iron ore fines  
(ii) calibrated lump ore  
with bulk density of 2.56 T/m<sup>3</sup>

2)CAPACITY OF M/c : 4000TPH

3)VARIOUS MECHANISMS TO PERFORM RECLAMATION:

- a) Traveling mechanism : This mechanism consists of six drive units operating at a speed of 3 to 15 mts /min . These six drives are driven by electrical motors coupled through a gear reducer and controlled by thruster operated brakes.
- b) Bucket wheel mechanism: There are nine buckets. Each bucket is of 850 lts. capacity. These buckets consists of tines made out of cast manganese steel. The bucket wheel is of 7.5 mts diameter, operates at a speed of 6 RPM and with a discharge capacity of 48 discharges per minute. Bucket wheel is driven by 200 kw, 1500RPM AC squirrel cage motor coupled through fluid coupling and planetary gear box with necessary thruster operated jaw brake.
- c) Boom conveyor mechanism: It is equipped with belt of 1400 mm width, 40mts. long and operates at a speed of 3.5 mts/sec. Belt is supported by carrying side idlers, impact idlers and return idlers. The conveyor is driven by 160KW, 1500 RPM AC squirrel cage motor coupled through fluid coupling and reduction helical gear reducer and controlled by thruster operated jaw brake.
- d) Slewing mechanism: This mechanism is operated through 2 nos. of gear reducers. Slewing operates at a speed of 6 to 30 mts/minute and driven by 6.2 kw, 400 to 2000 RPM reversible AC motor coupled through bevel helical gear reducers and controlled with necessary thruster operated jaw brake.
- e) Hoist mechanism: It is hydraulically operated at a speed of 3mts/min and is equipped with 2nos. of push up cylinders backed with hydraulic power pack which is driven by 30kw, 1500 RPM AC squirrel cage motor with necessary valves such as solenoid valves, flow control valve, etc.

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**ANNEXURE-II**

**VISAKHAPATNAM PORT TRUST  
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Name of work: Maintenance contract of 4000 TPH capacity Bucket Wheel Reclaimer IV, Conveyor S1 and Drive house H6 of OHC for trouble free operations- for a period of three months

**SCOPE OF WORK:**

a) MECHANICAL:

Probable works that may arise from time to time during the year are as under. The tenderer has to attend all the works that are necessary round the clock for effective operation and performance of the machine, including the works listed below and any other work as assigned by the Engineer-in-Charge.

01. Replacement of Bucket wear digging plates/tines by gas cutting and welding or welding B.G. rail ribs to the bucket in place of wear digging plates/tines.
02. Replacement of Manganese steel/rubber liners in chutes and reconditioning of chutes by welding the M.S. Plates wherever necessary.
03. Repairs to the skirt boards by removing the liners, repairing the M.S. plate and re-fixing the new liners.
04. Welding of stone boxes, horses shoe plates etc., wherever necessary and repairs to the same for effective running of belt of the conveyor.
05. Replacement of skirt rubbers.
06. Providing belt cleaners, replacement of belt cleaner rubbers etc.
07. Greasing of all pulley bearings and other lubricating points.
08. Maintenance of lubrication pumps of Bucket Wheel, slewing ball race Traverse etc., and relevant pipe connections, valves nozzles feeders etc.,
09. Topping up/replacement of lubricant oils in gear boxes as per schedule specified in annexure IV.
10. Alignment of couplings, replacement of ferrules etc., and tightening from time to time.
11. Maintenance of fluid couplings by check up/topping of oil at required levels.
12. Reconditioning of tines with special repair electrodes in order to prevent further damage of tines.
13. Drawals of any free issue materials from source of supply and transportation to work spot by his own arrangement.
14. Replacement of Bearings, Pulleys, Idlers viz., steel return carrying side and impact idlers and gear boxes and all reclaimer travelling wheels etc.,
15. Any other work entrusted by the Engineer-in-Charge with a view to keep the machine in good working condition.
16. Attending for restoration works in case of the equipment breakdown. In such cases, the contractor should invariably available and restore the equipment in short time.

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17. Maintenance of hydraulic system of Boom luffing and rail clamp.
18. Adjustment of brakes and replacement of brake liners.
19. The steel required will be supplied by VPT at free of cost from any stores of OHC or VPT general stores on written requisition from the Contractor. The transportation of the steel issued by from the above stores to site is the responsibility of the Contractor. The Contractor has to render the account of steel utilized and return the balance, left, if any, to OHC stores.
20. VPT is not responsible for payment of any Sales tax, Octroi or Excise duty, if applicable and leviable afterwards. Contractor has to pay the same and Port Trust is nothing to do with them.
21. The required lubricants oil and grease structural steel, Manganese Steel liner plates and Rubber liners spare parts such as Steel and return idlers. Carrying side steel idlers and rubber disc. impact idlers and Hydraulic system spares. Conveyor Pulleys, pulley bearings supplied free of cost of VPT at any stores of OHC on written requisition from the Contractor. The transportation of the same from OHC stores to site is the responsibility of the Contractor only. He has to make his own arrangements for the same. However, the mobile cranes will be supplied free of cost subject to availability, on written requisition in advance by the contractor.
22. Replacement of Buckets, fluid couplings.
23. Power supply will be provided on chargeable basis as per A.P.S.E.B., tariff and charges will be recovered in the running bills of Contractor.
24. The payment will be given monthly after completion of maintenance duly certified by Engineer-in-charge.
25. cleaning or replacing of hydraulic line filters depending on the necessity.

**ANNEXURE-III****VISAKHAPATNAM PORT TRUST  
ORE HANDLING COMPLEX**

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Name of work: Maintenance contract of 4000 TPH capacity Bucket Wheel Reclaimer IV, Conveyor S1 and Drive house H6 of OHC for trouble free operations- for a period of three months

**TIME LIMITS****MECHANICAL:**

The average time showing against each item required for changing of any of the following items will be treated as a running breakdown time and additional time beyond shown against each will be considered for laying penalty at the double prorata payment per equipment per hour of part there of. Stoppage for less than 30 minutes will be treated as period with no penalty in a span of 8 hours stoppage beyond 30 minutes will be levied penalty.

01. Replacement of Bucket	: 02 Hrs.
02. Replacement of pulley bearings	: 04 “
03. Replacement of drive pulley	: 20 “
04. Replacement of drive snub pulley	: 06 “
05. Replacement of take-up pulley	: 20 “
06. Replacement of Bucket wheel drive input shaft assembly	: 12 “
07. Replacement of bucket wheel drive coupling rubber ferrules	: 04 “
08 . Replacement of 5 PCs rubber disc. Garland type idler	: 02 “
09. Replacement of 3 PCs steel garland type idler	: 30 min.
10. Replacement of 2 PCs steel garland type return idler	: 30 “
11. Replacement of ring chute, curved liner plate/Bucket discharge chute/cylindrical chute.	: 02 Hrs.
12. Replacement of Boom conveyor gear box	:32 “
13. Replacement of long travel gear box.	:08 “
14. Replacement of long travel drive input coupling rubber ferrules.	:03 “

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15. Replacement of Brake liners of Boom conveyor	: 01 “
16. –do- long Travel	:02 “
17. –do- Slew ring	:01 “
18. Boom Hyd. Luffing system line filter replacement	: 01 “
19. Replacement of Hydraulic hose pipes	: 02 “
20. Replacement of fluid coupling	: 08 “
21. Replacement of bucket wheel gear box	:06 days
22. Replacement of luff cylinder assembly	:03 days
23. Replacement of slewing gear box	:03 days

NOTE: If any other breakdown occurs during operation in addition to the above, the decision of the Engineer-in-Charge shall be final to fix the average time required for attending to.

**ANNEXURE-IV**

**VISAKHAPATNAM PORT TRUST  
ORE HANDLING COMPLEX**

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Name of work: Maintenance contract of 4000 TPH capacity Bucket Wheel Reclaimer IV, Conveyor S1 and Drive house H6 of OHC for trouble free operations- for a period of three months

**MAINTENANCE PROGRAMME**

**(MECH-ELEC)**

<b>1) ENGINEERS/SUPRVISORS</b>	<b>-----8 NOS</b>
<b>2) SKILLED</b>	<b>-----12 NOS</b>
<b>3) SEMI SKILLED</b>	<b>----- 4 NOS</b>
<b>4) UNSKILLED</b>	<b>-----5 NOS</b>

<b>TOTAL</b>	<b>----- 29 NOS</b>
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**MECHANICAL:**

**DAILY MAINTENANCE PROGRAMME**

- a) Checking of oil levels/ leaks of following components on reclaimer
  - 1.long travel gear boxes
  - 2.long travel gear gaurds
  - 3.boom conveyor gear box
  - 4.slewing gear box
  - 5.luff hydraulic tank
  - 6.PCRD & CCRD gear boxes
  - 7.bucket wheel
- b) Checking of all pulleys rubber lagging
- c) Checking the brake liners, brake drums and link pins of
  - 1.long travel
  2. boom conveyor
  3. slewing
  4. bucket wheel
- d) Inspection of idlers

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1.3 pc steel idlers

2.2 pc return idlers

3.impact idlers

4.flat idlers

e) Inspection of

1.Buckets

2.Bucket wheel ring

3.curved liners

4.bucket wheel discharge chute liners

5.cylindrical chute liners

6.boom conveyor belt

7.walk ways

8.ladders

9.operator's cabin

10.structurals

11.storm lock assembly

12.half equalizer beam bolts

13.traveling wheel bolts

14.bed bolts of all gear boxes

15. house keeping

16.grease level in grease pump and running of pump

#### WEEKLY MAINTENANCE PROGRAMME

a) checking of all pipe lines of all auto greased components

b) greasing of

1.boom conveyor bearings

2.bucket wheel bearings

3.carden shaft and its bearings

4.push up cylinder pivot pin bearings

5.mast pivot pin bearings

6.long travel bogie wheel pins

7.couplings

#### FORTNIGHTLY MAINTENANCE PROGRAMME

- a) Greasing of slew ball bearing
- b) Applying of cardium compound for slew gear wheels and pinions.

#### MONTHLY MANTENANCE PROGRAMME

- a) Checking the filters of luffing hydraulic system

Note: All other parts which are not covered in the above list also should be maintained periodically as required.

VISAKHAPATNAM PORT TRUST  
ORE HANDLING COMPLEX

...

Name of work: Maintenance contract of 4000 TPH capacity Bucket Wheel Reclaimer IV, Conveyor S1 and Drive house H6 of OHC for trouble free operations- for a period of three months

DEPLOYMENT OF MAN POWER

**MECHANICAL :**

The contractor should engage the following staff in each shift for trouble free mechanical maintenance of bucket wheel Reclaimer-IV.

1. Qualified engineer ( diploma holder)
2. Skilled technician (I.T.I certificate holder in fitting trade)
3. Skilled welder/cutter (I.T.I certificate holder in welding trade) :
4. Helpers :

General shift/Reliever

- 1) Qualified Engineer ( Diploma holder).....
- 2) Skilled Technical (I.T..I certificate holder in fitting trade.....
- 3) Skilled Welder/ Cutter (I.T.I . certificate holder in welding trade) ..
- 4) Helpers .....

NOTE: 1)THERE SHOULD BE 4 NOS MECHANICAL ENGINEERS IN TOTAL

2) THERE SHOULD BE 8 NOS MECHANICAL SKILLED FITTER / WELDERS ENGINEERS IN TOTAL

3) THERE SHOULD BE 4 NOS HELPERS

CONTRACTOR

CHIEF MECHANICAL ENGINEER



**ANNEXURE--VI****VISAKHAPATNAM PORT TRUST  
ORE HANDLING COMPLEX**

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Name of work: Maintenance contract of 4000 TPH capacity Bucket Wheel Reclaimer IV, Conveyor S1 and Drive house H6 of OHC for trouble free operations- for a period of three months

**PENALTY****MECHANICAL & ELECTRICAL:**

1. The site engineer should be available on the machine at any time. In case of non-attendance of staff and failure of this, a sum of **Rs.500/- per day/ per shift** will be levied towards penalty and will be recovered from your on account bills.
2. If any worker found not available/absence on the equipment at any point of time, a sum of **Rs.300/- per day/ per shift** will be deducted from monthly bills towards penalty.
3. If any contractor/supervisor/worker found not using personnel protective equipment (PPE) such as safety helmets (with chin strap), safety goggles in their work, an amount of **Rs.100/-** per each will be deducted from monthly bills towards penalty. This is observed to ensure safety of the contractor and his own workers as per the conditions of the OHSAS 18001 certificate.

CONTRACTOR

CHIEF MECHANICAL ENGINEER

**ANNEXURE-VII**

**VISAKHAPATNAM PORT TRUST  
ORE HANDLING COMPLEX**

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Name of work: Maintenance contract of 4000 TPH capacity Bucket Wheel Reclaimer IV, Conveyor S1 and Drive house H6 of OHC for trouble free operations- for a period of three months

**SPECIAL CONDITIONS TO THE CONTRACTOR**

01. The Bucket Reclaimer-IV is located in the Ore Handling Complex for reclaiming lump/fines iron ore.
02. The contractor is responsible for trouble free working of Electrical equipment of BWR-IV through out the period of contract and must be able to attend any breakdown/electrical troubles during operations round the clock and rectify quickly to avoid stoppage of operations.
03. In addition, he must carryout regular maintenance as per schedule.
04. The contractor should ensure the reliability of electrical maintenance and operation of BWR-IV throughout the contract period including periods where severe weather conditions also. The contractor has to transport his men at his risk and responsibility to the work spot. However, the safety of men and materials during the work and during movement to the respective areas is the responsibility of the contractor only.
05. The contractor in his own interest should employ only those who are conversant in such works.
06. No claims will be entertained by VPT on account of any loss or accident.
07. The contractor has to show the condition of working of BWR-IV and submit list of defects that are attended by him and maintenance carried out to the Engineer-in-Charge. After satisfactory completion only the monthly bills will be entertained.
08. The spare parts necessary for maintenance or for replacement will be supplied by VPT at free of cost. However, the decision of the Engineer-in-Charge will be final in deciding the replacement, required crane and vehicle for transportation of materials from store to BWR-IV and vice versa will be supplied free of cost.
09. The removed/defective parts are to be handed over to the VPT.
10. The required tools and tackles are to be brought by the contractor only for carrying out the maintenance.
11. The contractor and the staff should be well acquainted and should be conversant in maintenance of sophisticated electrical and mechanical equipment provided in the BWR-IV
12. If it is found during the course of work, if any electrical equipment damaged the cost of the same will be recovered from the bills of the contractor.

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13. The contract is liable for termination with a short notice of 10 days, if the work is not found satisfactory or the contractor does not carryout regular maintenance and cause delay for operational requirement of Port Trust.
14. The contractor is advised to inspect the BWR-IV before submitting the Tender. No covered space or room will be provided for the contractor.
15. The contractor and his employees should always maintain discipline and cordial relationship with VPT officials. They should never argue or so disobedient of the instructions. Failure of the same will be viewed seriously and severe action deemed will be taken immediately.
16. Completion-cum- commencement report shall be submitted by the contractor.
17. The contractor shall contact the Engineer-in-Charge for any clarifications.
18. The contractor should work in close coordination with other contractors and departments of the Port Trust.
19. The work will be executed in the prohibited area and the contractor has to obtain necessary passes for the workmen and vehicles through the Engineer-in-Charge from the Commandant, C.I.S.F., Visakhapatnam Port Trust.
20. All rules and regulations governing the VPT shall be applicable.
21. Transportation of personnel shall be contractor's responsibility.
22. All claims of the Port against the contractor whether arising out of this contract or any other transaction of claims whatsoever will be recovered from the amount due to the contractor on account of this contract.
23. The contractor shall submit his offer in the original tender schedule duly filled in and signed on all the pages of the schedule and affixing his office seal.
24. The maintenance of the BWR-IV shall be carried out by properly skilled electricians under the supervision of suitable Electrical Supervisors.
25. The contractor shall furnish APGST Registration certificate and Electrical Contractor's License.
26. The payment will be made monthly after successful completion of work for each month duly certified by Engineer-in-Charge on written request of the contractor.

VISAKHAPATNAM PORT TRUST  
ORE HANDLING COMPLEX

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Name of work: Maintenance contract of 4000 TPH capacity Bucket Wheel Reclaimer IV, Conveyor S1 and Drive house H6 of OHC for trouble free operations- for a period of three months

1. Round the clock maintenance of 4000 TPH BWR-IV by engaging the following staff in each shift for coordinating with the operational staff for trouble free operation and 'switching on' the various drives whenever and wherever necessary. Adjustment of various devices like cable reels, switching units, etc., as necessary during operation is carrying out running maintenance.

Staff for shift:

- a) Qualified Engineer (Diploma holder electrical) -
- b) Highly skilled technician with diploma/ITI certificate(**Electrical**)

2. Maintenance of the BWR-IV in general shift with the following staff for trouble free operation of the equipment. The staff will inspect the equipment and rectify the various defects of the machine and carry out all the preventive maintenance and also periodical maintenance of all the electrical equipment of the BWR-IV

Staff for general shift:

- a) Qualified Engineer (Diploma holder electrical) -
- b) Highly skilled technician with diploma/ITI certificate(**Electrical**) –
- c) Helper -

NOTE: THERE SHOULD BE 4 NOS SUPERVISORS, 4 NOS SKILLED ELECTRICIANS AND 1 NO. HELPER IN TOTAL.

3. The necessary spares required for replacement will be supplied by VPT on free of cost on producing and return of un serviceable spares. However, the contractor has to try to repair and kept in service the same part, before replacing the spare unit. The consumables like K-oil, cotton waste, insulation tapes, required cleaning agents has to be supplied by the contractor along with the required tools and tackles. Other consumables will be supplied by VPT at free of cost.
4. Attending for breakdown jobs of electrical equipment at BWR-IV like removal and replacement of all HT and LT motors, removal and replacement of trailing cables, repair and replacement of light fittings and auxiliary equipment replacement of materials in cable chamber including cleaning the chamber.

5. Carrying out the schedule maintenance for the equipment daily, weekly and monthly and submission of reports/records along with the muster books.
6. Any electrical replacement to the existing system should be carried out by the contractor as per the disctions of engineer-in-charge and should be commission the same immediately to avoid the operational delays.
7. The average time showing against each item required for changing of any of the following items will be treated as a running breakdown time and additional time beyond shown against each will be considered for levying penalty at the double prorated payment for the equipment for hour of the part thereof. Stoppage for less than 30 minutes will be treated as period with no penalty in a span of eight hours. Stoppage beyond 30 minutes will be levied penalty.

a) Replacement of HT motors	----	8 hrs.
b) Replacement of LT motors	----	2 hrs.
c) Replacement of LT thrustors	----	1 hr.
d) Replacement of power cable	----	8 hrs.
e) Replacement of control cables	----	6 hrs.
f) Replacement of relays and contactors	.....	1hrs

8) The maintenance work carried during non-operational period of the equipment should be recorded in the electrical maintenance log book and while operation shift wise information log book should be submitted by the contractor to the engineer-in-charge on end of the month.

9) necessary engagement of additional electrical staff as demanded by the situation in the responsibility of contractor only.

NOTE: If any other breakdowns during the operation, in addition to the above, the decision of Engineer-in-charge shall be final to fix the average time required for attending to.

**ANNEXURE-IX**

**VISAKHAPATNAM PORT TRUST  
ORE HANDLING COMPLEX**

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Name of work: Maintenance contract of 4000 TPH capacity Bucket Wheel Reclaimer IV, Conveyor S1 and Drive house H6 of OHC for trouble free operations- for a period of three months

**MAINTENANCE PROGRAMME  
ELECTRICAL:**

**DAILY MAINTENANCE SCHEDULE:**

1. General cleaning of dust of all motors, electrical equipment and all control panels.
2. Checking of both power, control cables and trailing cables physically and to be noted for any damage
3. Checking of function of all limit switches and auxiliary equipment while in operation
4. Observation of the temperatures and unusual sounds of the relating mechanism while in operation.
5. Checking the function of both PCRD and CCRD for correct winding and unwinding of cables and cleaning the dust and fines on from the moving parts of the mechanism and made free ore observations of the cable tension limit switches for correct operation.
6. Observation and noting down the readings of different motor currents and recording them.
7. Checking the function of lub oil/grease/glover motor for good working condition.
8. Checking the functions of all break thrustors while in operation
9. Checking of communication system, lighting of the equipment, replacement/ rectification of bulbs/tubes wherever necessary
10. Checking of the tripping system
11. Following the operations of the reclaimer in coordination with operational, vulcanizing, electronic and maintenance staff for necessary operations. Also to attend the rectify the faults, in reasonable time which would democross during the operation from time to time
12. Any problem in PLC/Thyristor panels observed may be noted and informed to electronic section for necessary action and coordinate with them for rectification.

**WEEKLY MAINTENANCE SCHEDULE:**

1. Lubrication of cable reeling mechanism and checking the cable reeling gear boxes, function and oil levels of gear boxes and lubricating the spooling devices.
2. Checking of the thrustor oils of all the thrustors and topping up of oil to the required level and checking the brakes function with the help of mechanical staff
3. Blowing out the dust from all the electrical equipment and panels

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4. Checking all the A.R.P. connections of all control panels.
5. Checking the tripping system of all emergency switches tripping system of HT panels for O/L and B/F and manual tripping of MCCB and chaining system functions for good operation.
6. Maintenance of control tasks at operations cable.
7. Through blowing of all D.C.machines (i.e.travelling and slewing motors) and inspecting the items as per the maintenance schedule given.
8. Maintenance of all L.T.Motors as per the schedule given.
9. Checking of cable chamber and cleaning of all the fines ores accumulated in the chamber, checking the condition of power/control cables, checking the condition of slewing limit switches in the chamber and their working condition. Insulating the cables if there is any damage.
10. Checking of all junction boxes for any loose connectors and to replace for any burnt/damaged connections.
11. Checking of cable connections and sliprings in the H.T. and control cable reeling slipring which are fixed to the PCAD and OCRD.
12. Checking of cable erecting resistance cubicles and their termination and blowing out the dust from the resistance cubicles.
13. Checking the function of HOIST/LOWER solenoids and their connections.
14. Maintenance of auxiliary equipment of the electrical equipment as per the schedule given.
15. Maintenance of all HT motors as per the maintenance schedule given.
16. Maintenance of power transformer (315 KVA, 3.3. KV/415V) and lighting transformer as per the maintenance schedule given.
17. Checking of all indications and rectifications/replacement of bulbs if required.
18. Checking of all motor control centres for any loose connections at breakers, over loading, rectifiers, contractors and checking function of relays, timers, and replacing if necessary. Checking the function of all HT load breakers, switches DOL starter panels and incoming HT panels and carrying of the maintenance schedules.
19. Greasing of all HT and LT motors
20. Checking the bed bolts of HT and LT motors including DC motors.
21. Checking the condition of TACHO generators of travelling and slewing.

OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT SYSTEM  
(OHSAS) 18001-1999:

01. The Visakhapatnam Port Trust is affiliated to quality management system (ISO 9001-2000),

Environmental Management System(ISO 14001-1996) and Occupational Health and Safety Assessment Series(OHSAS 18001-1999) for their activities. One copy each of the policies of QMS, EMS and OHSAS are enclosed herewith. The Contractor shall comply with all the requirements of ISO 9001-2000, ISO 14001-1996 and OHSAS 18001-1999 standard.

02. The Contractor shall while carrying out the work abide by safety tasks, rules, regulations and procedures established by Visakhapatnam Port Trust as prescribed in the manuals, HIRA format, works instructions, operational control procedures. Copies of the same will be made available to the contractor up-on request for reference.

03. The contractor shall abide by all Safety Standards and codes attributable to the material and goods to be delivered to site.

04. The contractor shall participate in safety awareness, meetings held at site adhere to the instructions issued and shall also adhere to the safety programmes established by VPT.

05. The contractor shall be responsible for health/safety of their personnel including workers during their work at site and correct any deficiencies in the above matters.

06. The contractor shall plan work activities so that all work will be done in compliance with the rules and regulations and procedure established by VPT and to follow safety working practices and keep site clean and neat.

07. The Contractor shall ensure availability of appropriate personal protection equipment such as safety helmets, safety shoes, gloves, life saving equipment nose guard, ear plugs, safety harness, gaugles to their employees/workers etc., and ensure wearing of PPE's by their employees/workers etc., while carrying out the works.

08. The Contractor shall ensure that all their construction plant and equipment to be employed on the work site is in safe and fully efficient working condition and arrange for carrying out required tests from time to time to submit certificates of such tests carried out according to safety regulations and ensure proper maintenance of the Plant and equipment.

09. The Contractor shall investigate and report in writing to Engineer-in-Charge about accidents if any taking place at site of work including near misses cases and based on reviews take remedial measures and implement the corrective action to ensure safe working conditions at site of work.

10. The Contractor shall arrange to provide First-aid facility at site for immediate treatment.

11. The Contractor shall submit daily labour report including supervisors etc., with clearly specifying the names and their age to the VPT's Engineer or his authorized representative at site. Also record of about working beyond working hours shall be maintained and submitted to the VPT Engineer or his authorized representative at site.

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**VISAKHAPATNAM PORT TRUST  
MECHANICAL AND ELECTRICAL ENGINEERING DEPARTMENT**

**GENERAL DIRECTIONS:**

1. All works proposed for execution by Contract will be notified in the form of invitation to Tender pasted in public places and signed by the Chief Mechanical Engineer, Visakhapatnam Port Trust.

This form will state the work to be carried out, as well on the date for submitting and opening Tenders and the time allowed for carrying out the work also. The amount of Earnest Money to be deposited with the Tender and the amount of Security Deposit to be deposited by the successful Tenderer and the percentage, if any, to be deducted from Bills. Copies of the specifications, designs and drawings and any other documents equipped in connection with the work signed for the purpose of identification by the Chief Mechanical Engineer, Visakhapatnam Port Trust, shall also be open for inspection by the Contractor at the Office of the Chief Mechanical Engineer, Visakhapatnam Port Trust during office hours.

2. In the event of the Tender being submitted by a firm, it must be signed separately by each member thereof, or in the event of the absence of any partner, it must be signed on his behalf by a person holding a power of Attorney, authorizing him to do so. Such power of Attorney to be produced with the Tender and it must disclose that the firm is duly registered under the Indian Partnership Act.

3. Receipts for payment made on account of a work when executed by a firm must also be signed by the several partners, except where the Contractors are described in their Tender as a firm, in which case the receipts must be signed in the name of the firm by one of the officials, for the firm.

4. Any person who submits a Tender shall fill up the usual Printed Form, stating at what rate he is willing to undertake each item of work. Tenders which propose any alteration in the work specified in the said form of Invitation to Tender or in the time allowed for carrying out the work, of which contain any other conditions of any sort will be liable for rejection. No single Tender shall include more than the work, but the Contractors who wish to Tender for two or more works, shall submit separate Tenders for each. Tender shall have the name and number of the work to which they refer, written outside the envelope.

5. The Tender Committee constituted for the purpose, will open Tenders in the presence of any intending Contractors, who may be present at the time, and will cater the amounts of the several Tenders in a comparative statement in a suitable form, in the event of a tender being accepted, a receipt for the Earnest Money forwarded therewith, shall thereupon be given to the Contractor, who shall thereupon, for the purpose of identification, sign copies of the specifications and other documents mentioned in Rule-1. In the event of a tender being rejected, the Earnest Money forwarded with such unaccepted tender, shall thereupon be returned to the Contractor making the same.

6. The Board shall have the right of rejecting all or any of the tenders and will not be bound to accept the lowest tender.

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7. The receipt of an accountant or clerk for any money paid by the Contractor will not be considered as an acknowledgement of a payment to the F.A.& C.A.O. (Port Trust) and the Contractor shall be responsible for seeing that he procures a receipt signed by the F.A.& C.A.O. (Port Trust) of a duly authorised Cashier.

08. The memorandum of work tendered for, and the Schedule of materials to be supplied by the Port Trust Mechanical Engineering Department, shall be filled in and completed in the office of the Chief Mechanical Engineer before the Tender Form is issued. If the Form is issued to an intending tenderer without having been so filled in the completed, he shall request the office to have this done before he completes and delivers his tender.

#### **IV. CONDITIONS CONTRACT**

##### **SECURITY DEPOSIT:**

##### **CLAUSE-1**

(This will be the same percentage as that in the Tender at (E))

The person/persons whose tender may be accepted (hereinafter called the Contractor) shall (a) within one day for a Contractor of Rs.1,000/- or less, two days for one of Rs.2,000/- or less and so on upto a limit of ten days of the receipt by him of the notification of the acceptance of his tender) Deposit with the Financial Adviser and Chief Accounts Officer (Port Trust) in Cash or Government Securities, endorsed to the Financial Adviser and Chief Accounts Officer (Port Trust) (if deposited for more than 12 months) a sum sufficient with amount of the Earnest Money deposited by him with his Tender to make up the full Security Deposit specified in the Tender or

(b) permit the Board at the time of making any payment to him for work done under the Contract to deduct such sum as will (with the Earnest Money deposited by him), amount to ten percent of all moneys to be payable, such deductions to be held by the Board by way of Security Deposit provided always that in the event of the Contractor depositing a lump sum by way of Security Deposit as contemplated at (A) above, then and in such case, if the sum so deposited shall not amount to ten percent of the total estimated cost of the work, it shall be lawful for the Board at the time of making any payment to the Contractor for work done under the Contract to make up the full percentage of percent, by deducting a sufficient sum of every such payment at last aforesaid. All compensation or other such money payable by the Contractor to the Board under the terms of his Contract, may be deducted from or paid by the sale of a sufficient part of his Security Deposit or from the interest arising there from or from any sums or any account whatsoever and in the event of his Security Deposit being reduced by reason of any such deduction or sale as aforesaid, the Contractor shall within ten days thereafter make good in cash or Government Securities as aforesaid, any sum or sums which may have been deducted from or raised by sale of his Security Deposit or any part thereof.

##### **CLAUSE – 2**

**A)** The time allowed for carrying out the work as entered in the Tender shall be strictly observed by the Contractor and shall be reckoned from the date on which the Order to commence work is given to the Contractor. The work shall throughout the stipulated period of the Contract, be processed with all due diligence (time being deemed to be of the essence of the Contract on the part of the Contractor) and the Contractor shall play as compensation, an amount equal

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to ½ percent per every week of delay, subject to a maximum of 10% on the whole Contract value as the competent authority whose decision in writing shall be final) may decide on the amount of the Contract value of the whole work as shown by the tender that the work remains uncommenced or unfinished, after the proper dates and further, to ensure good progress during the execution of work, the Contractor shall be bound in all cases in which the time allowed for any work exceeds one month, to complete one fourth of the whole of the work before one fourth of the whole time allowed under Contract, has elapsed, one half of the work, before one half of such time has elapsed and three fourths of the work before three fourth of such time has elapsed. In the event of the Contractor failing to comply with this condition, he shall be liable to pay as compensation, an amount as mentioned above, as the competent authority (whose decision in writing shall be final) may decide on the said Contract value of the whole work for every week that the due quantity of the work remains incomplete.

**B.)** A penalty of 10% will be levied, if there is any deviation in specification, other than that agreed by V.P.T.

**NOTE:**The competent authority in this case, the authority empowered to sanction the work. b) In case the Contractor violates any condition in the Contract or the approved specification and / or delivery schedules, the Contractor shall be liable to pay penalty at a sum not exceeding 10% of the Contract price as decided by the competent authority.

### **CLAUSE – 3**

(Action when whole of Security Deposit is forfeited)

In any case in which under any Clause or Clauses of this Contract, the Contractor shall have rendered himself liable to pay compensation amounting to the whole of his Security Deposit (whether paid in one sum or deducted by instalment) or submitted a breach of any of the Terms contained in Clause 19-B, the Chairman, on behalf of the Board shall have power to adopt any of the following course, as he may deem, best suited to the interest of the Board.

(a) (i) "To rescind the Contract (of which the Rescission Notice / Order, intimating the Contractor, under the hand of Chairman or the Authority nominated by the Chairman, with the approval of Chairman, VPT, shall be the conclusive evidence) and in which case, the Security Deposit to the Contractor shall stand forfeited and be absolutely at the disposal of the Board".

(a) (ii) "To rescind the Contract ( of which the Rescission Notice./Order, intimating the Contractor, under the hand of C.M.E./VPT in respect of Contracts in Mechanical Department, or their subordinate officers for Contracts awarded up to Rs.3. lakhs (Rupees three lakhs only) with the prior approval of Chairman, VPT., shall be the conclusive evidence) and in which case, the Security Deposit to the Contractor shall stand forfeited and be absolutely at the disposal of the Board".

(b) To employ labour paid by the Port Trust, Mechanical Department and to supply materials to carry out the work or any part of the work, debiting the Contractor with the cost of the labour and the price of the materials of the amount of which case and price, a certificate of the Engineer-in-charge shall of final and conclusive against the Contractor and crediting him with the value of the work done, in all respects in the same manner and at the same rates as in had been carried out by the Contractor under the terms of his Contract, the certificate of the Engineer-in-charge as to the value of the work done shall be final and conclusive against the Contract.

(c) To measure up the work the Contract and to take such part thereof as shall

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be unexecuted, out of his hands and to give it to another Contractor to complete, in which case, any expenses which may be incurred in excess of the sum which would

have been executed by him (of the amount of which excess the certificate in writing of the Engineer-in-charge shall be final and conclusive) shall be borne and paid by the original Contractor and may be deducted from any money due to him by the Board under the Contract or otherwise from his Security Deposit or the proceeds of sale thereof or a sufficient part thereof.

In the event of the above course being adopted by the Board, the Contractor shall have no claim to compensation for any loss sustained by him by reason of his having purchased or procured any materials or entered into any engagements or made any advance on account of, with a view to the execution of the work or the performance of the Contract or the performance of the Contract, and in case the Contract shall be rescinded under the provision 'aforesaid', the Contractor shall not be entitled to recover or be paid any sum for any work thereto actually performed under his Contract, unless and until the Chief Mechanical Engineer, Visakhapatnam Port Trust, will have certified in writing, the performance of such work and the value payable in respect thereof and he shall be entitled to be paid the value so certified.

**CLAUSE – 4**

(The Contractor remains liable for compensation if action is not taken under clause-3)

(Power to take possession of or sell Contractor's plant)

In any case in which any of the powers conferred upon the Board by Clause 3 thereof, shall have become exercisable and the same shall not be exercised, the non-exercise thereof shall not constitute a waiver of any of the conditions hereof and such powers shall not, withstanding be exercisable in the event of any further case of default by the Contractor for which by any clause or clauses hereof, he is declared liable to pay compensation amounting to the whole of his Security Deposit and the liability of the Contractor for the past and future compensation shall remain unaffected. In the event of the Board putting into force either or the powers (a) or ( c ) vested on him under the proceeding clause, he may, if he so desires, take possession of all or any tools, plant materials and stores, in or upon the works or the site thereof or belonging to the Contractor or procured by him and intended to be used for the execution of the work or any part thereof, paying or allowing for the same in account at the Contract rates, or in case of these being not applicable, as current market rates to be certified by the Engineer-in-charge whose certificate thereof, shall be final, otherwise the Chief Mechanical Engineer may be noticed in writing to the Contractor, of the works Foreman or authorised agent require him to remove such tools, plant, materials of store from the premises within a time to be specified in such notice) and in the event of the Contractor failing to comply with any such requisition, the Engineer-in-charge may remove them at the Contractor's expenses or sell them by auction or private sale on account of the Contract and at his risk in all respects and the certificate of the Engineer-in-charge as to the expense of any such removal and the amount of the proceeds and expenses of any such sale shall be final and conclusive against the Contractor.

**CLAUSE – 5**

(Extension of time)

If the Contractor shall desire on extension of the time for completion of the work

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on the grounds of his having been unavoidably hindered in its execution or any other grounds, he shall apply in writing to the Chief Mechanical Engineer within 30 days of the date of the hindrance on account of which he desired such extension as aforesaid and the Engineer-in-charge shall if in his opinion (which shall be final) reasonable grounds be showed therefore authorise such extension of time, if any as may in his opinion be necessary or proper.

#### **CLAUSE – 6**

(Final Certificate)

On completion of the work, the Contractor shall be furnished with a certificate by the Chief Mechanical Engineer on such completion, but no such certificates shall be given nor shall the work be considered to be completed until the Contractor shall have removed from the premises on which the work shall be executed, all scaffolding, surplus of materials and rubbish, and cleaned floors or other parts of any building in, upon or about which the work is to be executed or which he may have had permission for the purpose of the execution thereof, nor until the work shall have been measured by the Chief Mechanical Engineer, whose measurements shall be binding and conclusive against the Contractor. If the Contractor shall fail to comply with the requirements of this clause as to removal of scaffolding, surplus material and rubbish and cleaning of the dirt on or before the date fixed for the completion of the Contract, or remove such scaffolding, surplus materials and rubbish and dispose of the same as he thinks and cleans off such dirt as aforesaid and the Contractor shall forthwith pay the amount of all expenses so incurred, and shall have no claim in respect of any such scaffolding or surplus materials as aforesaid, except for any sum mutually realised by the sale thereof.

#### **CLAUSE – 7**

(Payment or intermediate certificate regarded as evidence)

No payment shall be made for works estimated of cost less than Rupees One Thousand till after the whole of the work shall have been completed and a certificate of completion given. But, in the case of works estimated to cost more than Rupees One Thousand, the Contractor shall on submitting the bill therefore, be entitled to receive a monthly payment proportionate to the part thereof then approved and passed by the Chief Mechanical Engineer whose certificate of such approval and passing of the sums payable shall be final and conclusive against the Contract. But all such intermediate payments shall be regarded as payments; for works actually done and completed and shall not preclude the requiring of bad, unsound and imperfect or unskilled work to be removed and taken away and reconstructed, or re-erected or to be considered as the admission of the due performance of the Contract, or any part thereof in any respect or the accruing of any claim nor shall include, determine or affect in any way, the powers of the Chief Mechanical Engineer under these conditions or any of them as to the final settlement and adjustment of the accounts or otherwise, or in any other way vary or affect the Contract. The final bill shall be submitted by the Contractor within one month of the date fixed for completion of the work, otherwise the Engineer-in-charge's certificate of the measurement and of the total amount payable for the work accordingly shall be final and binding on all respects.

#### **CLAUSE – 8**

The Contractor shall submit all bills on the printed, typed or cyclo-styled forms and the changes in the bills shall always be entered at the rates specified in the Tender or in the case of any extra work ordered in pursuance of these

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conditions and not mentioned or provided for in the tender at the rate hereinafter provided for such works.

**CLAUSE – 9**

(Payment of Contractor's bills to bank)

Payments due to the Contractor may, if so desired by him, be made to his bank, instead of direct to him, provided that the Contractor furnishes to the Chief Mechanical Engineer (1) an authorization in the form legally valid documents, such as a power of attorney conferring authority on the bank to receive payment and (2) his own acceptance of the correctness of the account made out as being due to him by the Board on his signature on the bill or either claim preferred against the Board before settlement by the Engineer-in-charge of the account or claim by payment to the bank, while the receipt given by such bank shall constitute a full and sufficient discharge for the payment, the Contractor should wherever possible present his bills, duly receipted and discharged through his bankers. Nothing herein contained shall operate to create in favour of the Bank, any right or equities vis-à-vis the Board of Trustees of Visakhapatnam Port trust.

**CLAUSE – 10**

(Stores supplied by the Board)

If the specifications or estimate of the work provides for the use of any special description of materials to be supplied from the Chief Mechanical Engineer's stores or if it is required that the Contractor shall be certain that the stores to be provided by the Chief Mechanical Engineer ( such materials and stores and price to be charged there therefore, the convenience of the Contractor, but not so as in any way to control the meaning or effect of this Contract specified in the schedule of Memorandum hereto annexed) the Contractor shall be supplied with such materials and stores as required from time to time to be issued by him for the purpose of the Contract duly and the value of the full quantity of materials and stores so supplied at the rates specified in the said Memorandum may be set off or deducted from any sums then due or thereafter to become due to the Contractor under the Contract, or otherwise or against the Security Deposit or the process of sales thereof if the same is held in government securities, the same or a sufficient portion thereof being in this case, sold for the purpose. All materials supplied to the Contractor shall retain the absolute property of the Board, and shall not on any account, be removed from the site of work, and shall at all times be open to inspection by the Engineer-in-charge. Any such materials unused and in perfectly good condition at the time of completion of determination of the Contract, shall be returned to the Engineer-in-charge's stores if by a notice in writing under his hand he shall so require but the Contractor shall not be entitled to return any such materials unless with such consent and shall have no claim for compensation on account of any such materials supplied to him as aforesaid being unused by him or for any shortage in or damage to any such materials.

**CLAUSE – 11**

(Work to be executed in accordance with specifications, drawings, orders etc.)

The Contractor shall execute the whole and every part of the work in the most substantial and workman like manner and both as regards materials and otherwise in every respect in strict accordance with the specifications. The Contractor shall also conform exactly, fully and faithfully, to the designs, drawings and instructions in writing, relating to the work signed by the Chief Mechanical Engineer and ledged in his office to which the Contractors shall be entitled to have access at such office or on the site of the work for the purpose

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of inspection during office hours and the Contractor shall, if he so requires be entitled at his own expenses, to make or cause to be made copies of the specifications and of all such designs drawings and instructions as aforesaid.

**CLAUSE – 12**

(Alterations in specifications and designs do not invalidate Contract extension of time in consequence of alterations)

(Rates for works not in estimate or Schedule)

The Engineer-in-charge shall have power to make any alteration in, omissions from, additions to, or substitutions, for the original specifications drawings designs and instructions, that may appear to him to be necessary or advisable during the progress of the work and the Contractor shall be bound to carryout the work in accordance with any instructions which may be given to him in writing signed by the Engineer-in-Charge and such alterations, omissions, additions or substitutions shall not invalidate the contract and any altered, additional or substituted work which the Contractor may be directed to do in the manner above specified as part of the work shall be carried out by the Contractor on the same conditions in all respects on which he agreed to do the main work and at the same rates as are specified in the tender for the main work. The time for the completion of the work shall be extended in the proportion that the altered, additional or substituted work bears to the original contract work and the Certificate of the Engineer-in-Charge shall be conclusive as to such proportion. And if the altered, additional or substituted work includes any class of work for which no rate is specified in this contract, then such class of work shall be carried out at the rates entered in the schedule of rates of the Visakhapatnam Port Trust district which was in force at the time of the acceptance of the contract MINUS/PLUS the percentage which the total tendered amount bears to the estimated cost of the entire work put to tender and if the altered additional or substituted work is not entered in the said schedule of rates then the Contractor shall within seven days of the date of this receipt of the order to carry out the work inform the Engineer-in-Charge of the rates which it is his intention charge for such class of work and if the Engineer-in-Charge does not agree to his rate he shall, by notice in writing, be at liberty to cancel his order to carry out such class of work and arrange to carry out in such manner as he may consider advisable PROVIDED ALWAYS that if the Contractor shall commence work to incur any expenditure in regard thereto before the rates shall have been determined as lastly herein before mentioned then and in such case he shall only be entitled to be paid in respect of the work carried out or expenditure incurred by him prior to the date of the determination of the rate as aforesaid according to such rate or rates as shall be fixed by the Engineer-in-Charge in the event of a dispute the decision of the Chief Engineer of the circle shall be final.

**CLAUSE – 13**

(No compensation for alteration or restriction of work to be carried out)

If at any time after the commencement of the work, the Board shall for any reason whatsoever, not require the whole thereof as specified in the Tender to be carried out, the Chief Mechanical Engineer shall give notice in writing of the fact to the Contractor; who shall have no claim to any payment or compensation whatsoever on account of any profit or advantage which he might have derived from the execution of the work in full, but which he did not derive in consequence of neither shall he have any claim for compensation by reason of any alterations having been made in the original specifications, drawings, designs and instructions which shall involve any curtailment of the work as originally

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contemplated.

**CLAUSE – 14**

(Ratio and compensation payable in cast of the work)

If it shall appear to the Chief Mechanical Engineer or his subordinate in-charge of the work that any work has been executed with unsound imperfect or unskillful workmanship or with materials of any inferior description or that any materials or articles provided by him for the execution of the work, are unsound or of a quality inferior to that Contracted for or otherwise not in accordance with the Contract, the Contractor shall on demand in writing from the Chief Mechanical Engineer specifying the work, materials for articles complained of not withstanding that the same may have been inadvertently passed certified and paid for, forthwith rectify or remove and reconstruct the work so specified in whole or in part, as the case may require, or as the case may be removed the materials or articles at his own proper charge and cost and in the event of his failing to do so within a period to be specified by the Chief Mechanical Engineer his demand aforesaid, then the Contractor shall be liable to pay compensation at the rate of one percent of the amount of the estimate for every day not exceeding ten days while his failure to do so shall continue and in the case of any such failure, the Chief Mechanical Engineer may rectify or remove, and re-execute the work or remove and replace with others, the materials or articles complained of as the case may be at the risk and expense in all respects of the Contractor.

**CLAUSE – 15**

(Works to be open to inspection)

(Contract responsible agent to be present)

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All works under or in course of execution or executed in pursuance of the Contract shall at all times be open to the inspection and supervision of the Chief Mechanical Engineer and his subordinate, and Contractor shall at all times during the usual working hours and at all other times at which reasonable notice of the intention of the Engineer-in-charge or his subordinate to visit the works, shall have been given to the Contractor, either himself be present to receive orders and instructions or have responsible agent, duly accredited in writing, present for that purpose.

Orders given by the Contractor's agent shall be considered to have the same force as if they had been given to the Contractor himself.

**CLAUSE – 16**

(Notice to be given before work is covered etc.)

The Contractor shall give not less than five days notice in writing to the Chief Mechanical Engineer or his subordinate in-charge of the work before covering up or otherwise placing beyond the reach of measurement any work on order that the same maybe measured, and the correct dimensions thereof be taken before the same is so covered up or place beyond the reach of measurement without such notice having been given or consent obtained, the same shall be uncovered at the Contractor's expense or in default thereof on payment of allowance shall be made for such work or the materials with the same was executed.

**CLAUSE – 17**

(Contractor liable for damage and for imperfections for 3 months after certificates)

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If the Contractor or his work people or servants shall break, deface, injure

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or destroy any part of the building in which they may be working or any building, road, road fence, enclosure, water pipes, cables, drains, electric or telephone posts or wires, trees, grass or grassland or cultivated ground continuous to the premises on which the work or any part of it is being executed or if any damage shall happen to the work, while in progress, from any cause whatever, or any imperfections become apparent in it, within three months (six months in the case of a road work) after a certificate final or other of its completion shall have been given the Chief Mechanical Engineer as aforesaid, the Contractor shall make the same good at his own expense, or in default, the Chief Mechanical Engineer may cause the same to do more good by other workmen and deduct the expense (of which the certificate of the Chief Mechanical Engineer shall be final from any sums that maybe there, or at a time thereafter may become due to the Contractor or from his Security Deposit, or the proceeds of sale thereof or of a sufficient portion thereof. The Security Deposit of the Contractor shall not be refunded before expiry of three months ( six months in case of road work) after the issue of the certificate final or otherwise of completion of work, provided that in the case of a road work, if in the opinion of the Chief Mechanical Engineer if half of the Security Deposit is sufficient to meet all the liabilities of the Contractor under the Contract half of the Security Deposit will be refundable after three months and the remaining half after six months of the issue of the said certificate of completion.

#### **CLAUSE – 18**

(Contractor to supply plant, ladders, scaffoldings, etc and is liable for damages arising from non-provision of lights fencing etc.)

The Contractor shall supply at his own cost, materials (except such special materials, if any as may be accordance with the Contract, be supplied from the Engineer-in-Charge's stores) plant, tools appliances, implements, ladders, cordge, tackle, scaffoldings and temporary works, requisites or proper, for the proper execution of the work,. Whether original, altered or substituted, and whether included in the specification or other documents forming part of the Contract or referred to in these conditions or not on which may be necessary for the purpose of satisfying or complying with the requirements of the Chief Mechanical Engineer, as to any matter as to which under these conditions he is entitled to be satisfied or which he is entitled to require together with carriage therefore to and from on the work. The Contractor shall also supply without charge, the requisite number of persons with the means and materials necessary for the purpose of setting out work and counting, weighing and insisting in the measurement or examination at any time and from time to time, of the work or materials. Failing his so doing the same may be provided by the Chief Mechanical Engineer and the expense may be deducted from any money due to the Contractor and the Contract or from his Security Deposit or the proceeds of sale thereof or of a sufficient position thereof. The Contractor shall also provide all necessary fencing and lights required to protect the public from accident and shall be found to bear the expenses of defense of every suit, action or other proceedings at law that maybe brought by any person for injury sustained, owing to neglect of the above precautions and to pay any damages and costs which may be awarded in any such suit, action or proceedings to any such person or which may with the consent of the Contractor be paid to compromise any claim by any said person.

#### **CLAUSE – 18 (A)**

In every case in which by virtue of the provisions of Section 12, Sub-

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section

(1) of the workman's compensation Act, 1923 (Government is obliged to pay compensation to workmen employed by the Contractor, in execution of the works) the Board will recover from the Contractor, the amount of the compensation paid and without prejudice to the rights of Board under Section 12, Sub-section(2) of the said Act, the Board shall be at liberty to recover such amount or (any part thereof by deducting it from the Contractor whether under this Contract or otherwise. The Board shall not be bound to contest any claim made against it under Section 12, Sub-section(1) of the said Act, except on the written request of the Contractor and upon his giving to the Board full security for all costs for which the Board might become liable in consequence of contesting such claim.

**CLAUSE 19:** Female labour shall not be employed in this Contract.

**CLAUSE – 19(A):**(Labour)

No labour below the age of eighteen years shall be employed in the work.

**CLAUSE – 19(B)**

(Explanation)

(a) The Contractor shall pay not less than the fair wage to labourers engaged by him on the work.

'Fair Wage' means wage whether for time or piece work notified at the time of inviting tenders for the work and where such wages have not been so notified, the wages prescribed by the Central Public Department for the district in which work is done.

(b) The Contractor shall notwithstanding the provision of any Contract to the contrary, cause to be paid a fair wage to labourers indirectly engaged on the work, including any labourers engaged by his sub-Contractors in connection with the said work as if the labourers had been immediately employed by him.

(c) In respect of all labour directly or indirectly employed in the works for the performance of the Contractor's part of this arrangement, the Contractor shall comply with or cause to be complied with the Central Public Works Department Contractor's

Labour Regulations made by the Board from time to time in regard to payment of wages, wage period, deductions from wages, recovery of wages not paid and deductions unauthorisedly made, maintenance of wage register, wage cards, publication of scale of wages and other terms of employment, inspection and submission of periodical return and all other matters of a like nature.

(d) The Chief Mechanical Engineer shall have the right to deduct from the moneys due to the Contractor, any sum required or estimated to be required for making good the loss suffered by worker / workers by reasons of non-fulfilment of the conditions of the Contract for the benefit of the workers non-payment of wages or of deductions made from his or other wages which are not justified by their terms of the Contract or non observance of the Regulations.

(e) Vis-à-vis the Board, the Contractor shall be primarily liable for all payments to be made under and for the observance of the Regulations as preside without prejudice to his right to claim indemnity from his sub-Contractors.

(f) The Regulations aforesaid shall be deemed to be a part of this Contract and as a breach thereof shall be deemed to be a breach of this Contract.

**CLAUSE 19.1**

(Health & Meals arrangements for workers)

In respect of all labour directly or indirectly employed in the works for the performance of the Contract part of this agreement, the Contractor shall comply

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with or cause to be complied with all the rules framed by the Board from time to time for the protection of health and sanitary arrangements for workers employed by the Central Public Works Department and its Contractors.

**CLAUSE – 20**

(Works on Sundays)

No work shall be done on Sundays without the sanction in writing of the Chief Mechanical Engineer.

**CLAUSE – 21**

(Work not be sublet Contract may be rescinded Security Deposit forfeited for subletting or bribing or if the Contractor becomes insolvent)

The Contractor shall not assign or sub-let without the written approval of the Chief Mechanical Engineer and if the Contractor shall assign or sub-let this Contract, or attempt to do so, or become insolvent or commence any insolvency proceedings or make any compromise with his creditors or attempts to do so, or if any bribe, gratuity, gift, loan, prejudice regard of advantage pecuniary or otherwise, shall either directly or indirectly be given, promised Contract, or any of his servants, or agents to any Public Officer or person in the employ of the Board in any way relating to this Officer or employment, if any such Officer or person becomes in any way directly or indirectly interested in the Contract, the Chief Mechanical Engineer may, thereupon by notice in writing rescind the Contract, and the Security Deposit of the Contractor shall, thereupon stand forfeited and be absolutely at the disposal of the Board, and the same consequences shall ensue as if the Contract had been rescinded under Clause 3 thereof and in addition the Contractor shall not be entitled to recover and be paid for any work thereto, for the work actually performed under the contract.

**CLAUSE – 22**

(Sum payable by way of compensation to be considered as reasonable compensation without reference to actual loss. Change in constitution of firm)

All sums payable by way of compensation under any of these conditions shall be considered as reasonable compensations to be applied to the use of the Board without reference to the actual losses or damage sustained.

**CLAUSE – 23**

In the case of a Tender by partners any in the constitution of the firm shall be forthwith notified by the Contractor to the Chief Mechanical Engineer for his information.

**CLAUSE – 24**

All works to be executed under the Contract shall be executed under the direction and subject to approval in all respects of the Chief Mechanical Engineer, Visakhapatnam Port Trust, for the time being who shall be entitled to direct that point or points and on what manner they are to be commenced and from time to time carried on.

**CLAUSE – 25 TO 29 CLAUSE DELETED.**

(Arbitration Clause)

**CLAUSE – 30**

The Contractor shall obtain from the stores of the Engineer-in-Charge all stores and articles of European or American manufacturing which may be required for the work or any part thereof in making up articles required therefore or in connection therewith, unless he has obtained permission in writing from the Engineer-in-Charge to obtain such stores and articles elsewhere. The value of

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such stores and articles as may be supplied to the Contractor by the Engineer-in-Charge will be debited to the Contractor in his account at the rates shown in the schedule attached to the Contract and if they are not entered in the Schedules they will be debited at cost price which for the purpose of this Contract, shall include the cost of carriage and all other expenses whatsoever which shall have been incurred in obtaining delivery of the same at the stores aforesaid.

**CLAUSE – 31**

(lumpsum in estimates)

When the estimate on which the Tender is made, including lump-sum in respect of part of the work, the Contractor shall be entitled to payment in respect of the items of work involved or the part of the work in question at the same rates as are payable under this Contract for such items, or if the part of the work in question is not in the opinion of the Engineer-in-Charge may at his discretion pay the lump-sum amount entered in the estimate, and the certificate in writing of the Engineer-in-Charge shall be final and conclusive against the Contractor with regard to any sum or sums payable to him under the provisions of this Clause.

**CLAUSE – 32**

(Action there on specification)

In the case of any class of work for which there is no such specification as is mentioned in the Rule, such work shall be carried out in accordance with the distinct specifications and in the event of there being no distinct specifications, then in such case, the work shall be carried out in all respects in accordance with the instructions and requirements of the Chief Mechanical Engineer.

**CLAUSE – 33**

(Definition of work)

The expression “Works” and / of “Work” where used in these conditions shall unless there be something either in the subject of contest payment to such construction, be constructed and taken to mean the works by or by virtue of the Contract Contracted to be executed whether temporary or permanent and whether original altered substituted or additional.

**INTERPRETATION CLAUSES:**

The Board means the Trustees of the Visakhapatnam Port Trust and its successors.

Works importing the singular number only include the plural number and vice-versa.

**IV. ADDITIONAL CONDITIONS:**

I. The Contractor undertakes to have the site clean, free from rubbish, to the satisfaction of the Engineer-in-Charge. All surplus materials, rubbish, etc., will be removed to the places fixed by the Engineer-in-Charge and nothing extra will be paid.

II. INCONVENIENCE TO PUBLIC: The Contractor shall not deposit materials on any site which will seriously inconvenience the public. The Chief Mechanical Engineer may require the Contractor to remove any materials which are considered by him to be a danger or inconvenience to the public or cause them

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to be removed at the Contractor's cost.

III. HUTTING FOR LABOUR: The Contractor (s) shall at his / their own cost, provide his / their labour with hutting on the approved site and shall make arrangement for conservancy and sanitation and the labour camp to the satisfaction of the local Public Health and Medical authorities. He/they shall also at his/their own cost, make arrangements for laying of pipe lines for water supply of his/ their labour camp from the existing mains wherever available and shall pay all fees, charges and expenses, in connection with and incidental thereto.

#### IV. PROHIBITION AGAINST THE EMPLOYMENT OF COAL MINING OR CONTROLLED AREA LABOUR

The Contractor shall not employ coal-mining or controlled area labour falling under a category whatsoever or in connection with the work or recruit labour area within the radius of 20 miles of the controlled area, subject to above, the Contractor shall employ imported labour only, i.e., depot imported labour or imported by Contractor from areas from which import is permitted.

Where ceiling prices for imported labour has been fixed by provincial or Regional Labour Committee, not more than that ceiling price shall be paid to the labour by the Contractor.

The Contractor shall immediately remove any labourer who may be pointed out by the Chief Mechanical Engineer, as being a coal-mining or controlled area labour. Failure to do so shall render the Contractor liable to pay the Board a sum calculated at the rate of Rs.10/- per day per labour. The certificate of the Engineer-in-Charge about the number of the coal-mining or controlled area labour and the number of days which they worked shall be final and binding upon all parties to this Contract.

It is declared and agreed between the parties that the aforesaid stipulation in this clause is one in which the public are interested within the remaining of the exception of section 74 of the Indian Contract, 1972.

#### V. RETURN OF SURPLUS MATERIALS:

Notwithstanding anything contained to the contrary in any or all of the clauses of this Contract where any materials for the execution of the Contract are procured with the assistance of Board either by issue from Board stocks or purchase made under orders or permits or licences issued by the Board, the Contractor shall hold the said material economically and solely for the purpose of the Contract and not

dispose of them without the permission of the Board, \_\_\_\_\_ by  
return \_\_\_\_\_ if required the  
Chief Mechanical Engineer all surplus \_\_\_\_\_ or \_\_\_\_\_

\_\_\_\_\_ the \_\_\_\_\_ of  
unserviceable materials that may be left with him after completion the  
Contract and its termination of any reason whatsoever on being paid or credited such prices as the Chief Mechanical Engineer shall determine having due regard to the conditions of the materials. The price allowed to the Contractor however shall not exceed the amount charged him, excluding the storage charge, if any. The decision of the Chief Mechanical Engineer shall be final and conclusive. In the event of breach of the aforesaid condition, the Contractor shall, in addition to throwing himself upon to action for contravention of the terms of licence of permit and or for criminal breach of trust, be liable to the Board which in the usual course would have resulted in him by reason for

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breach.

VI. EXTENSION OF TIME LIMIT FOR COMPLETION OF WORK:

If the Contractor shall desire on extension of the time for completion of the work, no application for such extension will be entertained if it is not received in sufficient time to allow the Chief Mechanical Engineer to consider it and the Contractor will be responsible for the consequence arising out of the negligence in this respect.

VII. I/We agree that should I/We fail to commence the work specified in the above Memorandum or should I/We not deposit the full amount of Security Deposit specified in the above Memorandum in accordance with Clause-I(A) of the said condition of Contract and an amount equal to the amount of the Earnest Money mentioned in the form of Invitation of Tender shall be absolutely forfeited to the Board be recovered out of the deposit in so far as the same may extend in terms of the said Bond and in the event of deficiency out of any other moneys due to me/us or otherwise.

VIII CONDITIONS RELATING TO THE EXECUTION OF ADDITIONAL WORK:

No deviation from specification stipulated in the Contract of additional items of work, shall be carried out by the Contractor, unless the rates of the substituted, altered or additional items have been approved in writing by the competent authority, failing which the Board will not be bound to entertain any claim on this account.

IX. I am/We are, not related to any of the officers employed by the Port Trust or any Officer of the rank of Assistant Secretary or above in the Ministry of Transport. X. Any variation in Tax, Levis, duties, imposed after signing the contract shall be reimbursed by VPT on production of Documentary evidence. Any New Taxes, Levies, duties, imposed after signing the contract shall be reimbursed by VPT on production of Documentary evidence.

VISAKHAPATNAM PORT TRUST

MECHANICAL AND ELECTRICAL ENGINEERING DEPARTMENT

All legal requirements/Acts to be complied by the contractors . The various legal requirements/Acts are given below:-

Sl.No.	Name of the Act
01.	The Environment (Protection) Act & Rules –1986 as amended up to 2009
02.	The Hazardous Waste (Management & Handling) Rules – 1989 as amended up to 2003.
03.	Manufacture, storage and import of Hazardous Chemicals Rules 1989 as amended up to 2000.
04.	The Noise Pollution Regulations & Control Rules 2000 as amended up to 2010.
05.	The Batteries (Management & Handling) Rules 2001.

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06.	Factories Act – 1948 & Factory Rules as amended up to 2005.
07.	Motor Vehicle Act 1988 & Motor Vehicle Rules – 1989 as amended up to 2007.
08.	The Petroleum Act – 1934 & the Petroleum Rules 2002.
09.	The Gas Cylinder Rules 2004
10.	The Visakhapatnam Municipal Corporation Act – 1979 as amended up to 2006 (forming as Greater Visakha).
11.	Fire Protection Facilities for Port Oil Terminals OISD (Oil Industry Safety Directorate) Guidelines 1992
12.	VPT (Transport, Handling & Storage of dangerous goods) Regulations 1992 as amended up to 1999.
13.	The Water (Prevention & Control of Pollution) Act – 1984 & Rules 1975 as amended up to 1989.
14.	The Air (Prevention & Control of Pollution Act –1981) and Rules 1982 as amended up to 1988.
15.	Railway Regulations a) Indian Railway Track Design & Manufacture b) South Indian Railway Accident manual 1991.
16.	The Radiation Protection Rules 1971 as amended up to 2004.
17.	Explosives Act – 1884 as amended up to 1993.
18.	Electricity Act 2003 with the Rules.
19.	Solar Regulations 1974 as amended up to 2010.
20.	Marpol Regulations 73/78 with the Annexure (I, ii, iii, v & vi) as amended up to 2010.