

● e - TENDER ●

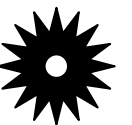
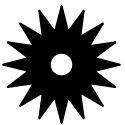
No.62

2011-12

❖ **JAWHAR SUB- Dn.**

M.S.E.D.C.L., Palghar Division.

*Office The Executive Engineer, "Vidyut Bhavan" 1st floor, Manor Rd,
Palghar (West) Pin- 401 404. - 252135 (O), 254934 (P),
Email ID- eepalghar@ho.mahadiscom.in*



eTenders are invited from reputed & experienced Govt. registered contractors for Erection of HT/LT line, transformer centre and its allied works as per schedule rates for the year 2011-12 approved by S.E. Vasai and schedule rates approved under DPR Infra on Full turnkey basis for wadi/pada electrification at **Jawhar** Sub-Division under **Palghar Division** by eTendering process as detailed below.

Tender No	Nature of Work	Estimated Amount Rs. in Lakhs	Amount of EMD Rs. In thousand
2011-12/T-62	Erection of HT/LT line, transformer centre and its allied works as per schedule rates for the year 2011-12 approved by S.E. Vasai and schedule rates approved under DPR Infra on Full turnkey basis for wadi/pada electrification at Jawhar Sub-Division under Palghar Division .	10.00	10,000/-

TERMS & CONDITIONS:

- 1) Blank eTender documents will be available on Company's website www.mahadiscom.in from **03.02.12** At. 17.00 to **11.02.12**, up to 13.00 Hrs Tenderers are requested to download the same from website. The requisite amount of Tender Fee of Rs. **1000** plus Rs. **50** (MVAT) i.e. total Rs. **1050/-** & EMD (Bid Security) of Rs. **10,000/-** shall be paid by cash at 1st floor , Vidyut Bhavan, Manor Road, Palghar(W), Dist.- Thane-401404 or in the form of D.D (Demand Draft) /unconditional Bank Guarantee from of any nationalize/scheduled Bank payable at Palghar. The tender fee & EMD is to be submitted before due date & time of submission of bid document & copy of the receipt/demand draft should be up loaded along with tender document. Bid uploaded without attachment of money receipt/ D.D shall be considered as non-responsive & shall be rejected. The D.D should be made in favour of Executive Engineer, M.S.E.D.C.L., payable at Palghar. The Bid security must be included & submitted with technical proposal.
- 2) The offer should be with all necessary relevant document i.e. valid electrical contractor license, experience certificate, VAT Registration, PAN No. Sale Tax Registration, Service Tax Registration, PF and WCT Registration etc and bidder should have at least one order for similar nature of work.
- 3) Last date to quote the E-Tender is **11.02.12** upto 13.00 Hrs. (online only).
- 4) Date of opening of eTender is **11.02.12** at 16.00 Hrs.
- 5) MSEDCL reserves the right to accept any E-tender or to reject any or all eTenders without assigning any reason thereof. Contact Person: The Dy.Executive Engineer, Office of the Executive Engineer, M.S.E.D.C.L., O&M Division, 1st floor, Vidyut Bhavan., Manor Road, Palghar (W), Dist: Thane. State- Maharashtra, Phone No-02525-252135, Mobile no: - 7875760841.

Executive Engineer
M.S.E.D.C.L., O&M Division, Palghar

**MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.
O&M, DIVISION, PALGHAR**



Office of the Executive Engineer,
"Vidyut Bhavan" 1st floor, Manor Road,
Palghar (West) Pin- 401 404, Thane.
Phone:02525 -252135 (O), 254934 (P),
Email ID- eepalghar@ho.mahadiscom.in

NAME OF E- TENDER	:- Errection of HT/LT line, transformer centre and its allied works as per schedule rates for the year 2011-12 approved by S.E. Vasai and schedule rates approved under DPR Infra on Full turnkey basis for wadi/pada electrification at Jawhar Sub-Division under Palghar Division .
E-TENDER NO.	:- 62/2011-12.
ESTIMATED AMOUNT	:- Rs. 1,00,000/-
EARNEST MONEY DEPOSIT	:- Rs. 10,000/-
COST OF TENDER DOCUMENTS	:- Rs. 1000/- + 5 % VAT = 1050/-
LAST DATE FOR SUBMISSION OF DOCUMENTS	:- 11.02.12 upto 13.00 hrs
DUE DATE FOR OPENING OF TENDER	:- 11.02.12 at 16.00 hrs.

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Sealed eTenders are invited by the Executive Engineer, Maharashtra State Electricity Distribution Company Limited, O&M Division, Palghar, District Thane for carrying out the works of HT/LT overhead line erection & its allied works with cable network Full Turnkey basis under the jurisdiction of Maharashtra State Electricity Distribution Company Limited, Palghar Division office on percentage basis of Approved Rate Schedule of Labour and Materials of Superintending Engineer, Maharashtra State Electricity Distribution Company Limited, Vasai Circle for the year 2011-2012 & schedule rates approved under DPR Infra subject to the terms and conditions mentioned below.

The details about the estimated amount works, Earnest Money payable, etc. are mentioned above.

**MAHARASHTRA STATE ELECTRICITY DISTRIBUTION COMPANY LTD.
O&M DIVISION, PALGHAR**

E-TENDER NO. EE/PLG/TECH/2011-12/T-62

E-Tender For : Errection of HT/LT line, transformer centre and its allied works as per schedule rates for the year 2011-12 approved by S.E. Vasai and schedule rates approved under DPR Infra on Full turnkey basis for wadi/pada electrification at Jawhar Sub-Division under Palghar Division

E -Tender Price : Rs.1000/- + 5%VAT = Rs. 1050/-
Estimated Cost : Rs. 10.00 Lakhs; E.M.D: Rs. 10,000/-

TO BE FILLED IN BY THE TENDERER:

Name & Address of the Tenderer

Phone No. _____ Mobile No. _____ E-mail _____

Address of the Office:

Phone No. _____ Fax No. _____

eTender Form Cost Rs. 1050/-

Vide M.R. No. _____ Date:-_____

E.M.D. Paid Rs. 10,000/-

Vide M.R. No. _____ Date:-_____

IMPORTANT NOTES:

- 1) Only registered contractors with M.S.E.D.C.Ltd are liable to submit the tender.
- 2) Tenderer must submit all the tender documents on online system of MSEDCL.(www.works.mahadiscom.in/eTender/etender) website
- 3) Rates should be filled in the prescribed schedule attached with this tender and on online.
- 4) This tender document contains 33 pages duly numbered (including cover pages). Tenderers are requested to check the complete tender document available on-line

INSTRUCTIONS TO TENDERERS :-

- 1) All the interested tenderers who have registered on MSEDCL web site www.mahadisocm.in after 01.10.2009 shall read carefully all the prequalifying documents requirement and fill up the prequalify bid no. 1) on online duly digitally signed and completing the requirement of documents as per prescribed proforma.

All the details of tenders, instructions to tenderers, contractor's particulars. General terms and conditions, special conditions of contract, material to be used & Technical specification and schedule B is available on our web site www.mahadiscom.in w.e.f. date **03.02.12**. Last date and time of submission of tender, only by e-submission process, is **11.02.12** upto 13.00 Hrs.

Manual submission of tender is not allowed and will not be accepted in any case or on any grounds whatsoever it may be. Tenderers should take proper care to upload their tender through e-process well in advance before last date & time of submission to avoid last minute trafficking at server or any other computer/internet problem.

- 2) Duly filled in and duly e-signed (digital signed) price bids should be uploaded mentioning all the required details under two separate bids 1) prequalifying bid and 2) price bid through e-process maximum upto date **11.02.12** upto 13.00 hrs.
- 3) Since tender submission process is through e-submission only, **no** tender box will be kept in office for manual submission as per earlier process, same may please be noted.
- 4) e-tenders submitted as per above procedure will be opened if possible on the same day after 15.00 hrs. or at suitable time or on subsequent working days in presence of tender committee from MSEDCL and in front of those contractors who wish to remain present at the time of opening. But presence of contractor is optional on contractor's side as they may directly view the opening results on logging on web site by using their password (keyword) from any other place but only after tender committee opens the e-tenders.
- 5) In case of those contractors who are not able to fulfill prequalifying document requirement or those who will not quote the such references or furnish the details of tender fee & EMD etc, such tenders will be rejected and their second bid i.e. price bid will not be considered.. Second bid i.e. price bid of only those contractors will be considered, who complete or qualify after first prequalifying bid.

All the original documents shall be immediately produced before tender committee for necessary verification, failure of which will liable for rejection.

- 6) Objections if any from other agencies who have submitted their offers, after opening must be submitted in writing only on the day of actual opening of tender through e-process or max upto next working day. No complaints/objections in any form afterwards will not be entertained.
- 7) Price variation clause or arbitration clause is not applicable to this contract.
Right to reject any or all tenders without assigning any reason whatsoever is reserved by the undersigned.

Executive Engineer Palghar.

A) GENERAL TERMS AND CONDITIONS :-

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1) ELIGIBILITY :-

- i) Eligible deed & rate deed should be quoted separately. The offers without eligibility will not be opened /accepted.
- ii) The Tenderer should have a valid electrical Contractor's license, issued by the Licensing Company of the Government of Maharashtra.
- iii) The Tenderer should be conversant for the work of similar nature in the past for MSEDCL, or any Govt. department / Govt. undertaking or for any other reputed private organization. For new Entrants trial order will be given & further extension will be given considering his performance.
- iv) The tenderer should be financially sound and equipped with man-power, tools and tackles so as to executed the job at 2 or 3 locations simultaneously.
- v) The tenderer should be registered with the Govt. of Maharashtra under Section 12(2) of the Contract Labour (Regulation & Abolition) Act 1970. Proof of Insurance of Labours against Workmen's compensation as required by the said act should also be enclosed.

2. DOCUMENTS TO BE ATTACHED WITH THE TENDER :-

- i) A Xerox copy of Valid Electrical Contractor's License.
 - ii) A Xerox copy of Labour's Contractor's License.
 - iii) A Xerox copy of latest Income Tax Clearance Certificate with Pan card & service tax / VAT registration certificate.
 - iv) List of authorized persons working with him.
 - v) List of Tools & Tackles available with him.
 - vi) A registration copy with Rly./CPWD/CIDCO/PWD, / MSEDCL etc if any.
 - vii) Copy of the Work Orders executed satisfactorily, if any.
 - viii) EPF registration with regional provident fund commissioner, Mumbai.
3. Tenderer must return the form of Schedules duly filled therein the rates in figures & Words and each Schedule duly signed. Any Schedule not bearing signature of the Contractor on all the documents accompanying the tender is liable to be rejected.
4. Special attention is invited to requirements that all correction must be initialed and dated by the tenderer & at all the pages should bear the full signature of the tenderer at the foot of each page and each Schedule with his Seal. The tender documents shall be written legibly and free erasers, overwriting or conversions of figures.
5. Tenders which do not fulfill all or any of the conditions or which are incomplete in any respects are liable for summary rejection.

6. The rates should be quoted on percentage basis of approved Schedule of rates of Vasai Circle for the (2009-2010) and schedule rates approved under DPR Infra only (Copy enclosed herewith). The Tenderer should not offer rates for items which are not covered in the Schedule and also should not split any items of the Schedule, doing so may disqualify the offer. Discount on any account such as quantitative discount, repayment discount etc. will not be entertained.
7. Tender must accompany the Earnest Money Deposit of @ 1% of the Tender Value, paid either in CASH or by DEMAND DRAFT. The D.D. must be drawn on STATE BANK OF INDIA, PALGHAR BRANCH in the name of MAHARASHTRA STATE ELECTRICITY DISTRIBUTION COMPANY LIMITED. No any other mode of payment will be considered. EMD may be deposited personally at the Cash Counter in this office. The Receipt Number of EMD and Tender form cast should be mentioned in E – Tender, other wise E tender will not be opened.
8. No interest will be allowed on EMD, which will not normally be retained by this office for more than 90 days from the date of opening of the tender. EMD paid by the Tenderer will be refunded as soon as possible after the tenders are finalized & settled upon and such tenderers should return the original receipt for the EMD paid, dully discharged in favor of company. The tenderer should also apply for the refund of END paid by him immediately after the expiry of 90 days period from the date of opening of the tenders.
9. EMD is liable for forfeiture :
 - a) If the tenderer fails to pay Security Deposit.
 - b) If the successful tenderer refuses to sign & complete the contract documents & agreement and further execute the contract.
 - c) In case the tender is withdrawn by the tenderer after opening, but before the expiry of 90 days prescribed validity period or in the event of refusal to accept the order for work or if he refuses to pay the prescribed security Deposit as per clause 4.
10. The successful tenderer will have to deposit 10 % of the contract value as Security Deposit or bank guarantee within Seven days from the date of acceptance of the tenders. The Security Deposit will be refunded after satisfactory completion of the works, Bank guarantee will be returned.
11. The tenderer is requested to go through the tender documents carefully and if he has any doubt in any of the clauses of specification of the Schedule, he should seek clarification in writing from the Executive Engineer, MSEDCL, Palghar before submitting the tender duly filled.
12. The submission of the tender by a tender implies that he has read the instructions and had made himself aware of the Scope of work, the specifications, the conditions of contract etc and the company will not therefore pay any extra charges on account in case the contractor finds later on to be misjudged the site conditions/specifications or the elements included on the Schedule item etc.
13. The right to reject all or any of the tenders, without assigning any reasons therefore is reserved. Similarly, MSEDCL is not bound to accept the lowest offer nor assign any reasons therefore. It is also not binding on MSEDCL to give the order to a single party. The total quantity / amount may be distributed to 2 or more parties as per the convenience of the work and performance.

14. **OPENING OF eTENDER :-** The etender will be opened on line only, as per the prescribed procedure laid down by M.S.E.D.C.Ltd. as mentioned in tender notice.

Initially while opening the Tenders, the Folder No. 1 i.e. Qualifying Bid will be opened first. The price Bids of only those bidders who have qualified in the qualifying Bid will be opened. For qualification copies all the documents mentioned above are required. The tenders/ his authorized representative **should be present or join the website** (By confirming the exact time of opening) at the time of opening of the Tender, **along with all originals of the above mentioned documents for verification/ clarification.**

B) FILLING THE TENDER FORM :-

- i) Before filling the tender form, the tenderers are requested to get conversant with the site under the jurisdiction of the Sub-Divn. Which is given in the tender details given above.
- ii) The tenders should be submitted in the approved Tender Forms, which is obtained from M.S.E.D.C.L., Palghar Divn. After paying the prescribed tender fee. The Offers submitted in any other will be rejected.
- iii) Schedule of rates of Superintending Engineer (VC), MSEDCL Vasai Circle for different type of jobs is annexed to the Tender documents as Annexure-I, The specification for works are attached as Annexure-II. The tenderers are supposed to mention their offer on percentage basis of MSEDCL, Schedule rates, mentioning clearly whether it is above or below the Schedule rate or on the same rate of MSEDCL's Schedule rates, in the prescribed form attached to the Tender documents under the heading Schedule "A".
- iv) The tenderer should affix the Rubber Stamp and Sign Schedules "A" form at the space provided for the same. Also the tenderer should sign on all the pages of Schedule of Rates and Tender Conditions.
- v) Tenders will be two bid tender as stated below.

A) Bid – 1 – Technical documents along with scanned copy of money receipt of **E- tender** form cost and **E.M.D.**

B) Bid – 2 – Commercial offer including original schedule 'A'.

Each Bid shall be superscripted as **bid 1 & bid 2.**

C) TERMS & CONDITIONS REGARDING THE EXECUTION OF WORKS, BILL PAYMENT, ETC.

1. No Tools & Plant will be provided for the works in the contract. So also all manpower will be provided by you.
2. For the works during night time, you will arrange lighting etc. at your own cost.
3. All precautions as per I.E. rules will be observed by you during work. You will be solely responsible for safety of your employees including payment of compensation in case of accidents as well as the General Public during the course of work.
4. It will be your responsibility to compensate for the damages to other installations as well as Public private property during the works.

5. All the rules pertaining to the traffic for safety of Public should be taken care of by the contractor which may include fencing & providing caution Notice Company's red lamps etc. wherever & whenever required.
6. During the period of contract, you should ensure that both Electrical Contractor's as well as Labour Contractor's Licensees stand valid and should abide by all Standard Laws in force from time to time.
7. In case of any dispute, the decision of the undersigned will be final. Any breach of contract will result in cancellation of the contract. Which may be noted.
8. Line materials will be supplied by the company near work-site. No extra charges for transportation will be paid for transportation of these materials upto actual work spot.
9. If the work is held up due to shortage of some minor materials like Clamps, Cross arms etc. , the contractor will be asked to supply the same as per MSEDCL's specifications. The payment for the same will be given through the bill at the schedule rate of material approved by SE(VC), Vasai for year 2009-2010.
10. Wherever required, Cement, Sand & Metal should be provided by the contractor, Cement provided should be of ISI mark and preferably ACC / L & T etc. make of good quality.
11. The works carried out should confirm the standard method of construction and should be carried out as per the instructions of the Field Engineer-in-Charge. Periodical percentage checks will be done by the Executive Engr. Over the works being carried out or already completed.

12. WORK ORDERS :

The detailed work orders mentioning therein the items of works, Locations etc. will be issued by the Executive Engineer, Palghar Divn. Or by the sub-division officer in charge if the work indicating the period for completion of that work. The materials required for that work will be arranged by the S.D.O. who has given the detailed work order.

In case the works are not completed within the stipulated period due to lapse on the contractor's part, penalty as mentioned in item No. 17 below will be levied.

Please note that, there may be more than One Sub-Divisional Engineer executing Construction/ O&M works in the specified area/jurisdiction. The contractor has to honour the works orders of all such officers and has to execute the works of all such officers within their stipulated period by organizing additional gang of workers.

If the line being laid passes through the area of two Sub-Division and two different agencies are executing the works under different orders issued by this office, the contractor under whose jurisdiction the major portion of work is situated will be given works order for entire line. The decision of the Executive Engineer regarding any disputes in such cases will be final and binding on the Contractor.

13. PAYMENTS :

After completion of a particular work order, you may submit bill in triplicate to the concerned Dy.E.E. / Asstt. Engineer. The Dy. E.E. / Asst. Engineer.

Will take the measurements of the works and record it in the measurement book. The payment will be made by the office of the Executive Engineer after receipt of verified / recorded R.A. bill from the concerned Field Office.

14. This contract or any part thereof shall not be Sublet

15. INCOME TAX :

Income Tax will be deducted from the contractor's bill @ 2.30% (or as applicable) including Surcharge thereon as applicable on the gross value of the bill as per instructions laid down in Govt. of India's Circular (I.T.Deptt.) F.O.275/9172/ITD Circular No. 86 dtd. 29.05.1972 & as per I.T. Act. 1967, unless the necessary exemption certificate from the Income Tax authorities for the purpose is produced well in time.

16. DEDUCTION FROM THE CONTRACT PRICE :

The amount of any Costs, Damages or Expenses or other payable sum which under this or any other contract is payable or becomes payable by the contractor to the Company may be deducted by the Contractor under the same or any other contract without prejudice to the Company's rights to recover the same by ordinary process of law.

17. PENALTY :

If the contractor fails to carryout the works within stipulated period of time mentioned in the piece order, the Contractor will be charged penalty @0.5 % per delayed work/or part thereof subject to maximum of 10% of the cost of unexecuted portion of the work.

18. Completion :

The period of contract is FOR 12 MONTHS. All the works shall be completed within the stipulated period within the order or as extended by the undersigned.

19. Area of operation of this contract is under the jurisdiction of MSEDCL Palghar Division. Whenever required, you will have to carryout the work any where in the area of MSEDCL, Palghar Division.

20. The Legal jurisdiction for any dispute is restricted to Palghar Sessions Court only.

Executive Engineer,
M.S.E.D.C.L., Palghar Division

Seal & Signature of the Tenderer.

Annexure – I

SCHEDULE “A”

COMMERCIAL BID OF THE TENDERER AND DECLARATION

eTENDER FOR Errection of HT/LT line, transformer centre and its allied works as per schedule rates for the year 2011-2012 approved by S.E. Vasai and schedule rates approved under DPR Infra on Full turnkey basis for wadi/pada electrification at **Jawhar** Sub-Division under **Palghar Division**

eTender No. :- 62/2011-12

To,
The Executive Engineer,
Maharashtra State Electricity Distribution Company Limited (MSEDCL),
Construction cum O & M Division,
Palghar.

Sir,

I have carefully gone through the Terms & Conditions of the above mentioned Tender, the specifications for the work and the Schedule of Rates approved by Superintending Engineer, MSEDCL, Vasai Circle for the year 2011-12 which are attached to the Tender documents. I am ready to execute the works in the area specified in the Tender details on your Terms and Conditions as mentioned in the rates mentioned below.

1. *At the same rates of Schedule of rates.*
2. *At _____% below the Schedule of rates.*
3. *At _____% above the Schedule of rates.*
4. *Whether lowest are acceptable (L-1) - (Yes/No.)*
5. *All the taxes are inclusive/ exclusive.*
6. *If Taxes are exclusive , quote taxes specifically in %.*
 - a)
 - b)
 - c)
 - d)

(The offer in words _____)

*Your Faithfully,
Stamp & Signature of Tenderer*

Address of the Tenderer

Annexure 'B'

Check list qualification information.
(eTenderer is specifically requested to check the list before finalizing the eTender.)

Sr. No.	Particulars	Remarks
1	eTender purchase cost MR No. and Date.	
2	EMD Paid details MR No. and Date.	
3	Value of at least a single order executed	
4	VAT registration Certificate No.	
5	Service Tax registration Certificate No.	
6	PAN Card No.	
7	PF Registration No.	
8	Power of Attorney	
9	Information regarding current litigation	

Stamp & Signature of Tenderer

Address of the Tenderer

ANNEXURE 'C'
QUESTIONNAIRE TO eTENDER

Sr. No.	Particulars	Comments of the Tenderer
1	Payment of E-Tender Price Fee : Please quote Money Receipt No. Date against the E-tender purchase cost. Downloaded from website.	
2	Earnest Money Deposit: E.M.D. paid vide Money Receipt No. & Date	
3	Type of Concern: Whether the unit is Proprietary / Partnership/ Private Ltd. or Limited Company. Please furnish the documentary evidence for the same.	
4	Past Performance: Whether you have executed orders for carrying out work of similar nature to any of the M.S.E.D.Co.Ltd. offices / other power utilities in past years? (Please enclose copies and give details of orders executed)	
5	Completion Certificate: Please enclose the completion certificate from M.S.E.D.Co.Ltd. offices / other power utilities for the similar work executed in past years	
6	Validity of offer: Offer is valid for 90 days from the date of E-tender opening.	Yes / No
7	Income Tax Clearance Certificate: Please enclose latest I.T. Clearance Certificate / attested Copy of PAN Card	Yes / No
8	Annual Turn-Over: Cumulative turnover during the last one year 09-10	Yes / No
9	i) Service Tax Registration Certificate No. ii) P.F. Registration No. iii) VAT Registration No. and PAN No. iv) Works Contract Registration No. (Please furnish the copies of the above certificates)	Yes / No Yes / No Yes / No Yes / No
10	Whether agree to pay the required amount of Security Deposit as per Clause No. A-10	Yes / No
11	Whether agree to pay liquidated damages for delay as per Clause No. C-17	Yes / No
12	Whether registered with M.S.E.D.Co.Ltd	Yes / No
13	Any other information:	

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION COMPANY LIMITED

Palghar Division

Activity No : 001

Supply, Errection, Testing and Commissioning of 22 KV Single Circuit Pin type with AAAC 55 sq. mm. conductor on 9 mtr. PSC 200 Kg. poles.

Sr. No.	Description of Material	Unit	Qty.	RT/U. Rs.	Amount Rs.
1	PSC Poles 9 Mtr. Long	No.	14	1803.00	25242.00
2	G.I. Flat 50 mm. x 10 mm. (3.9 Kg/M)	Kg.	205	52.90	10844.50
3	G.I. Channel 75 mm x 40 mm x 6 mm (7.1 Kg/m)	Kg.	140	58.80	8232.00
4	G.I. Angle 50 mm x 50 mm x 6 mm	Kg.	170	58.80	9996.00
5	22 KV Guard Channel G.I. 74 x 40	Kg.	150	58.80	8820.00
6	22 KV V Cross Arm with clamp	No.	12	610.61	7327.32
7	22 KV Top Fitting with clamp	No.	12	257.48	3089.76
8	22 KV Pin Insulator with Pins	No.	42	317.33	13327.86
9	11 KV Disc Insulator (70 KN)	No.	24	259.86	6236.64
10	Strain Hardware for ACSR 55 sq.mm.	Set	12	146.73	1760.76
11	AAAC 55 sq.mm. Conductor	Rmt.	3150	20.53	64669.50
12	Jointing Sleeves for AAAC	No.	3	30.00	90.00
13	Stay Set H.T.	No.	8	550.00	4400.00
14	Stay wire 7/8 SWG	Kg.	88	44.71	3934.48
15	HT Earthing set	No.	14	237.18	3320.52
16	Barbed Wire	Kg.	71	49.22	3494.62
17	Danger Boards	No.	14	40.00	560.00
18	Concreting 1:4:8	Cmt.	14	2850.00	39900.00
19	GI Wire 8 SWG	Kg.	330	44.91	14820.30
20	Black Bituminus Paint	Ltr.	0	37.00	0.00
21	Red Oxide Paint	Ltr.	0	46.00	0.00
22	Aluminium Paint for 1 coat	Ltr.	0	80.00	0.00
23	G.I. Nut Bolts	Kg.	90	60.00	5400.00
24	Sundries	LS	1	700.00	700.00
25	Wedge Connectors Wseasel to Weasel	No.	24	130.00	3120.00
Sub-Total A					239286.26

Cost of Material in Lakhs

2.39

Cost of Service @ 47.525% on Cost of Material

1.1358475

Total Cost of Material in Lakhs

3.53

Less cost of L.T. conductoe as Sr. No.11

0.65

Total Cost of Material in Lakhs

2.88

**Executive Engineer
M.S.E.D.C.L., Palghar
Division.**

Activity No : 002

Supply, Errection, Testing and commissioning of 11 KV S/C Pin type line with 34 sq.mm. AAC Conductor on 200 Kg 9 Mtr, PSC Pole.

Sr. No.	Description of Material	Unit	Qty.	RT/U. Rs.	Amount Rs.
2	PSC Poles 9 Mtr. Long	No.	14	1803.00	25242.00
3	G.I. Flat 50 mm. x 10 mm. (3.9 Kg/M)	Kg.	53	52.90	2803.70
4	11 KV V Cross Arm with clamp	No.	12	610.61	7327.32
5	11 KV Top Fitting with clamp	No.	12	257.48	3089.76
6	G.I. Channel 75mm. x 14mm.x 6mm. (7.1 Kg/M)	Set	140	58.80	8232.00
7	11 KV Guard Channel G.I. 74 x 40	Kg.	150	58.80	8820.00
8	11 KV Pin Insulator with Pins	No.	42	99.90	4195.80
9	11 KV Disc Insulator (70 KN)	No.	12	259.86	3118.32
10	Strain Hardware for ACSR 34 sq.mm.	Set	12	150.88	1810.56
11	AAAC 34 sq.mm. Conductor	Rmt.	3150	13.03	41044.50
12	Jointing Sleeves for AAAC	No.	3	30.00	90.00
13	Stay Set H.T.	No.	8	550.00	4400.00
14	Stay wire 7/8 SWG	Kg.	50	44.71	2235.50
15	HT Earthing set	No.	14	237.18	3320.52
16	Barbed Wire	Kg.	30	49.22	1476.60
17	Danger Boards	No.	14	40.00	560.00
18	GI Wire 8 SWG	Kg.	30	44.91	1347.30
19	Black Bituminus Paint	Ltr.	0	37.00	0.00
20	Red Oxide Paint	Ltr.	0	46.00	0.00
21	Aluminium Paint	Ltr.	0	80.00	0.00
22	Concreting 1:4:8	LS	14	2850.00	39900.00
23	Sundries	LS	1	700.00	700.00
24	Wedge Connectors Wseasel to Weasel	No.	24	130.00	3120.00
Sub-Total A					162833.88

Cost of Material in Lakhs	1.63
Cost of Service @ 47.525% on Cost of Material	0.7746575
Total Cost of Material in Lakhs	2.40
Less cost of L.T. conductoe as Sr. No.11	0.41
Total Cost of Material in Lakhs	1.99

**Executive Engineer
M.S.E.D.C.L., Palghar
Division.**

Activity No : 003

Supply, Errection, Testing and commissioning of 22 KV 63 KVA Distribution Transformer with MCCB Dist Box on 9 Mtr. RSJ Pole..

Sr. No.	Description of Material	Unit	Qty.	RT/U. Rs.	Amount Rs.
1	Dist. Transformer 63 KVA 22/0.4 KV (con)	No.	1	146371.33	146371.33
2	RSJ 100 x 116 mm - 9 mtr Long	No.	2	7936.09	15872.18
3	G.I. Channel 100mm. x 50mm.x 6mm. (9.2 Kg/M)	Kg.	100	58.80	5880.00
4	G.I. Channel 75mm. x 40mm.x 6mm. (7.1 Kg/M)	Kg.	44	58.80	2587.20
5	G.I. Angles 50mm. x 50mm.x 6mm. (4.1 Kg/M)	Kg.	22	58.80	1293.60
6	G.I. Flat 50 mm. x 6 mm. (2.4 Kg/M)	Kg.	24	52.90	1269.60
7	22 KV Pin Insulator	No.	3	317.33	951.99
8	Strain Set Complete 22 KV	No.	3	146.73	440.19
9	Distribution Box with MCCB	No.	1	15855.49	15855.49
10	Lightning arrestor 22 KV	Set	1	1247.72	1247.72
11	Stay Set H.T.	No.	4	550.00	2200.00
12	Stay wire 7/8 SWG	Kg.	25	44.71	1117.75
13	Earthing Set	No.	3	237.18	711.54
14	a) H.G. Fuse 22 KV	Set	1	4708.00	4708.00
15	b) A.B. Switch 22 KV	No.	1	14166.20	14166.20
16	Danger Boards	No.	2	40.00	80.00
17	GI Wire 8 SWG	Kg.	25	44.91	1122.75
18	Barbed Wire	Kg.	15	49.22	738.30
19	Concreting of Stay and poles	Cmt.	2	2850.00	5700.00
20	Painting of Hardware and supports	L.S.	1	140.00	140.00
21	DTC Metering with Box, Single Core L.T. XLPE Cable (3.5 sq.mm., 120 Mtr. Length) and other allied material	No.	1	11306.40	11306.40
22	Wedge Connectors DOG to DOG	No.	3	700.00	2100.00
23	Sundries, such as Nut-Bolts	L.S.	1	700.00	700.00
				Sub-Total A	236560.24

Cost of Material in Lakhs	2.37
Cost of Service @ 47.525% on Cost of Material	1.1263425
Total Cost of Material in Lakhs	3.50
Less cost of Transformer as Sr. No. 1	1.46
Total Cost of Material in Lakhs	2.04

Note : 63 KVA 22/0.4 KV Dist. Transformer provided by MSEDCL.

**Executive Engineer
M.S.E.D.C.L., Palghar Division.**

Activity No : 004

Supply, Errection, Testing and commissioning of 22 KV 100 KVA Distribution Transformer with MCCB Dist Box on 9 Mtr. RSJ Pole.

Sr. No.	Description of Material	Unit	Qty.	RT/U. Rs.	Amount Rs.
2	Dist. Transformer 100 KVA 22/0.4 KV (con)	No.	1	180949.59	180949.59
3	100*116mm. H Beem 9 M	No.	2	7086.53	14173.06
4	G.I. Channel 100mm. x 50mm.x 6mm. (9.2 Kg/M)	Kg.	100	58.80	5880.00
5	G.I. Channel 75mm. x 40mm.x 6mm. (7.1 Kg/M)	Kg.	44	58.80	2587.20
6	G.I. Angles 50mm. x 50mm.x 6mm. (4.1 Kg/M)	Kg.	22	58.80	1293.60
7	G.I. Flat 50 mm. x 6 mm. (2.4 Kg/M)	Kg.	24	52.90	1269.60
8	22 KV Pin Insulator	No.	3	317.33	951.99
9	Strain Set Complete 22 KV	No.	3	146.73	440.19
10	Distribution Box 100 KVA with MCCB	No.	1	15855.49	15855.49
11	Lightning arrestor 22 KV	Set	1	1247.72	1247.72
12	Stay Set H.T.	No.	4	550.00	2200.00
13	Stay wire 7/8 SWG	Kg.	25	44.71	1117.75
14	Earthing Set	No.	3	237.18	711.54
15	a) H.G. Fuse 22 KV	Set	1	4708.09	4708.09
16	b) A.B. Switch 22 KV	No.	1	14166.20	14166.20
17	Danger Boards	No.	2	40.00	80.00
18	GI Wire 8 SWG	Kg.	25	44.91	1122.75
19	Barbed Wire	Kg.	15	49.22	738.30
20	Concreting of Stay and poles	Cmt.	2	2850.00	5700.00
21	Painting of Hardware and supports	L.S.	1	140.00	140.00
22	DTC Metering with Box, Single Core L.T. XLPE Cable (70 sq.mm., 120 Mtr. Length) and other allied material.	No.	1	13735.20	13735.20
23	Wedge Connectors DOG to DOG	No.	3	700.00	2100.00
24	Sundries, such as Nut-Bolts	L.S.	1	700.00	700.00
Sub-Total A					271868.27

Cost of Material in Lakhs	2.72
Cost of Service @ 47.525% on Cost of Material	1.29268
Total Cost of Material in Lakhs	4.01
Less cost of Transformer as Sr. No. 1	1.81
Total Cost of Material in Lakhs	2.20

Note : 100 KVA 22/0.4 KV Dist. Transformer provided by MSEDCL.

**Executive Engineer
M.S.E.D.C.L., Palghar Division.**

Activity No : 005

**Supply, Errection, Testing and commissioning of Poles Mounted Distribution Transformer Sub-Station
63 KVA, 11/0.433 KV on RSJ Pole.**

Sr. No.	Description of Material	Unit	Qty.	RT/U. Rs.	Amount Rs.
1	Dist. Transformer 63 KVA 11/0.4 KV (con)	No.	1	112019.35	112019.35
2	100*116mm. H Beem 9 M	No.	2	7086.53	14173.06
3	G.I. Channel 100mm. x 50mm.x 6mm. (9.2 Kg/M)	Kg.	100	58.80	5880.00
4	G.I. Channel 75mm. x 40mm.x 6mm. (7.1 Kg/M)	Kg.	44	58.80	2587.20
5	G.I. Angles 50mm. x 50mm.x 6mm. (4.1 Kg/M)	Kg.	22	58.80	1293.60
6	G.I. Flat 50 mm. x 6 mm. (2.4 Kg/M)	Kg.	24	52.90	1269.60
7	11 KV Pin Insulator	No.	3	99.90	299.70
8	Strain Set Complete 11 KV	No.	3	146.73	440.19
9	Distribution Box 63 KVA with MCCB	No.	1	15855.49	15855.49
10	Lightning arrestor 11 KV	Set	1	1708.17	1708.17
11	Stay Set H.T.	No.	4	550.00	2200.00
12	Stay wire 7/8 SWG	Kg.	25	44.71	1117.75
13	Earthing Set	No.	3	237.18	711.54
14	a) H.G. Fuse 11 KV	Set	1	1839.80	1839.80
	b) A.B. Switch 11 KV	No.	1	9087.68	9087.68
15	Danger Boards	No.	2	40.00	80.00
16	GI Wire 8 SWG	Kg.	25	44.91	1122.75
17	Barbed Wire	Kg.	15	49.22	738.30
18	Concreting ration 1:4:8	Cmt.	2	2850.00	5700.00
19	Painting of Hardware and supports	L.S.	1	140.00	140.00
20	DTC Metering with Box, Single Core L.T. XLPE Cable (35 sq.mm., 120 Mtr length) and other allied material.	No.	1	11306.40	11306.40
21	Wedge Connectors DOG to DOG	No.	3	130.00	390.00
22	Sundries, such as Nut-Bolts	L.S.	1	700.00	700.00
Sub-Total A					190660.58

Cost of Material in Lakhs	1.91
Cost of Service @ 47.525% on Cost of Material	0.9077275
Total Cost of Material in Lakhs	2.82
Less cost of Transformer as Sr. No. 1	1.12
Total Cost of Material in Lakhs	1.70

**63 KVA 11/0.433 KV Dist. Transformer provided
by MSEDCL.**

Note :

**Executive Engineer
M.S.E.D.C.L., Palghar Division.**

Activity No : 006

Supply, Errection, Testing and commissioning of 22 KV 63 KVA Distribution Transformer with MCCB Dist Box on 9 Mtr. RSJ Pole..

Sr. No.	Description of Material	Unit	Qty.	RT/U. Rs.	Amount Rs.
1	Dist. Transformer 100 KVA 11/0.4 KV (con)	No.	1	140472.73	140472.73
2	RSJ 100 x 116 mm - 9 mtr Long	No.	2	9699.67	19399.34
3	G.I. Channel 100mm. x 50mm.x 6mm. (9.2 Kg/M)	Kg.	100	58.80	5880.00
4	G.I. Channel 75mm. x 40mm.x 6mm. (7.1 Kg/M)	Kg.	44	58.80	2587.20
5	G.I. Angles 50mm. x 50mm.x 6mm. (4.1 Kg/M)	Kg.	22	58.80	1293.60
6	G.I. Flat 50 mm. x 6 mm. (2.4 Kg/M)	Kg.	24	52.90	1269.60
7	11 KV Pin Insulator	No.	3	99.90	299.70
8	Strain Set Complete 11 KV	No.	3	146.73	440.19
9	Distribution Box 100 KVA with MCCB	No.	1	26943.49	26943.49
10	Lightning arrestor 11 KV	Set	1	1708.17	1708.17
11	Stay Set H.T.	No.	4	550.00	2200.00
12	Stay wire 7/8 SWG	Kg.	25	44.71	1117.75
13	Earthing Set	No.	3	237.18	711.54
14	a) H.G. Fuse 11 KV	Set	1	1839.80	1839.80
15	b) A.B. Switch 11 KV	No.	1	9087.68	9087.68
16	Danger Boards	No.	2	40.00	80.00
17	GI Wire 8 SWG	Kg.	25	44.91	1122.75
18	Barbed Wire	Kg.	15	49.22	738.30
19	Concreting of stays and pole	Cmt.	2	2850.00	5700.00
20	Painting of Hardware and supports	L.S.	1	140.00	140.00
21	Sundries, such as Nut-Bolts	L.S.	1	700.00	700.00
22	DTC Metering with Box, Single Core L.T. XLPE Cable (70 sq.mm., 120 Mtr length) and other allied material.	No.	1	13735.20	13735.20
23	Wedge Connectors DOG to DOG	No.	3	700.00	2100.00
				Sub-Total A	239567.04

Cost of Material in Lakhs	2.40
Cost of Service @ 47.525% on Cost of Material	1.1406
Total Cost of Material in Lakhs	3.54
Less cost of Transformer as Sr. No. 1	1.40
Total Cost of Material in Lakhs	2.14

Note : 100 KVA 11/0.433 KV Dist. Transformer provided by MSEDCL.

**Executive Engineer
M.S.E.D.C.L., Palghar Division.**

Activity No : 007

Supply, Errection, Testing and commissioning of L.T. Line 3 Ph. 4 Wire Wind pressure Zone-with ANT for phase & Gnat for neutral.

Sr. No.	Description of Material	Unit	Qty.	RT/U. Rs.	Amount Rs.
1	PSC Pole 8 Mtr. Long	No.	20	1487.00	29740.00
2	AAC Ant (50 mm ²) for phase condustor	Rmt.	3200	17.25	55200.00
3	AAC Gnat (25mm ²) for neutral	Rmt.	1100	9.14	10054.00
4	G.I. Flat 50 mm. x 6 mm. (2.4 Kg/M)	Kg.	24	52.90	1269.60
5	L.T Shackle Insulator	No.	80	6.61	528.80
6	L.T Shackle Hardware	No.	40	25.20	1008.00
7	Jointing Sleeves for AAC	No.	4	30.00	120.00
8	P.G. Clamps	No.	6	109.03	654.18
9	L.T. Earthing Set	No.	5	205.50	1027.50
10	L.T. Stay Sets	No.	8	489.67	3917.36
11	Stay Wire 7/10 SWG	Kg.	72	44.91	3233.52
12	Stay Insulator	No.	8	5.00	40.00
13	Binding Wire	Kg.	1.5	60.00	90.00
14	Binding Tape	Kg.	1.5	36.00	54.00
15	GI Wire 8 SWG	Kg.	5	44.91	224.55
16	Concreting for base pads atays and angle location	Cmt.	2.4	2850.00	6840.00
17	L.T. Spacers	No.	45	80.00	3600.00
18	Sundries, such as Nut-Bolts Washers, Jumpers etc.	L.S.	1	2500.00	2500.00
19	Wedge Connectors				
a)	Ant to Ant	No.	32	130.00	4160.00
b)	Gnat to Gnat	No.	24	130.00	3120.00
Sub-Total A					127381.51

Cost of Material in Lakhs	1.27
Cost of Service @ 47.525% on Cost of Material	0.603568
Total Cost of Material in Lakhs	1.87
Less cost of L.T. conductoe as Sr. No.2 & 3	0.65
Total Cost of Material in Lakhs	1.22

Executive Engineer
M.S.E.D.C.L., Palghar Division.

Activity No : 008

Supply, Errection, Testing and commissioning of L.T. Line 1 Ph. 2 Wire on PSC Pole 8 Mtr. Gnat for phase & neutral.

Sr. No.	Description of Material	Unit	Qty.	RT/U. Rs.	Amount Rs.
1	PSC Pole 8 Mtr. Long (140 Kg.)	No.	16	1487.00	23792.00
2	AAC Ant	Rmt.	1100	17.25	18975.00
3	AAC Gnat	Rmt.	1100	9.14	10054.00
4	G.I. Flat 50 mm. x 8 mm.	Kg.	24	52.90	1269.60
5	L.T Shackle Insulator	No.	40	6.61	264.40
6	L.T Shackle Hardware	Pair	30	25.20	756.00
7	Jointing Sleeves for AAC	No.	2	30.00	60.00
8	P.G. Clamps	No.	4	23.00	92.00
9	L.T. Earthing Set	No.	5	205.50	1027.50
10	L.T. Stay Sets	No.	12	489.67	5876.04
11	Stay Wire 7/10 SWG	Kg.	72	44.91	3233.52
12	Stay Insulator	No.	12	5.00	60.00
13	Binding Wire	Kg.	2	60.00	120.00
14	Binding Tape	Kg.	2	36.00	72.00
15	GI Wire 8 SWG	Kg.	5	44.91	224.55
16	L.T. Spacers	No.	42	80.00	3360.00
18	Wedge Connectors				0.00
a)	Ant to Ant	No.	16	130.00	2080.00
b)	Gnat to Gnat	No.	16	130.00	2080.00
17	Sundries, such as Nut-Bolts				0.00
19	Washes, Jumpers etc.	L.S.	1	2500.00	2500.00
Sub-Total A					75896.61

Cost of Material in Lakhs	0.76
Cost of Service @ 47.525% on Cost of Material	0.36069574
Total Cost of Material in Lakhs	1.12
Less cost of L.T. conductor as Sr. No.2 & 3	0.29
Total Cost of Material in Lakhs	0.83

**Executive Engineer
M.S.E.D.C.L., Palghar
Division.**



Office of the Superintending Engineer, 2/3 "Deepashree" Navghar(E), Vasai Rd.
Phone : 95250 – 2393373, 2391096 (O), 2391144 (P),
E-mail : sevasai@mahadiscom.in

Ref. No.:SE/VC/Tech/ 10464

Date : 10/08/2011

To,
The Executive Engineer
MSEDCL, O&M Division,
Vasai/ Virar/ Palghar.

Sub : Scheduled rates for various items for 33/22/11KV line
and LT line works for the year 2011-12.

Ref : 1)TOL.No.SE/VC/Tech/Sch.Rates/10247 Dt.24.09.2009
2)Meeting held at Vasai Circle Office Dt.09.08.2011

With reference to the above subject and discussions during the meeting held at Vasai Circle Office on Dt. 09.08.2011, the scheduled rates are revised and enclosed herewith.

The revised scheduled rates proposed by the committee and duly approved by the competent authority shall come in force from the date of issue of this order. These rates shall be applicable for the area coming under the administrative control of Vasai Circle. Following points should be considered along with the rates approved for the year 2011-12.

- 1)The rates are inclusive of transportation of material from road side to work place.
- 2)Concreting for LT Poles and stays in Urban area/marshy land is allowed.

HT supports and HT stays are to be provided concreting and the volume of concreting allowed as under-

- | | | |
|-------------|---|-------------------------|
| 1) HT Poles | : | 20 Cft. |
| 2) LT Pole | : | 16 Cft. |
| 3) HT Stay | : | 12 Cft |
| 4) LT Stay | : | 12 Cft |
| 5) Muffing | : | 09 Cft with 1:3:6 ratio |

The rates will be applicable for one year from date of issue of this order or till the next revision.

Superintending Engineer
Vasai Circle

Encl: As above.

Copy s.w.rs.to:
The Chief Engineer, MSEDCL, Kalyan Zone, Kalyan

Copy to:
The Assistant Manager(F&A), Vasai Circle

**MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.
O&M CIRCLE, VASAI.**

APPROVED ITEM SCHEDULE FOR HT/LT O/H LINES FOR FY-2011-12

ANNEXURE- 'A'

Sr. No.	Description of Item	Unit	Approved Rate
1	Exavation of pole pit, Erection of poles, concreting (1:4:8) of the same with contractors cements, sand etc. and transporting the poles from road side the pole pit upto 2 Km range		
	1) RSJ Pole 175x85mm upto 11 Mtr	No.	2380
	2) RSJ Pole 100x116mm upto 11 Mtr	No.	2380
	3) RSJ Pole 100x116mm upto 13 Mtr	No.	2520
	4) Rails 90 lbs/105 lbs/ RSJ 152x152mm	No.	2520
	5) RSJ 125x75mm 8 to 9 Mtr long	No.	1960
2	6) PSC Poles 8/9 Mtr.	No.	1960
	Exavation of pole pit, Erection of poles and backfilling with boulders soils and raming including transpsortation within 2 Km range		
	1) PSC Pole 8 Mtr	No.	540
	2) PSC Pole 9 Mtr	No.	560
3	3) RSJ Pole 125x75mm	No.	315
	Exavation of pole pit, Erection of DP structurer including transporting of poles within 2 Km range concreting with contractors cement sand and metal in 1:4:8 ratio and fixing of power channel		
	1) RSJ Pole 175x85mm	No.	4910
	2) RSJ Pole 100x116mm upto 13 Mtr	No.	5190
	3) RSJ Pole 152x152mm upto 13 Mtr	No.	5190
4	4) Rails 90/105 lbs/mtr 13 Mtr. Long.		5190
	Exavation of pole pit, Fixing and erection of stay sets, concreting with 1:4:8 ratio (Cement, metal and sand will be provided by contractor at at a distance minimum 10 ft. above ground level.their cost) binding of stay wire 7/8 SWG		
	1) HT Stay sets	Set	1400
5	2) LT Stay sets	Set	1260
	Exavation of pole pit,Fixing and erection of stay sets, binding of stay wire fixing of stay insulators as specified about, back filling of stays with boulders and then ramming	Set	305

6	HT Stay sets, refixing and binding, labour only	Set	95	
7	LT Stay sets, refixing and binding, labour only	Set	80	
8	Concreting for muffing of RSJ/Rail poles including supply of 3/4" x 3/4" machine broken metal and screened sand (concrete ratio 1:3:6) to fiorm 9 cft of concrete in one bag of cement (about 50 Kg)			
	1) with supply of cement, sand and metal by contractor	Cft.	105	
	9	Special muffing of RSJ Poles with excavation, clamping, fixing of channels including supply of 3/4" x 3/4" machine broken metal and screened sand (concrete ratio 1:3:6) to form 12 cft of concrete in one bag of cement (about 50 Kg)		
	1) with supply of cement, sand and metal by contractor	Cft.	140	
10	Fixing of V' Cross arms/fiber glass straight cross arm	No.	50	
11	Fixing of Y' cross arms/fiber glass straight cross arm	No.	55	
12	Fixing of 22KV Pin Insulator with Pins, labour only	No.	8	
13	Fixing of top fitting labour only	No.	17	
14	Fixing of cut point channel including fixing of 3 hole strips and fixing of support angle, labour only.	Set	105	
	15	Fixing of disc insulator with H/W, labour only 1) For three disc	Set	28
16	Fixing of power channel, labour only	Set	165	
17	Fixing of base channel, labour only	Set	165	
18	Fixing of LA/Pin channel, labour only	No.	105	
19	Fixing of Horngap/D.O. Channel, labour only	Set	165	
20	Fixing of D.O./Horn gap set including accessories labour only.	Set	280	
	21	Paving out and stringing of 3 HT conductors with binding, labour only 1) For 0.1 to 0.2 ACSR/ AAAC Conductor 2) For 0.06 upto 0.1 ACSR/AAAC Conductor/ equivalent 3) For below 0.06 ACSR/AAAC or equivalent	Span	1680
22	Paving out and stringing of LT conductors including fixing insulator and binding etc. fixing and fitting of cross arm and H/W and concreting neutral with earth including fixing of service line, labour only.			
	1) 1 Ph. 2 Wire	Span	490	

	2) 1 Ph 2 Wire	Span	600
	3) 3 Ph 4 Wire	Span	700
	4) 3 Ph 5 Wire	Span	805
23	Hiring of hand cart with cart men for dist. Above 2 Km	Per day	560
24	HT guarding using 6/8 SWG G.I. Wire including fixing of guarding cross arm. Including earthing of guarding with carpet lace at every 8 feet along the road & 6 feet across the road.	Span	490
	LT guarding using 6/8 SWG G.I. Wire including fixing of guarding cross arm. Including earthing of guarding with carpet lace at every 6 feet along the road and 4 feet across the road.	Span	280
	Fixing of spacers		
26	1) with contractor material	No.	55
	2) with company's material	No.	20
27	Removing of existing poles and dismantling the concreting without cutting the poles and transporting the same to Sub Division Stores.		
	1) 125x70mm RSJ Pole	No.	700
	2) 175x 115mm/ 100x116mm RSJ HT Pole	No.	980
	3) 150x 150mm/ 90/ 105 lbs/yd Rail 13 Mtr long HT Pole	No.	1190
28	Removing of existing LT without cutrting where concreting is not provided with above condition and transporting the same to S/Dn. Stores.	No.	420
29	Fixing of 3 CT & 3 PT of HT cons. Location with supply of GI Channel, Clamps, Glands.	No.	8620
30	Painting of poles & fixtures & cleaning, scrubbing of surface area and then applying two coats of red oxide paint, one coat Alum paint, one coat of black bituminous paint for 5' length from ground level for existing line. Paints is to be supplied by contractor with ISI Mark.		
	1) HT Support	No.	455
	2) LT Support	No.	315
31	Installation of A.B. Switches with alignment and jumper connections so as to give trouble free operation including fixing of handle etc.	No.	1050
32	Installation of Lightening Arrestors with fixing of channel for the same connecting L.A.'s with line through jumpers (for functional use only) 33KV, 22KV & 11KV.		
	1.Where channel is to be fixed by contractor	Set	235

	2.Where channel is already fixed	Set	140
33	Earthing of HT Poles (with all materials provided by contractor) G.I. strip 25mm x 3m, G.I. Pipe 1" die 6'		
	long 10 Kg coal, 25 Kg Salt.	No.	630
34	Earthing of LT Poles (with earthing provided by contractor) G.I. strip 25mm x 3m G.I. Pipe 1" die 6'		
	long 10 Kg coal, 25 Kg Salt.	No.	490
35	Providing earthing to Dist. Transformer Lightening Arrestors 2 separate, Neutral 2 earthing D.P. structure		
	1 earthing, Dist. Box or feeder pillar/ LT ACB/OCB		
	1 earthing, Body 2 earthing & providing of G.I. Pipe 1" die 6' length 8 Nos., Charcoal 25 Kg, Salt 50 Kg, G.I.		
	Wire 8 sWG 25 Mtr.,G.I. strips 25x3mm- 40 mtr Earth pits 8 Nos. by Contractor.	S/Stn.	6300
36	Installation of Dist. Transformer fixing of Dist. Box/ feeder pillar/ACB cable connections from transformer to		
	Dist. Box/feeder pillar/ ACB upto including 63 KVA	S/Stn.	1610
	100 KVA to 150 KVA	S/Stn.	2420
	200 KVA to 630 KVA	S/Stn.	3225
37	Removal of existing line conductor with fabrication and lifting of same to concerned sub divisional store yard		
	H.T. line all 3 conductor	span	545
	LT Line all 4/5 conductor		420
	LT Line all 2/3 conductor	span	305
38	Crimping of jumpers using own hydraulic crimping machine, man power, T&P & transportation for 0.06 ACSR & above/ equivalent with contractor material		
	0.06 to 0.1 ACSR		
	Open Sleeves heavy duty	No.	475
	Close sleeves heavy duty	No.	375
	T Connector heavy duty	No.	615
	0.15 to 0.2 ACSR		
	Open Sleeves	No.	600
	Close sleeves	No.	525
	T Connector	No.	700
39	Unskilled Labour	Per day	225
40	Skilled Labour	Per day	275
41	Tree cutting for HT/LT line clearance as per IE Rules	Span	200
42	Survey/ Patrolling for HT/LT line & reporting in prescribed format	Per Pole	50
43	Restranging of loos span conductor (tightning) without		

	disturbing guarding & removing old binding jumper,		
	restringing providing new binding, jumper & tightening		
	of clamp/ cross arm, stay etc.		
	1)LT Single Ph. 2 Wire	Span	245
	2) LT Single Ph. 3 Wire	Span	280
	3) LT Three Ph, 4 Wire	Span	350
	4) LT Three Ph. 5 Wire	Span	420
	5) HT line below 0.06 ACSR	Span	365
	6) HT line 0.06 ACSR & above.	Span	455
44	a) Erection of 8 way feeder pillar with ACB complete including construction of foundation in cc ratio 1:4:8 & curing for 7 days as per MSEDCL specifications.	No.	2520
	b)Erection of 6 way feeder pillar with ACB as above.	No.	2240
	c)Erection of 4 way feeder pillar with ACB as above.	No.	1960
	d) Erection of mini pillar with ACB as above.	No.	1400
45	a) Erection of 8 way feeder pillar without ACB as above	No.	2240
	b)Erection of 6 way feeder pillar without ACB as above.	No.	1960
	c)Erection of 4 way feeder pillar without ACB as above.	No.	1680
	d) Erection of mini pillar without ACB as above.	No.	1260
46	Proding of LT Earthing to Feeder Pillar/ Mini pillar as directed by site engineer incharge, complete including excavation of earth pit, providing & fixing of earthing strips G.I. of 25x3mm & G.I. Pipe 20mm dia, 4 1/2 ' in length hot deep galvanized, Coal & salt G.I. nutbolts refiling etc. as per company specification.	No.	405
	Excavation of cable trench 0.5 mtr wide & 0.8 mtr deep for LT		
	a) in soft soil	rmt	28
	b) in murum	rmt	45
47	c) in hard rock/ asphalted or concrete road.	rmt	70
	Errection of stud pole		
	1)With Contractor's cement & metal HT	No.	1400
48	2)With contractor's cement & metal LT	No.	1120
	Removal of existing /deteriorated guarding G.I. Wire of 6/8 SWG span & return it to Store/ sub division.	Span	98
49	Excavation of cable trench 0.5 m wide and 1.0 m deep for HT		
50	a. In soft soil	Rmt	30
	b. In murum	Rmt	48
	c. In hard rock/Asphalted or concret road	Rmt	75
51	Streaching handling and laying of LT cable with 75 mm sand, bedding & reinstating the same by using sand, side & top bricks. Refilling the trench upto the ground level		

	as per standard method of constructions.		
	a. up to 50 sq.mm/ 3 1/2 core cable	Rmt	35
	b. 70 sq.mm /3.5 core cable	Rmt	42
	c. 95 sq.mm /3.5 core cable	Rmt	48
	d. 120 sq.mm/3.5 core cable	Rmt	62
	e. 185 sq.mm/3.5 core cable	Rmt	70
	f. 240 sq.mm/3.5 Core cable	Rmt	75
	g. 300 sq.mm/3.5 core cable	Rmt	82
52	Stretching handling and laying of HT cable with 75 mm sand, bedding & reinstating the same by using sand, side & top bricks. Refilling the trench upto the ground level		
	as per standard method of constructions.		
	a. 95 sq.mm /3 core cable	Rmt	85
	c. 185 sq.mm/3 core cable	Rmt	102
	d. 240 sq.mm/3 Core cable	Rmt	130
	e. 300 sq.mm/3 core cable	Rmt	160
53	Earthing of HT cable with excavation of earth pit size 2 'x2'x5' providing 1" di meter 2 Mtr. Long G.I. Pipe		
	25x 3mm G.I. Strip, solt, coal & screened soil	Set	1030
54	HT Cable support wooden clamp with nut & bolt		
	a. 95 sq.mm	No.	445
	b.185 sq.mm	No.	470
	c.240 sq.mm	No.	490
	d.300 sq.,mm	No.	515
55	HT Cable marker	No.	515
56	LT Cable Marker	No.	342
57	Laying of LT cable through already laid pipes		
	a. up to 50 sq.mm/ 3 1/2 core cable	Rmt	20
	b. 70 sq.mm /3.5 core cable	Rmt	23
	c. 95 sq.mm /3.5 core cable	Rmt	26
	d. 120 sq.mm/3.5 core cable	Rmt	30
	e. 185 sq.mm/3.5 core cable	Rmt	36
	f. 240 sq.mm/3.5 Core cable	Rmt	41
	g. 300 sq.mm/3.5 core cable	Rmt	47
58	Supply & laying full round pipe 150mm dia 2 m. length with collar	Se	385
59	Supply & laying half round pipe 150mm dia 2 m length with collar	Set	258
60	Supply & laying of red bricks	No.	5
61	Excavation back filling of LT strait joint pits & labour charges for cable straight through jointing work.		
	a. up to 50 sq.mm/ 3 1/2 core cable	Rmt	702
	b. 70 sq.mm /3.5 core cable	Rmt	795
	c. 95 sq.mm /3.5 core cable	Rmt	840

	d. 120 sq.mm/3.5 core cable	Rmt	938
	e. 185 sq.mm/3.5 core cable	Rmt	1050
	f. 240 sq.mm/3.5 Core cable	Rmt	1190
	g. 300 sq.mm/3.5 core cable	Rmt	1330
62	End termination of LT cable with crimping of lugs.		
	a. up to 50 sq.mm/ 3 1/2 core cable	Rmt	85
	b. 70 sq.mm /3.5 core cable	Rmt	113
	d. 120 sq.mm/3.5 core cable	Rmt	175
	e. 185 sq.mm/3.5 core cable	Rmt	200
	f. 240 sq.mm/3.5 Core cable	Rmt	258
	g. 300 sq.mm/3.5 core cable	Rmt	335
63	End termination of LT cable with crimping of lugs if lugs supplied by MSEDCL		
	a. up to 50 sq.mm/ 3 1/2 core cable	Rmt	56
	b. 70 sq.mm /3.5 core cable	Rmt	80
	d. 120 sq.mm/3.5 core cable	Rmt	118
	e. 185 sq.mm/3.5 core cable	Rmt	138
	f. 240 sq.mm/3.5 Core cable	Rmt	150
	g. 300 sq.mm/3.5 core cable	Rmt	175
64	Transportation & erection of pole pieces for LT cable support with excavation of pit size 2'x2'x4' with concreting materials cement, sand & metal in the ratio 1:3:6		560
65	Removing and connection of cable ends in mini pillar, feeder pillar		175
66	LT cable jumpering to LT line with binding		
	a. up to 50 sq.mm/ 3 1/2 core cable	Rmt	38
	b. 70 sq.mm /3.5 core cable	Rmt	50
	c. 95 sq.mm /3.5 core cable	Rmt	60
	d. 120 sq.mm/3.5 core cable	Rmt	73
	e. 185 sq.mm/3.5 core cable	Rmt	85
	f. 240 sq.mm/3.5 Core cable	Rmt	95
g. 300 sq.mm/3.5 core cable	Rmt	107	
67	Removing of LT faulty cable making proper coil & crediting to Sub Division store.		
	a. up to 50 sq.mm/ 3 1/2 core cable	Rmt	13
	b. 70 sq.mm /3.5 core cable	Rmt	15
	c. 95 sq.mm /3.5 core cable	Rmt	20
	d. 120 sq.mm/3.5 core cable	Rmt	23
	e. 185 sq.mm/3.5 core cable	Rmt	25

	f. 240 sq.mm/3.5 Core cable	Rmt	30
	g. 300 sq.mm/3.5 core cable	Rmt	35
68	Dismantling of old feeder pillar/ mini pillar & crediting to sub division store.	No.	280
69	Replacement of dist. Transformer & LT cable from transformer to feeder pillar & jumper etc.		
	a. 100 KV	No.	1400
	b. 200	No.	1820
	c. 300/315 KVA Capacity & above with crane	No.	2805
70	Erection of Single phase transformer on pole	No.	700
71	Providing barbar wire as per standard practice	No.	14
72	Providing of skilled labour for HT Poles with gass cutting & welding for extension of hight.	No.	975
73	Providing of skilled labour for LT Poles with gass cutting & welding for extension of hight.	No.	515

**Superintending Engineer
Vasai Circle**

Annexure- B

Sr. No.	Particulars	Unit	Approved Rate
1	11 KV Pin Insulator with G.I. Pin	No.	110
2	22 KV Pin Insulator with G.I. Pin	No.	356
3	11 KV Disc Insulator 70 KN	No.	292.34
4	H.T. Earthing Set	Set	266.85
5	H.T. Stay Set	Set	619
6	H.T. Stay Wire 7/8 SWG	KG	50.30
7	HDGI Channel 100x50 mm	KG	66.15
8	HDGI Channel 75x40 mm	KG	66.15
9	HDGI Channel 50x50x6 mm	KG	66.15
10	HDGI Channel 50x8 mm, 50x10 mm.	KG	59.90
11	GI wire 8 SWG	KG	50.55
12	GI wire Nut bolt with washers of various size	KG	67.5

13	strain Hardware for 200 Sq.mm.conductor	set	607.5
14	strain Hardware for ACSR 100 Sq.mm.	set	373.75
15	strain Hardware for ACSR 55 Sq.mm.	set	165
16	LT Shackle Insulator with hardware	set	35
17	LT Shackle Insulator	No.	7.45
18	LT Shackle Hardware	set	28.35
19	LT stay Set	set	551
20	LT stay wire	KG	50.5
21	LT stay Insulator	No.	5.65
22	LT Earthing with g.i Pipe	No.	231
23	Earthing HDG Flat 50x6mm.	Kg	59.5
24	Providing of 11 KV H.T.Cable Joint Termination Size 95mm ² Outdoor (Make RAYCHEM)	Kit	7465
25	Providing of 11 KV H.T.Cable Joint Termination Size 95mm ² Indoor (Make RAYCHEM)	Kit	4635
26	Providing of 11 KV H.T.Cable Joint Termination Size120-185mm ² Outdoor (Make RAYCHEM)	Kit	8016
27	Providing of 11 KV H.T.Cable Joint Termination Size120-185mm ² Indoor (Make RAYCHEM)	Kit	5546
28	Providing of 11 KV H.T.Cable Joint Termination Size240-300mm ² Outdoor (Make RAYCHEM)	Kit	9013
29	Providing of 11 KV H.T.Cable Joint Termination Size240-300mm ² Indoor (Make RAYCHEM)	Kit	5917
30	Providing of 11 KV H.T.Cable Joint Termination Size400 mm ² Outdoor (Make RAYCHEM)	Kit	9479
31	Providing of 11 KV H.T.Cable Joint Termination Size 400 mm ² Indoor (Make RAYCHEM)	Kit	6249
32	Providing of 22 KV H.T.Cable Joint Termination Size150-185 mm ² Outdoor (Make RAYCHEM)	Kit	11704
33	Providing of 22 KV H.T.Cable Joint Termination Size150-185 mm ² Indoor (Make RAYCHEM)	Kit	7574

34	Providing of 22 KV H.T.Cable Joint Termination Size240-400 mm2 Outdoor (Make RAYCHEM)	Kit	15561
35	Providing of 22 KV H.T.Cable Joint Termination Size240-300 mm2 Indoor (Make RAYCHEM)	Kit	8910
36	Providing of 33 KV H.T.Cable Joint Termination Size70-95 mm2 Outdoor (Make RAYCHEM)	Kit	13216
37	Providing of 33 KV H.T.Cable Joint Termination Size70-95 mm2 Indoor (Make RAYCHEM)	Kit	8228
38	Providing of 33 KV H.T.Cable Joint Termination Size120-185 mm2 Outdoor (Make RAYCHEM)	Kit	17130
39	Providing of 33 KV H.T.Cable Joint Termination Size120-185 mm2 Indoor (Make RAYCHEM)	Kit	12442
40	Providing of 11 KV St.through Joints for 50-95 sqmm	Kit	12185
41	Providing of 11 KV St.through Joints for 120-185sqmm (Make RAYCHEM)	Kit	15501
42	Providing of 11 KV St.through Joints for 240-400sqmm (Make RAYCHEM)	Kit	16953
43	Providing of 22 KV St.through Joints for 70-95sqmm (Make RAYCHEM)	Kit	23483
44	Providing of 22 KV St.through Joints for 120-150sqmm (Make RAYCHEM)	Kit	24781
45	Providing of 22 KV St.through Joints for 185-240 sqmm (Make RAYCHEM)	Kit	31386
46	Providing of 22 KV St.through Joints for 300-400 mm (Make RAYCHEM)	Kit	34189
47	Providing of 33 KV St.through Joints for 95-150sqmm(Make RAYCHEM)	Kit	31195
48	Providing of 33 KV St.through Joints for 185-300sqmm (Make RAYCHEM)	Kit	43340
49	Providing of 33 KV St.through Joints for 400sqmm (Make RAYCHEM)	Kit	48534
50	Providing of LT St.through Joints for 25-50sqmm (Make RAYCHEM)	Kit	675
51	Providing of LT St.through Joints for 70-95sqmm (Make RAYCHEM)	Kit	974

52	Providing of LT St.through Joints for120-185sqmm (Make RAYCHEM)	Kit	1319
53	Providing of LT St.through Joints for 225-240 sqmm (Make RAYCHEM)	Kit	1448
54	Providing of LT St.through Joints for 300 sqmm (Make RAYCHEM)	Kit	1739
55	Providing of LT St.through Joints for 400 sqmm (Make RAYCHEM)	Kit	2368
56	Labour charges ofH.T. Cable Joint Terminaton Size95-185mm2 Outdoor	LS	2500
57	Labour charges ofH.T. Cable Joint Terminaton Size95-185mm2Indoor	LS	2300
58	Labour charges ofH.T. Cable Joint Terminaton Size240-400mm2Outdoor	LS	3000
59	Labour charges ofH.T. Cable Joint Terminaton Size240-400mm2Indoor	LS	2800
60	Labour charges of St.through Joints for 3 C /95-185mm sq (Make RAYCHEM)	LS	5000
61	Labour charges of St.through Joints for 3 C /240-400mm sq (Make RAYCHEM)	LS	6000
62	Labour charges of LT St.through Joints for 185mm sq (Make RAYCHEM)	LS	500
63	Labour charges of LT St.through Joints for 240mm sq (Make RAYCHEM)	LS	500
64	Labour charges of LT St.through Joints for 300mm sq (Make RAYCHEM)	LS	500

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