Government of Madhya Pradesh Public Works Department

Office of the Executive Engineer PWD E/M, Division No. 1, Shed No. 11A Bara Dafater Jawahar Chowk Bhopal

web site: www.mppwd.gov.in email:- eepwdelecbpl@mp.nic.in

Phone No. 0755-2776679

Tender Notice No. 167/TS/2013-2014(E/M)Bpl/2nd call Dated : 21/01/2014

Sealed tenders on "A" Form are invited on behalf of Governor of M.P. for the following works on SOR from the Registered Electrical Contractors with the Government of M.P., P.W.D. in appropriate class. The department will not be responsible for any postal delay.

S. No.	Name of work	Cost of Tender Form (Rs.)	1) Probable amount of contract (PAC) (Rs.) 2) Earnest Money (Rs./)	Last date & time of issue of blank tender form	1) Date of receipt of tender 2) Office	1) Date, time of opening of tender 2) Office	1) Period of completion of work 2) Class of contractor 3) Call No.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	Zonal Work) For Providing Electrification Work In NRB / RB / AR / SR / Deposite / At Sectoin Vidisha, Ganj Basoda and Kurwai PWD E M Sub Division Vidisha	Rs. 2000/- (Rs. Two Thousand Only)	1) Rs. 9,90,000.00 (Rs Nine Lakh Ninety Thousand Only) 2) Rs. 19,800.00 (Rs. Nineteen Thousand Eight Hundred Only)	Dt. 06/02/14 Up to 5.30 pm	Dt 07/02/14 Up to 5:30 pm 2) E.E. PWD E/M Dn. No. 1 Bhopal	1) Dt. 10/02/14 at 10:30 am 2) E.E. PWD E/M Dn. No. 1 Bhopal	1) 12 Months 2) "C" New & above 3) 2nd Call

(1) Validity of tender will be120 days from the date of opening of tender.

(2) In case of holidays the tender shall be received/opened on the next working day.

(i) Copy of the valid Registration Certificate as a contractor with Govt. of M.P, Registered in appropriate class. In case of firm or partnership submit copy of DEED & Power of Attorney.

(ii) Current Income Tax clearance certificate. Registration and clearance certificate as per clause 36 of M.P., Vanijyak kar Adhiniyam.

(iii) No relationship certificate.

(iv) EMD Should be Submitted in Form of FDR/TDR Only. No other form Shall be accepted.

(v) EMD Should be Submitted in Fresh and No Adjustment of EMD Allowed

(vi) All the Documents should be submitted after self attesting them.

(Rajesh Dubey)
Executive Engineer
PWD E/ M Division No. 1, Bhopal
(Phone No. 0755-2776679

Tender Time Schedule NIT No 167

S.No.	MP State	Contractor Stage	Start Date & Time	Expiry Date & Time
1	2	3	4	5
1	Purchase of Tender Start Date Online	-	21.01.2014 17:30	-
2	-	Online Purchase of Tender End Date	-	06.02.2014 17:30
3	-	Online Bid Submissions End Date	-	07.02.2014 17:30
4	Mandatory Submissions Open Date and Time	-	10.02.2014 10:30	-
5	Financial bid Open date and Time	-	10.02.2014 12:30	-

Date and time for submission of physical E.M.D. upto **08/02/2014 at 5.30 p.m.**

Scan Copy of Registration MP PWD
Scan Copy of PAN Card
Scan Copy of TIN
Scan Copy of Electrical Liecence
Scan Copy of EMD

GOVERNMENT OF MADHYA PRADESH

P.W. DEPARTMENT

DETAILED NOTICE INVITING TENDERS

Date of issue of N.I.T 21/01/2014

Date of Receipt of Tender 07/02/2014

1. INTRODUCTION :

1.1. Sealed tenders are invited on behalf of the **Governor of M.P.** for the following work in form **"A"** and will be received at the office of the **Executive Engineer PWD E/M Dn. No. I, Bhopal** up to **5:30**PM.on the Division office from categories "**C" & above** of.

"A" Class contractors registered, in **% the E-IN-C PWD Bhopal.**

"B" Class registered in the **% the E-IN-C PWD Bhopal.**

"C" Class in the office of the **% the E-IN-C PWD Bhopal.**

Name of work : (Zonal Work) For Providing Electrification Work In NRB / RB / AR / SR / Deposite / At Sectoin Vidisha, Ganj Basoda and Kurwai PWD E M Sub Division Vidisha

1. Amount of Estimate **Rs. 20,29,360.00**
2. Probable amount of Contract **Rs. 9,90,000.00**
3. Amount of earnest money **Rs. 19,800.00**
4. Time allowed for completion : **Twelve Months** Including rainy season from the date of written order to commence the work.

1.2. The electrical work shall be executed only through the contractors who possess proper valid electric licence from the Chief Electrical Advisor to the Government. He should also attach a copy of the licence.

1.3. Not more than one tender shall be submitted by a contractor or by a firm of contractors

1.4. Not two or more concerns in which an individual is interested as a proprietor and / or partner shall tender for the execution of. the same work. If they' do so, all such tenders shall be liable to be rejected

1.5. The **Govt. of M.P.** shall be accepting officer hereinafter referred to as such for the purpose of this contract.

E.E. **E.E.**

1.6. Application issue of tender documents shall be submitted to **E.E. P.W.D. E/M Dn. No. I, Bhopal** so as to reach the office not later than ..... **up to 5:00 PM**

E.E. **E.E.**

1.7. Tender documents consisting of plans specifications, schedule(s) of quantities of the various classes of work to be done, the condition of contract and other necessary documents will be open for inspection online and issued for sale for payment of Rs. **2000.00** to be paid online on or before **06/02/2014 and upto 5.30 p.m.**

1.8. The copies of the drawings and documents pertaining to the work 'signed for the purpose of identification by the accepting officer or his accredited representative and samples of materials to be arranged by the contractor will be open for inspection by meanderers at the following office during working hours been the dates mentioned in clause 1.7 above.

Executive Engineer

P.W.D. E/M Dn. No.1, Bhopal

2. RATES :

2.1. The schedule o fitems :-

The schedule o f main items of work to be executed is enclosed as Annexure-(F)

2.2. Percentage rate tender in form **"A"**

2.2.1. In respect of percentage rate tenders, ' contractor should quote his separate tender percentage rate above or below the following schedules of rate.

E.E. **E.E.**

(a) Building works- The current schedule of rates issued by the ..... in force from .....and its amendments issued up to date of N.IT.

E.E. **E.E.**

(b) Electrical Fitting- The current schedule of rates issued by the **E-IN-C PWD** in force with effect from **01-04-2008** and its amendments issued up to the date of issued of N.IT.

E.E. E.E.

(c) Water supply and sanitary fittings- The current schedule for rates issued by the ..... in force with effect from ..... and its amendments issued up to date of issue of N.I.T.

(d) Road works- The current schedule of rates issued by the .....in force with effect from ..... and its amendments issued up to the date of issue of N.I.T.

2.2.2. (Form "A" only) The percentage of tender above/below or at par with the relevant schedule rates inclusive of ,amendments and correction slips issued up to the date of the notice inviting tenders should be expressed on the tender from itself both in words arid figures in such a way that interpolation is not possible and all over writing should be neatly scored out and rewritten and the corrections should be duly attested prior to the submission of tender. Tenders not specifying percentage in words will summarily be rejected. Any amendments to the schedule of rates after the date of issue of this tender notice or the date of issue of any amendments to the N.I.T. specially notifying the said amendment to the current schedule of rates, shall not apply to this tender.

2.2.3 The percentage tendered by the contractor will apply to those rates which find place in current schedule of rates mentioned in clause 2.2.1 or have been delived from the side current schedule of rates and not to other items of work.

2.2.4. The percentage quoted by the contractor shall not be altered b y the contractor during the terms of contract. The deduction or addition as the case' may be of the percentage will be calculated on the amount of the bill for the work done, after deducting the cost of materials supplied departmentally at rates specified in the agreement.

E.E. E.E.

2.3.1 Item Rate tenders in form-"B" In respects of item rate fenders, contractor should quote his rates forthe item mentioned in the schedule of item in Annexure-F of this N.LT. Only rates quoted shall be considered. The rates should be expressed in figures as well as words and the unit should be as given by the Department. The contractor will not have the freedom to change the unit. No percentage above or below the schedule be quoted.

2.3.2. The rates quoted in the tender for the various items of work will not be altered by the contractor during the term of contract.

E.E.

2.4. Lead and lift of water- No lead and lift for car ting of water will be paid .

E.E.

2.5 Lead and lift of materials- No lead and lift for carting of materials shall be payable to the contractor except in case o f such items for which specific lead and life are provided in the current schedule of rates mentioned id clause 2.2.1. of the NIT or in the schedule of items in respect of item rate tenders.

2.6. Non schedule items of works- During th e execution of the work there is likelihood of such items of work, which do not find place in the current schedule of rates, referred to above in respect of percentage rate contractors or- such items which are given in the schedule of items in respect of item rate contractors, for which contractor has not quoted his rates. Contractor will have to carry out these items of work.

Rates of such items of work which. do hot find place in the current schedule of rates referred to above in respect of percentage rate contractors or such items in respect of item rate contracts shall be decided by the **S.E. PWD E/M Circle, Bhopal** and the decision of the REGISTRAR shall be building on the contractor. The quantum of such work will not exceed 10% of amount of contract unless accepted b y the department and the contractor.

3. Submission of Tender :

3.1. Earnest money- No Tender will, be received without a deposit of earnest money of **Rs 19,800.00** which will be returned to the unsuccessful tenderers on the rejection of their tenders or earlier as may be decided by the competent authority and on production of a certificate of that all tender documents have been returned and will be retained from the successful tenders as part of the security deposit.

3.2 Form of Earnest Money:

3.2.1. Where the amount of Earnest money is more than Rs. 500/- the same shall be accepted only in the shape of Bank drafts or in other shapes mentioned in W. D. Manual para: 2.079 in favour of officer inviting tender.

3.2.2. The intending tenders from other states may remit E.M. in the bank draft of any schedule bank to the **Executive Engineer PWD E/ M Dn. No.1, Bhopal.**

3.3. Earnest Money in separate covers- The Earnest Money in one of the prescribed forms should beproduced / sent separately and not kept in the covers containing the tender and if the earnest money is not found in accordance with the prescribed mode the tender will be returned unopened to the tenderer.

3.4. Adjustment of Earnest money- Earnest money, which has been deposited for a particular work**,** will not, ordinarily, be adjusted towards the earnest money for another work, but if the tender of contractor for a work in the same division has been rejected and the earnest money has not been refunded to him due to any reason, if may be so adjusted by the Executive Engineer.

3.5. Security Deposit- (a) The Security deposit shall be recovered from the Running Bills, **@ 5%.** percent as per clause-1 o f the agreement read with para 3.5 of the N.I.I.

(b) The amount of the E. M. shall not be adjusted when value of work done reached the limit of the amount of Contract or exceeds the probable amount of the contract.

3.6. Implication of submission of Tender- Tenderers are advised to visit - site sufficiently in advance of the date fixed for admission of the tender. A tenderer shall be deemed to have full knowledge of the relevant documents, samples, site etc. whether he inspects them or not.

3.7. The submission of a tender b y contractor implies that he has read the notice, conditions of tender and all other contract do cuments and made himself aware of the standar d and procedure, in this respect, laid down in the National, Building Code of India 197 0 Indian Standards the scope and specification of the work to be done and the conditions and rates at which stores, tools and plants etc. will be issued to him by the **E.E. PWD E/ M Dn. No.1, Bhopal** has seen the quarries with their approaches, site of work, etc., and satisfied himself regarding the suitability and availability of site of work, etc., and satisfied himself regarding the suitability and availability o f the materials at the quarries. The responsibility of opening new quarries and construction and maintenance of approaches thereto shall lie wholly with the contractor.

3.7.1 A solvency certificate or attested photocopy thereof from any scheduled bank the application for tender papers.

Such solvency certificate should not be older than 12 months from the date of application, amount of solvency to be furnished for various amount of contracts (put to tender) shall be as hereunder.

E.E.

The amount of work put to tender	**Amount of solvency to be indicated in the certificate from the Bank**
1. Above Rs. 2 Lakhs but upto 5 Lakhs	Rs. 25,000
2. Above Rs. 5 Lakhs but uptoRs. 25 Lakhs	Rs. 3 Lakhs
3. Above Rs. 25 Lakhs but uptoRs. 50 Lakhs	Rs. 5 Lakhs
4. Above Rs. 50 Lakhs but uptoRs. 200 Lakhs	Rs. 12 Lakhs
5. Above Rs. 200 Lakhs	Rs. 25 Lakhs

E.E.

CERTI FI CATE

On the basis of transactions / turn over in the account of ....

(Name and Address)

we are in t he opinion that he is solvent to the extent of Rs.....(Rupees.....

This is without any prejudice and responsibility on our part.
Tender copies would not be issued / sold in the absence of these documents.

3.8. Income Tax Clearance Certificate- A tenderer purchasing tender documents for works exceeding Rs. 2,00 lacs shall submit either an ,Income Tax Clearance Certificate in the form printed as Annex ure D or a certificate from the, Income Tax authority th at the assessment is under consideration. No tender documents can be issued / sold to him unless such certificate is submitted.

3.9 List of works in progress- Tenders be accompanied by a list of Contracts already held by the tenderer at the time of submitting the tender, in the Department and elsewhere showing therein

(i) The amount of each contract.
(ii) Balance of work remaining to be done and
(iii) The amount of solvency-certificate produced by him at the time of enrolment in the..... .....

3.10. Relationship- The contractor shall not be permitted to tender for works in the Division(responsible for award and Execution of contracts) in which his near relative is posted as Divisional Accountant. He shall intimate the names of his near relative working in **M.P.** Secretariat and **E/ M** Divisions. He shall also intimate the name of persons who are working with him in any capacity or subsequently employedb y him and who are near relatives to any gazetted officer in the **M.P.**Secretariat.Any breach of this. condition by the contractor would render himself liable to be removed from the approved list of contractors o f the **Department**

Note- By the term near relative is meant wife, husband. parents and son, grand son brothers, sisters, brother-in-laws, father-in-law and mother-in-law.

3.11. The tender for the works shall be witnessed by a contractor. Failure to observe this condition shall render the tender of the contractor liable to r ejection.

4. Opening and Acceptance of Tender:

4.1. Place and Time of opening- The tender shall be opened at time and place stated in para-1 by the Executive Engineer in the presence o f the tenderer. o r their duly authorized agents who may be choose to attend. The executive Engineer under unavoidable circumstances may depute another officer in his, absence to receive and open tenders on his behalf.

4.2. Powers of University Engineer (Executive Engineer)- The University Engineer (Executive Engineer) does not bind himself to accept or recommend for the acceptance to the **S.E. PWD E/ M Circle, BPL** or other higher authority, the lowest or any tender or to give any reasons for his decision.

4.3 Conditional Tender- Conditional tenders are liable to be rejected.

4.4. Canvassing- Canvassing for support in any form for the acceptance of any tender is strictlyporhibite, Any tenderer doing so will render himself liable to penalities which may include removal of his name from the register of approved contractors or penal action Under section-8 of the M.P. VinirdishttaBhrastaAcharanNivaranVidheyak, 1982.

4.5. Unsealed Tender- The tenders shall be rejected, if not properly sealed.

4.6. Authority of Executive Engineer- The authority competent to accept a tender receiver the right ofaccepting the tender for the whole work or for a d istinct part of it, or distributing the work between one or more tenderers.

4.7. Validity of offer- Tender shall remain open upto four months from the date of receipt of tender **and** in the event of the tenderer withdrawing the offer before the aforesaid date for any r eason whatsoever, earnest money deposit with the tender shall be forfeited by the **Deptt.**

5. Specification :-

5.1. Brief Specification- A brief note on construction and specification of the work is enclosed in Annexure-E.

5.2. Material of Construction- The materials of construction to: be used in the work shall be governed by the provision of part-V of the National Building Code of India. 1970 & the relevant Indian, Standard specification with amend ments and revisions issued up to the date of tender notice,

5.3. Workmanship- The work shall carried out according to the specification referred to hereinafter andaccording to sound engineering practice, the decision of the Executive Engineer, in respect of workmanship will be final.

5.4. Specification for building works- (Including water supply and sanitary fittings.).

5.4.1 The contractor shall execute the work in conformity with the standards and procedure laid down in the National Building Code of India, 1970, and as per Maharashtra P. W. D. specification or specifications or force, o r special specification whenever enclosed separately, and in accordance With the approved drawing.

5.4.2. Concrete- all concrete shall be mixed in concrete mixers and compacted by mechanical Vibrators.Slump test shall be carried out during Concreting and sample test cubes prepared and tested in due course. The testing will be carried out by the Department.

The results of the tests shall conform with the required standard and if th e Engineer-in-Charge considers that a structural test is necessary, the same shall be carried out as instructed b y the Engineer-in-Charge. at th e contractor's expense and should the result of this be unsatisfactory the contractor will be bound to take down and reconstruct the particular portion of Work which has given untsfactory test results.

5.4.3. Bricks- The contractor should use the bricks manufactured on the metric measures, as far aspossible.

5.4.4. All timber used in the wood work for all new works must be properly seasoned. In case of important building mechanical seasoning should be done in good seasoning Plant. In case the contractor does not procure good seasoned wood he may be asked to get it season ed in plant as his own expense but no certificate is required where no additional rate is paid.

E.E.

5.4.5. Maintenance of roofs- Subjects to the provision in the agreements, it will be the responsibility ofthe contractor to see that the building does not leak durin g the period of the first rainy season in respect of tile and sheet roofing and two consecutive rainy seasons in respect of lime concrete and cement concrete terraced roof, after its completion and he will make good and replace all the defective work on this account.

E.E.

5.5. Specification of Electrical works-

5.5.1. The work will be carried out as per the approved drawing and as directed by the Engineer-in-Charge .The work will be governed by 'General Specification' for the Electrical works in Government buildings in Madhya Pradesh in force from 1972.

5.5.2. All samples of electrical accessories should be got approved from the Engineer-in-Charge Contractor will have to arrange and afford all facilities for their - inspection and rectify the defects pointed out by them. A list of accessories is enclosed as Annexure E.

5.5.3. The period of testing and refund of deposit will be 6 months after completion of work.

E.E.

5.5.4. In case of supply of ceiling fan, table fan, ex haust fan, cabin fan tube light fixtures will be made by the ..... as mentioned in the C.S.R. As such labour rates only as per C.S.R. will be paid for fitting such items in position as per C.S.R.

E.E.

5.5.5. The contractor should submit wiring diagram on tracin g cloth showing the point position of switch, length of point, position, of D.B. and main switch circuit No. In which points fall at the time of final bill. Otherwise deduction of 1/2 percent (half percent) will be made from the bill.

5.6. SPECIFICATION FOR WORKS: E.E.

(Excluding Bridges and culverts)

The road works and collection of materials for road works shall be arrived out according to Maharashtra 'PW.Q specifications, as adopted for ..... or specificationsinforce, or special specifications wherever enclosed separately, or the relevant specifications published by the Indian Road Congress,

E.E.

5.7. CONTRADICTIONS OR AMENDMENTS- In the event of contradictions between the stipulations of the current schedule of rates (vide part of this N.I.T.) and aforesaid specification (vide para, 5.1 to 5.7 above) the stipulations of the current schedule o f rates shall gain precedence. In the event of contradictions, if any between different specifications and or codes of practice, referred to above the decision of the ..... shall be final subject to appeal in case of dispute before ..... within one month of ..... ecision.

6. SUPPLY MATERIALS (Not Applicable)

6.1. MATERIAL SUPPLIED BY THE .DEPARTMENT- The following materials will be supplied by the department.

E.E. **E.E.** **E.E.**

Name of materials.	Rate	Place of delivery
(1) Cement .....Rs.	Per Bag (Including cost of container)	.....
(2)	.....	.....
(3)	.....	.....

E.E. **E.E.** **E.E.**

E.E.

6.1.1. The Contractor shall be liable to return unused cement bags after due allowance of limit of variation prescribed in the C.S.R. to the stores of the ・・・・・_.. failing which cost of unused cement bags shall be recovered from contractor at double the agreement rates/issue rate which ever is more.

6.2. RETURN OF EMPTY CEMENT BAGS- It shall be compulsory o n the part of the contractor to preserve and return empty cement bags in sound condition to the extent of at least 75 percent of the bags issued to him, to the ..... engineer-in- charge of work at the place of issue for which no transportation will be payable. The rebate for such bags will be as per rates fixed by D.G.S. & D. from time to time. In case the empty bags are not require by the ..... the contractor will have to sell these to the authorized collecting agents at the price fixed by the D.G.S & D. from time to time and produce receipts in support.

6.3. PENALTY FOR NON-ETURN OF BAGS - For each bag not so returned to the extent of issues; in sound condition a rate of Rs. ..... per bag will be charged. The decision of the Engineer-in-charge whether or not a -bag is in sauna condition shall be final.

E.E.

6.4. In case of the departmental supply of Iron / Steel: to the. Contractor the labour rate will be paid for cutting, bending and placing with binding wire as: provided in C.S.R. (with due allowance for the percentage above or- below C.S.R. tendered and accepted.).

6.5. DELAY IN SUPPLY- If the materials are not supplied in time, the contractor will not be allowed any claim for any loss, which may be caused to him, but only extension of time will be given at the discretion of the Executive Engineer and **SDO** if applied for by the contractor before the expiry of the contract.

7. MISCEUANEOUS CONDITIONS:

7.1. SUBLETTING- The contractor shall not without the prior approval of the competent authority in, writtting, sublet or assign to an y other party or parties. the whole or any portion of the work under the contract.

Where such approval is granted, the contractor, shall not be relieved of any obligation or duty or responsibility which he undertakes under the contract.

7.2. TAXES-All dues regarding taxes, including the sales tax, other duties, etc., levied on the contractor's work by Government and local bodies or private individuals will be payable by the contractor. The **Department** will grant a certificate for the quantities actually used on the work but will not entertain any claim on this account.

7.3. Minerals extracted for works carried out on behalf of the Government of India, from the qurries in possession of and controlled b y the State Government is subject to payment of Royalty by the contractor to whom it shall not be refundable. The **Department** shall not also issue any certificate in respect of such materials extracted for Government of India Work (Applicable to Government of India works only).

7.4. RULES OF LABOUR CAMPS- The contractor will be bound to follow the Madhya Pradesh Model

Rule relating to lay-out, water supply and sanitation on labour camps (vide Annexure-A) and the provisions of the National Building Code' of India in regard to constructions and safety.

7.5. FAIR WAGES- The contractor shall pay not less than fair wages to laborers engaged by him on theworks (rules enclosed vide Annexure B)

7.6. WORKS IN THE VICINITY- The Executive Engineer reserves the right to take up departmental work or to award on contract in the vicinity without prejudice to the terms of contract.

7.7. **BEST QUALITY OF CONSTRUCTION MATERIALS-** Materials of the best quality will be used as approved by the Executive Engineer.

7.8. REMOVAL OF UNDESIRED PERSONS- The contractor shall on receipt of the requisition fromthe Executive Engineer at once remove any person employedb y him on the work who if in the opinion of the Executive Engineer is unsuitable undesirable.

7.9. AMOUNT DUE FROM CONTRACTOR- Any amount, due to Govt. of M.P. fromthe contractor on any account concerning work may be recovered from him as arrear of land revenue.

7.10 TOOLS AND PLANTS- The contractor shall arrange at his own cost tools and plant required forthe proper execution of the work. Certain plants may however be issued to the contractor as a special case.

7.11 RIGHTS TO INCREASE OR DECREASE WORK- The Competent authority reserves the rightto increase or decrease work. The competent authority reserves the right to increase or decrease any item of the work during the currency of the contract and the contractor will be bound to comply with the order of the competent authority without any claim for compensation.

7.12. TIME SCHEDULE- The work shall be done by the contractor according to the time schedulefixed by the competent authority.

7.13 TIME OF CONTRACT- Time allowed for carrying out the work as entered in the N.I.T. shall bestrictly observed by the Contractor and shall be reckoned from the date of work order to commence the Work.

7.14 PAYMENT BY CHEQUES- The payment will be made by **E-Payment**

7.15 TRANSPORT OF MATERIALS- The contractor shall make his own arrangement for transport of all materials. The **Department** is not bound to arrange for priority in getting wagon or any' other material through all possible assistance by way of recommendation will be given. if it is found necessary in the operation by the Engineer-in-charge: if it proves to be in effective,' the contractor shall have no claim for any compensation on the account.

8. SPECIAL CONDITIONS- To be inserted in the N.I.T. of a particular work if found necessary in theinterest of the work.

8.1. AGREEMENT

8.1.1 EXECUTION OF AGREEMENT- The tender whose tender has been accepted hereinafter referred to as the contractor, shall produce an appropriate solvency, certificate if so required by the Executive Engineer and will execute the agreement in the prescribed form, within a fortnight of the

date of communication of the acceptance of his tender by competent authority. Failure to do so will result in the earnest money being forfeited to **Govt.** and tender being cancelled.

8.1.2 (a) The Contractor shall employ the following Technical Staff during the Execution of work.

(i) One Graduate Engineer when the work to be ex ecuted is more than Rs. 5 Lakshs.

(ii) One Diploma Holder, Sub-Engineer when the cost of work to be executed is from Rs. 2 lakhs or more but not more than - 5 lakhs.

(b) The Technical Staff should be available at sit whenever required by the Engineer-in-charge to take instructions.

(c) In case the contractor fails to employ the technical staff as aforesaid, the E.E. shall, have the right to take suitable remedial measures.

(d) The contractor should give the names and other detail of the Graduate Engineer/Diploma Holder Sub-Engineer whom he intends to employ or who is under employment on the work at the time he commences the work..

(e) The Contractor should give a certificate to the effect that the Engineer/Diploma holder Sub-Engineer is exclusively in his employment.

Provided that-

(i) An Engineer or Sub-Engineer may look after more than one work in the same locality but the total value of such work under him should not exceed Rs. 25 lakhs in the case of an En gineer and Rs 5 lakhs in the case of a Sub-Engineer.

(ii) It is not necessary for the contractor's partner in the case of firm/compan y, who is himself an Engineer, Sub-Engineer to employ another Engineer, Sub-Engineer for the Supervision of work.

(iii) The retired Assistant Engineer who is holding a Diploma may be treated at par with a Graduate for the operation to the above clause.

In case the contractor fails to employ the Technical staff as aforesaid he shall be liable to pay the **E.E. PWD E/ M Dn. No.1, Bhopal** sum of Rs. 30,000 (Thirty Thousand only) for each month of default in the case of graduate Engineer and Rs. 18000.00 (Eighteen Thousand only) for each month of default in case of Diploma Holder Sub-Engineer.

8.2 CONDI TI ONS APPLI CABLE FOR CONTRACT- All the condition of the tender notice will be binding on the contractors in addition to the Conditions of the contract in the prescribed form –

Following documents annexed this N. I.T. shall forma part of the contract.

Annexure "A" Model rules relating to labour, water supply etc.
Annexure "B" Contractor's labours regulations.
Annexure "C". Source of materials (not applicable for building works)
Annexure "D" Form of Income Tax Clearance Certificate (Applicable to works costing more. than Rs. 2.00 lakhs.)
Annexure "E" Brief specifications.
Annexure "F" Schedule of items.
Annexure "G" Form of Bank Guarantee.

ANNEXURE "A"

Model Rules Relating to Labour, water Supply and Sanitation in Labour Camps

Note :- These model rules are intended primarily for labour camps which are not of a permanent nature.

They lay down the minimum desirable standard which should be adhered to Standards in permanent or semi permanentlabour camps should not obviously be lower than those for temporary

camps.

1. LOCATION- The camp should. be located in elevated and well drained ground in the locality
2. Labourhuts to be constructed for one family, of 5 persons each. The layout to be shown in the prescribed sk etch.
3. HUTTING- The huts to be built of local materials. Each hut should provide at least. 20 sq. meters of living space.
4. SANITARY FACILITIES- Latrines and urinals shall be provided at last 15 meters away from the nearest quarters separately for men and women and specially so marked on the following scale.
5. LATRINE- Pit provided at the rate of 10 users or two families per seat, separate urinals as required as the privy can also be used for this purpose.
6. DRINKING WATER- Adequate arrangements shall be made for the supply' of drinking water.

   If practicable filtered anq chlorinated supplies shall be arranged, wh en supplies is from intermittent sources overhead storage tank shall be provided with a capacity of five liters a persons per day Where the supply is to be made from well it shall confirm to the sanitary standard laid down in the report of the Rural Sanitation Committee.

   The well, should be at least 30 meters away from any latrine or other source of pollution. If possible hand pump should be .installed for drawing the water from well. The well should be effectively. disinfected once ever y month and the quality of the water should be got tested at the Public Health institution between each work of disinfecting.
7. BATHING AND WASHING- Separate bathing and washing place shall be provide for men and women for every 25 persons in the camp. There shall be one gap and space 2 sq. meters for washing and bathing. Proper drainage' for the waste water should be provided.
8. WASTE DISPOSAL- Dustbin shall be provided at suitable place in camp and the residents shall be directed to throw all rubbish into those dustbins. The Dustbins shall be provided with cover.
   The contents shall be removed every day and disposed off by trenching.
9. MEDICAL FACILITIES- (A) Ever y camp where 1.000 or more persons reside shall be provided with whole time doctor and dispensary. If there ar e women in the camp a whole time nurse shall be employed.

(B) Every camp where less than 1.000 but more than 250 persons reside shall be provided with a dispensary and a part time nurse/midwife.

(C) If there are less than 250 persons in any camp a first aid kit shall be maintained incharge of whole time persons, trained in first aid. All the medical facilities mentioned above shall be for all residents in the camp including a dependent of the worker, if any free of cost.

SANITARY STAFF-For each labour camp there should be qualified sanitary inspector and sweepers should be provided in the following scales :

1. For camps with strength over 200 but not exceeding 500 persons-one sweeper for every 75 persons above the first 200 for which 3 sweepers shall be provided.
2. For camps with a strength over 500 persons one sweeper for every 1 00 persons above first 500 for which 6 sweepers should be provided.
3. For a camp with a strength of 200 persons. four sweepers.

ANNEXURE-'B'

Contractor's Labour Regulations

The contractor shall pay not less than fair wage to labourers engaged by him in the work.

EXPLANATI ON-

(a) 'Fair wages" means wages wheth\er for time or piece work as notified on the date of inviting tenders, and where such wages have not been so notified the wages, prescribed by the M.P. PWD

department for the division in which the work is done.

(b) The contractor shall not withstanding the provisions of an y contract to the contrary, cause to be paid a fair wage to labourers indirectly engaged on the work including any labour engaged by his sub-contractors in connection with the said work as if labourers had been immediately employed by him.

(c) In respect of all labour directly or indirectiy employed on the works or the performance of his contract, the contractor shall comply with of cause to be complied with the labour Act in force.

(d) The Executive Engineer/Sub-Divisional Officer shall have the right to deduct from the money due to the contractor any sum required of estimated to be requited fo r making good the loss suffered by worker or workers by reason 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 their wages which are not justified by their terms of the contract or non -observance of regulations.

(e) The contractor shall be primarily liable for all payment to be made under and for the observance of the regulations aforesaid without prejudice to his right to claim indemnity from his sub- contractors.

(f) The regulation aforesaid shall be deemed to be a part of this contract and an y breach thereof shall be deemed to be a breach of this contract.

(g) The contract or shall obtain a valid licence under the ,Contract (Regulation and Abolition) Act inforce and rules mad e there under b y the competent authority from time to time before commencement of work, and continue to have a valid licence until the completion of the work.

Any failure to fulfil this requirement shall attract the penal provisions of this contract arising out of the resulted non-execution of the work assigned to the Contractor.

ANN EXURE-"C"

E.E.

Statement Showing the Lead of Materials

S.No.	Description	Lead
1.	.....	
2.	.....	
3.	.....	
4.	.....	
5.	.....	

Note- This statement is only for guidance of the contractor. The tender should satisfy himself regarding the availability of the required quality and quantity of Materials. **E.E.**

ANNEXURE-"D"

Form of certificate on Income Tax to be submitted by

Contractor Tendering for works Costing Rs. 2.00 Lakhs or more

(i) Name and style '(of the company firm H.U.F. or individual) in which the applicant assessed to income tax and address for purposes of assessment.

(ii) The Income tax Circle/Ward/District in which the applicant is assessed to Income-tax.

(iii) Following particulars concerning the last income' tax assessment made:

(a) Reference No. (ofG.I.R.No.) of the assessment.

(b) Assessment year and accounting year.

(c) Amount of total income assessed.

(d) Amount of tax assessed IT, S.T., E.P.T., B.P.T.

(e) Amount of tax paid I.T., S.T., E.P.T., B.P.T.

(f) Balance being \ax not yet paid and reasons for such arrears.

(g) Whether any attachment or certificate proceedings pending in respect of the arrears.

(h) Whether the company of firm or H.U.F. on which the assessment was mad e has been or is being liquidated, wond up dissolved, partitioned or being declared insolvent, as the case may be.

(i) The position about later assessment namely, whether returns submitted under section 22(1) or (2) of the income tax act and whether tax paid under section 18-A of the act and the amount of tax so paid or in arrears.

(iv) In case there has been no income tax assessment at a!1 in the past, whether returns submitted under section 21 (1) or (2) and 18-A(3) and if so, the amount of income-tax returned or tax paid and the income tax circle/ward/district concerned.

(v) The name and address of branch. (es) verified the particulars set out above and .found correct subject to the following remarks,

Dated .....

Signature of I.T.O.

Circle / ward / District

ANNEXURE -E

Specification for the work of construction of (Zonal Work) For Providing Electrification Work In NRB / RB / AR / SR / Deposite / At Sectoin Vidisha, Ganj Basoda and Kurwai PWD E M Sub Division Vidisha

Executive Engineer

PWD E/M Dn. No. 1, Bhopal

Annexure "F"

Schedule of item to be Executed

S. No.	Particulars of Items	Unit
	Attached	

Executive Engineer

PWD E/M Dn. No. 1, Bhopal

ANNEXURE : E-1

N.I.T CONDITION AND SPECIAL CONDITION FORM 'A'

1. The tender is called on above/below percentage rates basis as per Electrical Shedule of Rates of MPPWD in force from 01.04.208 and ammnended upto date of issue of the N.I.T.
2. The work shall be carried out as per Latest Central P.W.D. specifitcation in force in MPPWD from 1.04.2008 amended upto date.
3. If the head quarter of the successful tenderer is at a place other than Bhopal, he will have a duly authorized agent in Bhopal, from the commencement of work till the work is taken over by the department.
4. The work not as per electrical specification will be rejected.
5. The successful tenderer shall make his own arrangement for supply of material and electricity of work.
6. The tenderer shall extend all reasonable facility and co-Operation to the various other agencies and con tractors working at site, simultaneously, so that the entire work can be processed smoothly for successful completion.
7. The tenderer shall have to arrange all facility for the inspection of the work and to arrange for the approval of the work from authorized Govt. agencies.
8. The successful tenderer shall make his own arrangements for transport of all materials.
9. The installation shall be tested on completion of the work by the contractor in the presence of the Assistant Engineer. E/M or his representative and his remark recorded in the completion certificate. The completion certificate will be given by the comp tractor or his authorized agent to the Executive Engineer E/M.
10. The work "as described "as specified ";" as shown ";" as directed ";" as approved "or as " required "shall be meant, as described in specification, schedule of quantities and other tender documents and as directed or approved by Engineer-In-Charge.
11. In addition to all the condition of the tender notice, these special condition will be binding on the contractor and shall form part of the agreement to be execured by the contractor in addition to the condition of the contract in the prescribed form.
12. Nothing extra shall be payable other than the rates in SOR. Plus/Minus contractor's tender rate.
13. Payment shall not be released before the grant of extension if required.

14. **SPECIAL CONDITION :-**

(i) Validity of the Agreement:- The agreement will be valid upto the end of financial year ie.31.03.2013 or the date upto which the tender amount has been completed, whichever is earlier.The Contractor shall not claim any extra rate amount on account of change in Rate of material or taxes whatsoever during the currency of contract.

(ii) The Engineer in charge reserves the right to issue work orders for any work within his division even if it does not belong to the section/Sub-division/place specified in the tender and contractor shall be bound to carry out the works at the Rates Approved in the Tender and be will not be paid any extra amount on this account.

(iii) The tender also includes the minor electrical works and electrical work being of urgent nature, the contractor shall be required to keep ready two wiremen and helpers and he should provide their services within one hour on demand failing which penal action shall be taken against the contractor which may extend up to cancellation and black listing of the registration besides other panel actions.

(iv) Additional performance gaurantee shell be deposited deposite by lowest tenderer (L-1) in case of unworkable quoted tender rates " as per instructions contained in MP PWD Govt. Circular No. F - 53 / 2 / 2011 / Yo / 19 / 5788, Bhopal, Dated : 25-10-2011.

Sub Engineer	Sub Divisional officer PWD E/ M Sub Division Vidisha	Executive Engineer PWD E&M Dn. No.1 Bhopal

ANNEXURE : E-II

LIST OF APPROVED ELECTRICAL MATERIAL TO BE USED

ANNEXURE-E-1

A FORM GRADE - B

S.No.	Name of Product for Electrical Item	Brand Name or Make	Remarks
1	PVC insulated Copper Conductor FR/FRLS, ISI Marked	Anchor , KEI ,Polycab, R.R. Cable, STANDARD, MPS	
2	PVC Conduit Pipe , ISI Marked its Heavy Grade Accessories,	AKG, BEC, SHRINATH, KENT	
3	PVC Casing & Capping Accessories, ISI Mark,	Precision , MODI , AKG	
4	Steel Conduit Pipe & Accessories	BEC, AKG	
5	Non Modular-Flush type Switch Socket, ceiling Rose, Holders (poly Carbonate)	,Anchor, SSK, PHILCON(D-ART) KENT	
6	Phenolic Laminated Sheet	Hylam , Anchor	
7	MCB/Isolator/RCCB/MCCB/MCB DB / Busbar	HAVELLS, STANDARD,	
8	XLPE insulated Cable L.T./H.T.	KEI, POLYCAB,PRIMCAB, HAVELLS,	
9	Lamp H. PSV HPMV. Lamp , MH LAMP.	Crompton, Bajaj, Osram	
10	Lumananries Doimastic/Commercial/Fixture. Flood light/Street/Light/CFL/	Crompton, Bajaj, wipro, HAVELLS,	
11	Ceiling Fan (Energy Saver)/ wall mounted Fan.	Bajaj, Usha, ORIENT, HAVELLS,	
12	Ex. Fan/Fresh air fan/ (ISI Marked)	Bajaj, Crompton, Usha, HAVELLS,	
13	GI Pipe (ISI Marked)	Swastik, Jindal	
14	Cable Glands	Comet, Brass, Comex, Cosmos, Jainsons	
15	Cable Lugs and Sockets	Dowells, Hex, Jainsons, Comet	
16	ACB/SFUS/Change Over Switch/MCCB	HAVELLS,STANDARD	
17	Main Switch L.T. Switchgear and Accessories	HAVELLS, STANDARD, HPL,	
18	Distribution Transformer	STAR DELTA ,TESLA , ,CROMPTON	

Note :-

1. Engineer in Charge reserves the right to choose any one of above makes.
2. Other makes shall be used after prior approval.
3. All Fan/Fixtures should be connected with 3 Core Copper flexible Sheathad ISI Mark Cable with connection.
4. Double Lock casing capping shall be used rawl plug/PVC plugs shall be used to fix conduits and casing capping.
5. Only bends shall be used, elbows are not allowed in conduit wiring.
6. In steel conduit wiring system threaded type accessories shall be used.

Sub Engineer

Sub Divisional Officer
PWD (E/M) Sub Div.
Vidisha

Executive Engineer
PWD (E&M) Division-1
Bhopal

ANNEXURE : F
SCHEDULE OF ITEM

Schedule (Zonal Work) For Providing Electrification Work In NRB / RB / AR / SR / Deposite / At Sectoin Vidisha, Ganj Basoda and Kurwai PWD E M Sub Division Vidisha

Tiome Period :- 12 Months **P.A.C. Rs : - 9,90,000 = 00 ONLy**

S.No	Description of work	Unit	Rate
1	SOR Item No-1 on page -1 : Point wiring (excluding metallic switch box & sheet but including switches, sockets, lamp holders/ceiling roses etc) with 1.5 Sq. mm. PVC insulated cable FR with copper multi strand conductor ISI marked in surface rigid steel conduit ISI Marked of suitable size and 1.5 Sq. mm. PVC insulated copper earth continuity conductor of green colour inside conduit including painting, etc. as required as per specification for :- (using flush type normal accessaries)		
	1.1 Light Point / Fan Points.		
	a) Short point	Each	193.00
	b) Medium point	Each	397.00
	c) Long point	Each	635.00
	1.2 3 Pin 6 Amp socket outlet on Separate Board		
	a) Short point	Each	193.00
	b) Medium point	Each	396.00
	c) Long point	Each	634.00
	1.3 Call Bell / Buzzer Points		
	a) Short point	Each	194.00
	b) Medium point	Each	398.00
	c) Long point	Each	636.00
	1.4 Twin Control light points		
	a) Short point	Each	223.00
	b) Medium point	Each	455.00
	c) Long point	Each	731.00
	SOR Item No-1.5 on page -1: Point wiring (excluding metallic switch box & sheet but including switches, sockets) for 3 pin 6 Amp. Socket outlet point with 1.5 Sq. mm. PVC insulated cable FR with copper multi strand conductor ISI marked in surface rigid steel conduit ISI marked of suitable size and 1.5 Sq. mm. PVC insulated copper earth continuity conductor of green colour inside conduit with required materials as per specification on same board (using flush type normal accessaries)	Each	55.00
	SOR Item No-1.6 on page -1 : Wiring for circuit wiring with PVC insulated cable FR with copper multi strand conductor ISI marked in surface rigid steel conduit of ISI marked suitable size including painting etc. as required as per specification (using flush type normal accessaries)		
	a) 2x2.5 Sq.mm.	metre	87.00
	b) 4x2.5 Sq.mm.	metre	123.00
	c) 6x2.5 Sq.mm.	metre	154.00
	d) 8x2.5 Sq.mm.	metre	186.00
2	SOR Item No- 2 on page -2 : Point wiring (excluding metallic switch box & sheet but including switches, sockets, lamp holders/ceiling roses etc) with 1.5 Sq. mm. PVC insulated cable FR with copper multi strand conductor ISI marked in Concealed rigid steel conduit ISI Marked of suitable size and 1.5 Sq. mm. PVC insulated copper earth continuity conductor of green colour inside conduit including painting, etc. as required as per specification for :-(using flush type normal accessaries)		
	2.1 Light Point/Fan Points.		
	a) Short point	Each	234.00
	b) Medium point	Each	450.00
	c) Long point	Each	699.00
	2.2 3 Pin 6 Amp socket outlet on Separate Board		
	a) Short point	Each	233.00
	b) Medium point	Each	450.00
	c) Long point	Each	701.00
	2.3 Call Bell / Buzzer Points		
	a) Short point	Each	237.00
	b) Medium point	Each	454.00

	c) Long point	Each	704.00
	2.4 Twin Control light points		
	a) Short point	Each	263.00
	b) Medium point	Each	526.00
	c) Long point	Each	803.00
	SOR Item No- 2.5 on page -2 : Point wiring (excluding metallic switch box & sheet but including switches, sockets) for 3 pin 6 Amp. Socket outlet point with 1.5 Sq. mm. PVC insulated cable FR with copper multi strand conductor ISI marked in Concealed rigid steel conduit ISI marked of suitable size and 1.5 Sq. mm. PVC insulated copper earth continuity conductor of green colour inside conduit with required materials as per specification on same board	Each	76.00
	SOR Item No- 2.6 on page -2 : Wiring for circuit wiring with PVC insulated cable FR with copper multi strand conductor ISI marked in Concealed rigid steel conduit of ISI marked suitable size including painting etc. as required as per specification		
	a) 2x2.5 Sq.mm.	metre	102.00
	b) 4x2.5 Sq.mm.	metre	142.00
	c) 6x2.5 Sq.mm.	metre	174.00
	d) 8x2.5 Sq.mm.	metre	205.00
3	SOR Item No- 3 on page -3 : Point wiring (excluding metallic switch box & sheet but including switches, sockets,lamp holders/ceiling roses etc) with 1.5 Sq. mm. PVC insulated cable FR with copper multi strand conductor ISI marked in Surface rigid P.V.C. conduit (MMS) ISI Marked of suitable size and 1.5 Sq. mm. PVC insulated copper earth continuity conductor of green colour inside conduit including painting etc. as required as per specification for :- (using flush type normal accessaries)		
	3.1 Light Point/Fan Points.		
	a) Short point	Each	156.00
	b) Medium point	Each	292.00
	c) Long point	Each	459.00
	3.2 3 Pin 6 Amp socket outlet on Separate Board		
	a) Short point	Each	154.00
	b) Medium point	Each	291.00
	c) Long point	Each	458.00
	3.3 Call Bell / Buzzer Points		
	a) Short point	Each	155.00
	b) Medium point	Each	292.00
	c) Long point	Each	460.00
	3.4 Twin Control light points		
	a) Short point	Each	185.00
	b) Medium point	Each	352.00
	c) Long point	Each	559.00
	SOR Item No- 3.5 on page -3:Point wiring (excluding metallic switch box & sheet but including switches, sockets) for 3 pin 6 Amp. Socket outlet point with 1.5 Sq. mm. PVC insulated cable FR with copper multi strand conductor ISI marked in Surface rigid P.V.C. conduit (MMS) ISI marked of suitable size and 1.5 Sq. mm. PVC insulated copper earth continuity conductor of green colour inside conduit with required materials as per specification on same board . (using flush type normal accessaries)	Each	55.00
	SOR Item No- 3.6 on page -3 :Wiring for circuit wiring with PVC insulated cable FR with copper multi strand conductor ISI marked in Surface rigid P.V.C. conduit (MMS) of ISI marked suitable size including painting etc. as required as per specification (using flush type normal accessaries)		
	a) 2x2.5 Sq.mm.	Metre	60.00
	b) 4x2.5 Sq.mm.	Metre	98.00
	c) 6x2.5 Sq.mm.	Metre	130.00
	d) 8x2.5 Sq.mm.	Metre	162.00
4	SOR Item No- 4 on page -4 : Point wiring (excluding metallic switch box & sheet but including switches, sockets,lamp holders/ceiling roses etc) with 1.5 Sq. mm. PVC insulated cable FR with copper multi strand conductor ISI marked in concealed rigid P.V.C. conduit (HMS) ISI Marked of suitable size and 1.5 Sq. mm. PVC insulated copper earth continuity conductor of green colour inside conduit including painting etc. as required as per specification for :-(using flush type normal accessaries)		
	4.1 Light Point/Fan Points		
	a) Short point	Each	204.00
	b) Medium point	Each	366.00

	c) Long point	Each	558.00
	4.2 3 Pin 6 Amp socket outlet on Separate Board		
	a) Short point	Each	201.00
	b) Medium point	Each	366.00
	c) Long point	Each	558.00
	4.3 Call Bell / Buzzer Points		
	a) Short point	Each	202.00
	b) Medium point	Each	367.00
	c) Long point	Each	559.00
	4.4 Twin Control light points		
	a) Short point	Each	232.00
	b) Medium point	Each	427.00
	c) Long point	Each	658.00
	SOR Item No- 4.5 on page -4 : Point wiring (excluding metallic switch box & sheet but including switches, sockets) for 3 pin 6 Amp. Socket outlet point with 1.5 Sq. mm. PVC insulated cable FR with copper multi strand conductor ISI marked in concealed rigid P.V.C. conduit (HMS) ISI marked of suitable size and 1.5 Sq. mm. PVC insulated copper earth continuity conductor of green colour inside conduit with required materials as per specification on same board(using flush type normal accessaries) .	Each	76.00
	SOR Item No- 4.6 on page -4 : Wiring for circuit wiring with PVC insulated cable FR with copper multi strand conductor ISI marked in concealed rigid P.V.C. conduit (HMS) of ISI marked suitable size including painting etc. as required as per specification (using flush type normal accessaries)		
	a) 2x2.5 Sq.mm.	Metre	71.00
	b) 4x2.5 Sq.mm.	Metre	109.00
	c) 6x2.5 Sq.mm.	Metre	141.00
	d) 8x2.5 Sq.mm.	Metre	172.00
5	SOR Item No- 5 on page -5 : Point wiring (excluding metallic switch box & sheet but including switches, sockets,lamp holders/ceiling roses etc) with 1.5 Sq. mm. PVC insulated cable FR with copper multi strand conductor ISI marked in Surface rigid P.V.C. CASING AND CAPPING ISI Marked of suitable size and 1.5 Sq. mm. PVC insulated copper earth continuity conductor of green colour inside casing & capping including painting etc. as required as per specification for :- (**using flush type normal accessaries)**		
	5.1 Light Point/Fan Points.		
	a) Short point	Each	151.00
	b) Medium point	Each	294.00
	c) Long point	Each	467.00
	5.2 : 3 Pin 6 Amp socket outlet on Separate Board		
	a) Short point	Each	148.00
	b) Medium point	Each	293.00
	c) Long point	Each	467.00
	5.3 : Call Bell / Buzzer Points		
	a) Short point	Each	150.00
	b) Medium point	Each	295.00
	c) Long point	Each	468.00
	5.4: Twin Control light points		
	a) Short point	Each	172.00
	b) Medium point	Each	333.00
	c) Long point	Each	533.00
	SOR Item No- 5.5 on page -5 : Point wiring (excluding metallic switch box & sheet but including switches, sockets) for 3 pin 6 Amp. Socket outlet point with 1.5 Sq. mm. PVC insulated cable FR with copper multi strand conductor ISI marked in Surface rigid P.V.C. CASING AND CAPPING ISI marked of suitable size and 1.5 Sq. mm. PVC insulated copper earth continuity conductor of green colour inside casing & caping with required materials as per specification on same board (using flush type normal accessaries)	Each	55.00
	SOR Item No- 5.6 on page -5 : Wiring for circuit wiring with PVC insulated cable FR with copper multi strand conductor ISI marked in Surface rigid P.V.C. CASING AND CAPPING of ISI marked suitable size including painting etc. as required as per specification(using flush type normal accessaries)		
	a) 2x2.5 Sq.mm.	Metre	62.00
	b) 4x2.5 Sq.mm.	Metre	100.00
	c) 6x2.5 Sq.mm.	Metre	132.00
	d) 8x2.5 Sq.mm.	Metre	163.00

6	SOR Item No- .6.1 on page -6 :Point wiring (excluding metallic switch box & sheet) for 3 Pin 16 Amp. Socket Outlet Point With 4 Sq. mm. PVC insulated cable FR with copper multi strand conductor ISI marked in Surface rigid Steel Conduit ISI Marked of suitable size including painting etc. with 16 Amp. Switch & Socket / S.S.Combined 16 Amp. of ISI Marked and 4 Sq. mm. PVC insulated copper earth continuity conductor of green colour inside conduit as per specification for :-(using flush type normal accessaries)		
	On Separate Board		
	A. Short Point	Each	313.00
	B. Medium Point	Each	669.00
	C. Long Point	Each	1076.00
	D. Extra Long -I	Each	1685.00
	E. Extra Long -II	Each	2290.00
	F. Extra Long -III	Each	2895.00
	6.2 :Same board socket 16 Amp (using flush type normal accessaries)	Each	95.00
7	SOR Item No- 7.1 on page -6 :Point wiring (excluding metallic switch box & sheet) for 3 Pin 16 Amp. Socket Outlet Point with 4 Sq. mm. PVC insulated cable FR with copper multi strand conductor ISI marked in Concealed rigid Steel Conduit ISI Marked of suitable size including painting etc. with 16 Amp. Switch & Socket / S.S.Combined 16 Amp. of ISI Marked and 4 Sq. mm. PVC insulated copper earth continuity conductor of green colour inside conduit as per specification for :-(using flush type normal accessaries)		
	On Separate Board		
	A. Short Point	Each	382.00
	B. Medium Point	Each	723.00
	C. Long Point	Each	1130.00
	D. Extra Long -I	Each	1752.00
	E. Extra Long -II	Each	2354.00
	F. Extra Long -III	Each	2957.00
	7.2 :Same board socket 16 Amp	Each	95.00
8	SOR Item No- 8.1 on page -7 :Point wiring (excluding metallic switch box & sheet) for 3 Pin 16 Amp. Socket Outlet Point With 4 Sq. mm. PVC insulated cable FR with copper multi strand conductor ISI marked in Surface rigid P.V.C.Conduit (MMS) ISI Marked of suitable size including painting etc. with 16 Amp. F.T. Switch & Socket / S.S.Combined 16 Amp. of ISI Marked and 4 Sq. mm. PVC insulated copper earth continuity conductor of green colour inside conduit as per specification for :-(using flush type normal accessaries)		
	On Separate Board		
	A. Short Point	Each	278.00
	B. Medium Point	Each	551.00
	C. Long Point	Each	923.00
	D. Extra Long -I	Each	1389.00
	E. Extra Long -II	Each	1884.00
	F. Extra Long -III	Each	2379.00
	8.2 : Same board socket 16 Amp(using flush type normal accessaries)	Each	95.00
9	SOR Item No- 9.1 on page -7 :Point wiring (excluding metallic switch box & sheet) for 3 Pin 16 Amp. Socket Outlet Point With 4 Sq. mm. PVC insulated cable FR with copper multi strand conductor ISI marked in Concealed rigid P.V.C.Conduit (HMS) ISI Marked of suitable size including painting etc. with 16 Amp. F.T. Switch & Socket / S.S.Combined 16 Amp. of ISI Marked and 4 Sq. mm. PVC insulated copper earth continuity conductor of green colour inside conduit as per specification for :-(using flush type normal accessaries)		
	On Separate Board		
	A. Short Point	Each	284.00
	B. Medium Point	Each	564.00
	C. Long Point	Each	942.00
	D. Extra Long -I	Each	1422.00
	E. Extra Long -II	Each	1926.00
	F. Extra Long -III	Each	2442.00
	9.2: Same board socket 16 Amp	Each	95.00

10	SOR Item No- 10.1 on page -8 :Point wiring (excluding metallic switch box & sheet) for 3 Pin 16 Amp. Socket Outlet Point With 4 Sq. mm. PVC insulated cable FR with copper multi strand conductor ISI marked in Surface rigid P.V.C.CASING AND CAPPING ISI Marked of suitable size including painting etc. with 16 Amp. F.T. Switch & Socket / S.S.Combined 16 Amp. of ISI Marked and 4 Sq. mm. PVC insulated copper earth continuity conductor of green colour inside capping as per specification for :-(using flush type normal accessaries)		
	On Separate Board		
	A. Short Point	Each	263.00
	B. Medium Point	Each	516.00
	C. Long Point	Each	866.00
	D. Extra Long -I	Each	1315.00
	E. Extra Long -II	Each	1786.00
	F. Extra Long -III	Each	2258.00
	10.2 : Same board socket(using flush type normal accessaries)	Each	95.00
11	SOR Item No- 11 on page -8 :Point wiring (excluding metallic switch box & sheet but including switches, sockets,lamp holders/ceiling roses etc) with 1.5 Sq. mm.PVC insulated cable FR with copper multi strand conductor ISI marked in existing Concealed rigid conduit ISI Marked of suitable size with PVC insulated copper earth continuity conductor of green colour as per specification including earthing of regulator etc as required for :-(using flush type normal accessaries)		
	11.1: Light Point / Fan Points.		
	a) Short point	Each	94.00
	b) Medium point	Each	169.00
	c) Long point	Each	265.00
	11.2 : 3 Pin 6 Amp socket outlet on Serarate Board		
	a) Short point	Each	94.00
	b) Medium point	Each	169.00
	c) Long point	Each	264.00
	11.3 : Call Bell / Buzzer Points		
	a) Short point	Each	95.00
	b) Medium point	Each	170.00
	c) Long point	Each	266.00
	11.4 : Twin Control light points		
	a) Short point	Each	125.00
	b) Medium point	Each	230.00
	c) Long point	Each	365.00
12	SOR Item No- 12 on page -9 :Point wiring (excluding metallic switch box & sheet but including switches, sockets,lamp holders/ceiling roses etc) with 1.5 Sq. mm. PVC insulated cable with Copper Stranded Conductor ISI marked in existing surface rigid conduit ISI Marked of suitable size with PVC insulated copper earth continuity conductor of green colour as per specification including earthing of regulator etc as required for :-(using flush type normal accessaries)		
	12.1: Light Point / Fan Points.		
	a) Short point	Each	89.00
	b) Medium point	Each	159.00
	c) Long point	Each	250.00
	12.2 : 3 Pin 6 Amp socket outlet on Serarate Board		
	a) Short point	Each	89.00
	b) Medium point	Each	159.00
	c) Long point	Each	250.00
	12.3 : Call Bell / Buzzer Points		
	a) Short point	Each	90.00
	b) Medium point	Each	160.00
	c) Long point	Each	251.00
	12.4: Twin Control light points		
	a) Short point	Each	120.00
	b) Medium point	Each	220.00
	c) Long point	Each	350.00

13	SOR Item No- 3 on page -3 : Point wiring (excluding metallic switch box & sheet but including switches, sockets,lamp holders/ceiling roses etc) with 1.5 Sq. mm. PVC insulated cable FR with copper multi strand conductor ISI marked in Surface rigid P.V.C. conduit (MMS) ISI Marked of suitable size and 1.5 Sq. mm. PVC insulated copper earth continuity conductor of green colour inside conduit including painting etc. as required as per specification for :-(using modular accessaries)		
	3.1 : Light Point/Fan Points.		
	a) Short point	Each	228.00
	b) Medium point	Each	363.00
	c) Long point	Each	530.00
	3.2 : 3 Pin 6 Amp socket outlet on Separate Board		
	a) Short point	Each	297.00
	b) Medium point	Each	435.00
	c) Long point	Each	602.00
	3.1 : Call Bell / Buzzer Points		
	a) Short point	Each	232.00
	b) Medium point	Each	369.00
	c) Long point	Each	536.00
	3.4 : Twin Control light points		
	a) Short point	Each	266.00
	b) Medium point	Each	433.00
	c) Long point	Each	640.00
	SOR Item No- 3.5 on page -3 : Point wiring (excluding metallic switch box & sheet but including switches, sockets) for 3 pin 6 Amp. Socket outlet point with 1.5 Sq. mm. PVC insulated cable FR with copper multi strand conductor ISI marked in Surface rigid P.V.C. conduit (MMS) ISI marked of suitable size and 1.5 Sq. mm. PVC insulated copper earth continuity conductor of green colour inside conduit with required materials as per specification on same board(using modular accessaries)	Each	197.00
	SOR Item No- 3.6 on page -3 :Wiring for circuit wiring with PVC insulated cable FR with copper multi strand conductor ISI marked in Surface rigid P.V.C. conduit (MMS) of ISI marked suitable size including painting etc. as required as per specification (using modular accessaries)		
	a) 2x2.5 Sq.mm.	Metre	60.00
	b) 4x2.5 Sq.mm.	Metre	98.00
	c) 6x2.5 Sq.mm.	Metre	130.00
	d) 8x2.5 Sq.mm.	Metre	162.00
6	SOR Item No- 5 on page -5 : Point wiring (excluding metallic switch box & sheet but including switches, sockets,lamp holders/ceiling roses etc) with 1.5 Sq. mm. PVC insulated cable FR with copper multi strand conductor ISI marked in Surface rigid P.V.C. CASING AND CAPPING ISI Marked of suitable size and 1.5 Sq. mm. PVC insulated copper earth continuity conductor of green colour inside casing & capping including painting etc. as required as per specification for :-(using modular accessaries)		
	5.1 : Light Point/Fan Points.		
	a) Short point	Each	222.00
	b) Medium point	Each	365.00
	c) Long point	Each	539.00
	5.2 : 3 Pin 6 Amp socket outlet on Separate Board		
	a) Short point	Each	292.00
	b) Medium point	Each	437.00
	c) Long point	Each	610.00
	5.3 : Call Bell / Buzzer Points		
	a) Short point	Each	227.00
	b) Medium point	Each	371.00
	c) Long point	Each	545.00
	5.4 : Twin Control light points		
	a) Short point	Each	252.00
	b) Medium point	Each	414.00
	c) Long point	Each	614.00

	SOR Item No- 5.5 on page -5 :Point wiring (excluding metallic switch box & sheet but including switches, sockets) for 3 pin 6 Amp. Socket outlet point with 1.5 Sq. mm. PVC insulated cable FR with copper multi strand conductor ISI marked in Surface rigid P.V.C. CASING AND CAPPING ISI marked of suitable size and 1.5 Sq. mm. PVC insulated copper earth continuity conductor of green colour inside casing & caping with required materials as per specification on same board (using modular accessaries)	Each	212.00
	SOR Item No- 5.6 on page -5 :Wiring for circuit wiring with PVC insulated cable FR with copper multi strand conductor ISI marked in Surface rigid P.V.C. CASING AND CAPPING of ISI marked suitable size including painting etc. as required as per specification(using modular accessaries)		
	a) 2x2.5 Sq.mm.	Metre	62.00
	b) 4x2.5 Sq.mm.	Metre	100.00
	c) 6x2.5 Sq.mm.	Metre	132.00
	d) 8x2.5 Sq.mm.	Metre	163.00
7	SOR Item No- 8.1 on page -7 :Point wiring (excluding metallic switch box & sheet) for 3 Pin 16 Amp. Socket Outlet Point With 4 Sq. mm. PVC insulated cable FR with copper multi strand conductor ISI marked in Surface rigid P.V.C.Conduit (MMS) ISI Marked of suitable size including painting etc. with 16 Amp. F.T. Switch & Socket / S.S.Combined 16 Amp. of ISI Marked and 4 Sq. mm. PVC insulated copper earth continuity conductor of green colour inside conduit as per specification for :-(using modular accessaries)		
	On Separate Board		
	A. Short Point	Each	482.00
	B. Medium Point	Each	755.00
	C. Long Point	Each	1127.00
	D. Extra Long -I	Each	1593.00
	E. Extra Long -II	Each	2088.00
	F. Extra Long -III	Each	2583.00
	8.2 : Same board socket 16 Amp(using modular accessaries)	Each	299.00
8	SOR Item No- 11 on page -8 :Point wiring (excluding metallic switch box & sheet but including switches, sockets,lamp holders/ceiling roses etc) with 1.5 Sq. mm.PVC insulated cable FR with copper multi strand conductor ISI marked in existing Concealed rigid conduit ISI Marked of suitable size with PVC insulated copper earth continuity conductor of green colour as per specification including earthing of regulator etc as required for :-(using modular accessaries)		
	11.1 : Light Point / Fan Points.		
	a) Short point	Each	166.00
	b) Medium point	Each	241.00
	c) Long point	Each	336.00
	11.2 : 3 Pin 6 Amp socket outlet on Serarate Board		
	a) Short point	Each	237.00
	b) Medium point	Each	312.00
	c) Long point	Each	408.00
	11.3 : Call Bell / Buzzer Points		
	a) Short point	Each	172.00
	b) Medium point	Each	247.00
	c) Long point	Each	342.00
	11.4 : Twin Control light points		
	a) Short point	Each	206.00
	b) Medium point	Each	310.00
	c) Long point	Each	446.00
9	SOR Item No- 15 on page -10 :Supplying and fixing PVC conduit ISI marked alongwith the accessories on surface including painting etc. as required		
	15.1 : PVC . Conduit 20 mm (MMS)	Metre	22.00
	15.2 : PVC . Conduit 25 mm (MMS)	Metre	29.00
	15.3 : PVC . Conduit 32 mm (MMS)	Metre	40.00
	15.4 : PVC . Conduit 40 mm (MMS)	Metre	54.00
10	SOR Item No- 16 on page -10 : Supplying and fixing PVC conduit ISI marked alongwith the accessories in concealed system including painting etc. as required		
	16.1 : PVC . Conduit 20 mm (HMS)	Metre	29.00
	16.2 : PVC . Conduit 25 mm (HMS)	Metre	35.00
	16.3 : PVC . Conduit 32 mm (HMS)	Metre	50.00
	16.4 : PVC . Conduit 40 mm (HMS)	Metre	63.00

11	SOR Item No- 17.1 on page -11 : Supplying and fixing factory fabricated hot dip galvanised switch box for normal flush type accessories of minimum 1.2 mm (18 swg gauge) thickness with earth terminal stud with nut and washer, with 3 mm thick synthetic phenollic resin bonded laminated sheet conforming to grade P-I of IS:2036-1974 on surface / concealed including painting etc. as required as per specification:		
	17.1.1 : MS Box 100 mm X 100 mm X60mm deep	Each	56.00
	17.1.2 : MS Box 200 mm X 150 mm X 60 mm Deep	Each	100.00
	17.1.3 : MS Box 180 mm X 100 mm X 60 mm Deep	Each	83.00
	17.1.4 : MS Box 125 mm X 300 mm X 60 mm Deep	Each	147.00
	17.1.5 : MS Box 200 mm X 250 mm X 60 mm Deep	Each	187.00
	17.1.6 : MS Box 250 mm X 300 mm X 60 mm Deep	Each	258.00
	17.1.7 : MS Box 300mm X 380 mm X 60 mm Deep	Each	367.00
12	SOR Item No- 17.2 on page -11 :Supplying and fixing of approved make modular type metal box with modular frame/ base plate and cover plate including fixing in concealed / surface excluding switch,socket etc. as required for:-		
	17.2.1 : 1 Or 2 Module	Each	53.00
	17.2.2 : 3 Module	Each	65.00
	17.2.3 : 4 Module	Each	74.00
	17.2.4 : 6 Module	Each	112.00
	17.2.5 : 8 Module	Each	149.00
	17.2.6 : 12 Module	Each	180.00
	17.2.7 : 16 Module	Each	196.00
	17.2.8 : 18 Module	Each	221.00
13	SOR Item No- 17.3 on page -11 :Supplying and fixing of approved make modular type P.V.C. box with modular base and cover plate including fixing on surface excluding switch,socket etc. as required for:-		
	17.3.1 : 1 OR 2 Module	Each	57.00
	17.3.2 : 3 Module	Each	67.00
	17.3.2 : 4 Module	Each	74.00
	17.3.3 : 6 Module	Each	107.00
	17.3.3 : 8 Module	Each	135.00
	17.3.4 : 12 Module	Each	167.00
	17.3.4 : 16 Module	Each	179.00
14	**SOR Item No- 18** on page -12 : Supplying and drawing single core PVC insulated cable FR with copper multi strand conductor ISI marked in existing rigid conduit in surface or concealed as per specification.		
	18.1 : 1.5 Sq mm cable		
	18.1.1 : 1 X 1.5 sq mm	Metre	14.00
	18.1.2 : 2 X 1.5 sq mm	Metre	24.00
	18.1.3 : 3 X 1.5 sq mm	Metre	34.00
	18.2 : 2.5 Sq mm cable		
	18.2.1 : 1 X 2.5 sq mm	Metre	20.00
	18.3 : 4.00 Sq mm cable		
	18.3.1 : 1 X 4.00 sq mm	Metre	28.00
	18.3.2 : 2 X 4.00 sq mm	Metre	52.00
	18.3.3 : 3 X 4.00 sq mm	Metre	75.00
	18.4 : 6.00 Sq mm cable		
	18.4.1 : 1 X 6.00 sq mm	Metre	41.00
	18.4.2 : 2 X 6.00 sq mm	Metre	77.00
	18.4.3 : 3 X 6.00 sq mm	Metre	114.00
15	SOR Item No- 19 on page -13 : Wiring for sub-mains with PVC insulated cable FR with copper multi strand conductor ISI marked in surface rigid steel ISI marked conduit of suitable size(conduit included) including connection painting etc ,as required as per specification		
	19.1 : 2 WIRE SUB MAIN		
	19.1.2 : 4.0 sq mm cable in 20 mm conduit	Metre	103.00
	19.1.3 : 6.0 sq mm cable in 25 mm conduit	Metre	138.00
	19.1.4 : 10.0 sq mm cable in 25 mm conduit	Metre	163.00
	19.2 : 3 WIRE SUB MAIN		
	19.2.2: 4.0 sq mm cable in 20 mm conduit	Metre	136.00
	19.2.3: 6.0 sq mm cable in 25 mm conduit	Metre	175.00
	19.2.4: 10.0 sq mm cable in 25 mm conduit	Metre	212.00
	19.4 : 4 WIRE SUB MAIN		

	19.4.2 : 4.0 sq mm cable in 25 mm conduit	Metre	161.00
	19.4.3 : 6.0 sq mm cable in 25 mm conduit	Metre	212.00
	19.4.4 : 10.0 sq mm cable in 25 mm conduit	Metre	261.00
16	**SOR Item No- 21 on page -15 :**Rewiring in existing surface /concealed rigid steel /PVC non metalic conduit with PVC insulated cable FR with copper multi strand conductor ISI marked and other materials as required including replacement of worn-out /damaged/missing material, painting etc. complete as per specification. This shall include all work, arrangement required for wiring but shall exclude switch, ceiling rose fitting etc.		
	21.1 : Light /Fan/3Pin 6AMP socket outlet on separate board / Call Bell/ Buzzer Points :-		
	21.1.1 : Short Point	Each	60.00
	21.1.2 : Medium Point	Each	136.00
	21.1.3 : Long Point	Each	229.00
	21.2 : Twin Control Light Point		
	21.2.1 : Short Point	Each	82.00
	21.2.2 : Medium Point	Each	187.00
	21.2.3 : Long Point	Each	315.00
	21.2 : Circuit Wiring		
	21.2.1 : 2 X 1.5 Sq mm.	Metre	25.00
	21.2.2 : 2 X 2.5 Sq mm.	Metre	37.00
	21.4 : 3 Pin 5 Amp Socket Outlet Point on Same Board	Each	33.00
	21.5 : 2 WIRE SUB-MAIN		
	21.5.1 : 2 X 2.5 Sq mm	Metre	25.00
	21.5.2 : 2 X 4.00 Sq mm	Metre	54.00
	21.5.3 : 2 X 6.00 Sq mm	Metre	80.00
	21.5.4 : 2 X 10.0 Sq mm	Metre	105.00
	21.6 : 3 WIRE SUB-MAIN		
	21.6.1 : 3 X 2.5 Sq mm	Metre	52.00
	21.6.2 : 3 X 4.0 Sq mm	Metre	78.00
	21.6.3 : 3 X 6.0 Sq mm	Metre	116.00
	21.6.4 : 3 X 10.0 Sq mm	Metre	154.00
	21.7 : 3 1/2 WIRE SUB-MAIN		
	21.7.1 : a) 3 x 2.5 + 1 x 1.5 sq mm	Metre	64.00
	21.7.2 : b) 3 x 4.0 + 1 x 2.5 sq mm	Metre	94.00
	21.7.3 : c) 3 x 6.0 + 1 x 4.0 sq mm	Metre	140.00
	21.7.4 : d) 3 x 10.0 + 1 x 6.0 sq mm	Metre	190.00
	21.8 : 4 WIRE SUB-MAIN		
	21.8.1 : 4 X 2.5 sq mm	Metre	70.00
	21.8.2 : 4 X 4.0 sq mm	Metre	102.00
	21.8.3 : 4 X 6.0 sq mm	Metre	153.00
	21.8.4 : 4 X 10.0 sq mm	Metre	202.00
16	SOR Item No- 22.1 on page -17 : Suppyling of ISI Marked Switch Fuse Unit (rewirable type) triple pole with neutral link ,415 Volt having conduit / cable gland entry with two earthing terminals confirming to IS : 13947(Part I & III) .		
	22.1.1: 16 Amps.	Each	977.00
	22.1.2: 32 Amps.	Each	1356.00
	22.1.3: 63 Amps.	Each	2841.00
	22.1.4: 100 Amps.	Each	5293.00
17	SOR Item No- 23 on page -21 :Supplying of metal clad ISI Marked busbar chamber made of heavy gauge iron sheet complete with copper strip and busbar supports as per specification confirming to IS -4064		
	23.1 : 32 AMP 440/500 VOLTS, 4 way	Each	528.00
	23.2 : 60/63 AMP 440/500 VOLTS, 4 way	Each	1032.00
	23.3 : 100 AMP 440/500 VOLTS, 4 way	Each	1536.00
	23.4 : 200 AMP 440/500 VOLTS, 4 way	Each	2759.00
	23.5 : 300 AMP 440/500 VOLTS, 4 way	Each	3296.00
	23.6 : 400 AMP 440/500 VOLTS, 4 way	Each	3626.00
18	SOR Item No- 24.3 on page -22 :Supplying of ISI Marked and accepted standard of Miniature Circuit Breaker (MCB) of 'C' series suitable for 240/415 Volts, 50 Cycle , 10 kA Value AC supply confirming to IS : 8828 : 1996, IEC : 60898 :2002 but without enclosures :-		
	24.3.1 : SINGLE POLE (SP)		
	24.3.1.2 : 6 Amp to 32 Amp Rating	Each	126.00

19	SOR Item No- 24.4 on page -23 :Supplying of MCB Isolators suitable for 240/415 Volts, 50 Hz AC supply with KA value rating 10 kA of approved make confirming to IS :13947-Part III : 1993 & IEC :60947- 3:2001 (without enclosures) :-		
	24.4.2 : DOUBLE POLE		
	24.4.2.1 : 40 Amps.	Each	249.00
	24.4.2.1 : 63 Amps.	Each	314.00
	24.4.3 : TRIPLE POLE		
	24.4.3.1 : 40 Amps.	Each	454.00
	24.4.3.2 : 63 Amps.	Each	493.00
	24.4.4 : FOUR POLE		
	24.4.4.1 : 40 Amps.	Each	553.00
	24.4.4.2 : 63 Amps.	Each	573.00
	24.4.4.3 : 80 Amps.	Each	748.00
20	SOR Item No- 24.5 on page -23 :Supply of approved make powder coated sheet steel encloser SPN MCB DB inclusive of Busbar, Neutral bar, Earth bar & two earth terminals etc. complete as per IS:13032(exclusive of MCB & isolator)-		
	24.5.3 : 4 way double door	Each	628.00
	24.5.4 : 6 way double door	Each	738.00
	24.5.5 : 8 way double door	Each	847.00
	24.5.6 : 12 way double door	Each	1091.00
21	SOR Item No- 24.6 on page -23 :Supplying of approved make TPN MCB DB Metal Double Door with provision for FP MCB/Isolator/RCCB/RCBO as incomer and SP MCBs as outgoing inclusive of Busbar, Neutral bar, Earth bar & two earth terminals etc. complete as per IS:13032(exclusive of MCB & isolator):		
	24.6.1 : 4 way (4+12)	Each	1704.00
	24.6.2 : 6 way (4+18)	Each	2158.00
	24.6.3 : 8 way (4+24)	Each	2492.00
	24.6.4 : 4 way (8+12)	Each	1794.00
	24.6.5 : 6 way (8+18)	Each	2218.00
	24.6.6 : 8 way (8+24)	Each	2641.00
22	SOR Item No- 24.7 on page -23 :Supplying of approved make **Vertical TPN MCB DB Metal Doo**r with provision for FP CB/Isolator/RCCB/RCBO as incomer and SP/TP MCBs as outgoing inclusive of Busbar, Neutral bar, Earth bar & two earth terminals etc. complete as per IS:13032(exclusive of MCB & isolator)		
	24.7.1 : 4 way (8+12)	Each	5057.00
	24.7.2 : 6 way (8+24)	Each	6404.00
23	SOR Item No- 24.8 on page -24 :Supplying of approved make, powder coated **Vertical TPN MCB DB Metal Doo**r with MCCB 100A TP 10kA as incomer and space for SP/TP MCBs as outgoing (without MCBs) inclusive of busbar &connections etc without MCB:		
	24.8.1 : 4 way with MCCB	Each	6499.00
	24.8.2 : 8 way with MCCB	Each	7212.00
24	SOR Item No- 24.9on page -24 :Supplying & fixing of approved make Industrial type metal plug & socket DBs (without MCB) SPN sheet encloser (dust protected) inclusive of 2 pole and earth metal plug and socket and space to incorporate SP MCB complete as per specification as required.		
	24.9.2 : 20 Amps	Each	568.00
25	SOR Item No- 25.2 on page -25 :Fixing of metal clad enclosure on 25X 25 X 5 mm angle iron clamps including supplying and fixing of clamps as required duly embedded in masonary including cable connection and other required material as per specification :-		
	25.2.1 : Fixing of 63 Amps TP or TPN main switches/ DB 63 Amps. 240/415 Volt 4 to 8 way or 63 Amps change over switch /63 Amps 415 Volt Isolator /30 Amps 415V TPN DB upto 6 way per pole and busbar 4 way	Each	79.00
	25.2.2 : Fixing of 100 Amps TP or TPN main switch or 100 Amps change over switch /100 Amps 415 Volt Isolators and busbar 4 way	Each	100.00
	25.2.3 : Fixing of 200 Amps TP or TPN main switch or 200 Amps change over switch /200 Amps 415 Volt Isolators and busbar 4 way	Each	125.00
26	SOR Item No- 25.4 on page -25 :Fixing of MCB /MCCB/ Isolator		
	SOR item No 25.4.1on page -25 : Fixing of **MCB / Isolator SP/DP** in sheet steel enclosure as required as per accepted practice, including mounting on busbar and cable connection etc. complete (Labour only)	Each	2.00

	SOR Item No 25.4.2 on page 25 : Fixing of **MCB /MCCB Isolator TP /TPN/FP** in sheet steel enclosure as required as per accepted practice, including mounting on busbar and cable connection etc. complete.	Each	5.00
27	SOR Item No- 25.6 on page -26 :Labour charges for fixing sheet steel enclosures, MCB DB surface mounting type,as per accepted practice on 25x25x 5 mm angle iron clamp,including supplying and fixing of clamps duly embedded in wall,cable connection etc. complete :-		
	FOR S.No :-		
	25.6.1 : 24.5.6 &24.5.7;24.6.5 to 24.6.7;24.7.2&24.7.3 & 24.8.1 to 24.8.3	Each	79.00
28	SOR Item No- 25.7 on page -26 :Labour charges for fixing sheet steel enclosures, MCB DB flush mounting type, as per accepted practice, duly embedded and end plate completely flushed in wall, cable connection etc.complete :-		
	FOR S.No :-		
	25.7.1 : 24.5.1 to 24.5.5;24.6.1 to24.6.5 &24.7.1,	Each	49.00
	25.7.2 : 24.5.6 & 24.5.7;24.6.6 to 24.6.7;24.7.2 to 24.7.3 & 24.8.1 to 24.8.3	Each	65.00
29	SOR Item No- 26.4 on page -27 :Supplying and fixing as per specification Call bell / buzzer of approved make with necessary materials complete.		
	26.4.1 : Buzzer	Each	48.00
	26.4.2 : Ding Dong bell	Each	90.00
	26.4.3 : Musical bell	Each	214.00
	26.4.4 : Remote/cordless bell	Each	450.00
30	SOR Item No- 26.6 on page -27 :Supplying and fixing of multi core round HRFR / FR PVC insulated copper (flexible) conductor & PVC sheathed cables 1100 Volts as per IS:694-1990 of approved make		
	26.6.1 : (23/.0076) Three core	Metre	13.00
	26.6.2 : (40/.0076) Three core	Metre	25.00
31	SOR Item No- 26.9 on page -28 :Supplying and fixing of approved make 3 pin plug top ISI marked		
	26.9.1 : 6 Amp 250 Volt 3 Pin	Each	47.00
	26.9.2 : 16 Amp 250 Volt Pin	Each	59.00
32	SOR Item No- 26.10 on page -28 :Supplying and fixing as per specification Ball Socket of approved make with necessary material complete.	Each	24.00
33	SOR Item No- 26.11 on page -28 :Supplying and fixing as per specification Caution / Danger Board as required of approved make & design with necessary material complete.		
	26.11.1 : Small Size	Each	80.00
	26.11.2 : Large Size	Each	160.00
34	SOR Item No- 26.12 on page -28 :Supplying and fixing as per specification bakelite Ceiling rose 3 Plate of approved make ISI marked with necessary material complete.	Each	21.00
35	SOR Item No- 26.13 on page -28 :Supplying and fixing as per specification **Switch** of approved make ISI marked with necessary material complete.		
	26.13.1 : 6 Amp S.P. porcelain Base 250 Volt	Each	45.00
	26.13.2 : 16 Amp S.P. porcalane Base 250 Volt	Each	67.00
	26.13.3 : 6 Amp Flush type	Each	13.00
	26.13.4 : 16 Amp Flush type	Each	37.00
	26.13.5 : 6 Amp S.P. 250 Volt two way Flush type	Each	20.00
	26.13.6 : 10 Amps S.P.250 Volt Modular Switch	Each	81.00
	26.13.7 : 20 Amps S.P.250 Volt Modular Switch	Each	130.00
	26.13.8 : 10 Amps S.P.250 Volt Modular Switch 2 way	Each	94.00
36	SOR Item No- 26.18 on page -29 :Supplying,Fixing and Testing of Flourescent Tube rod ISI marked of approved make as required as per specification		
	26.18.1 : 4' X 40 Watt	Each	45.00
37	SOR Item No- 26.20 on page -29 :Supplying,Fixing and Testing of SV lamp SON-T (tubular clear type) ISI marked of approved make as required as per specification		
	26.20.3 : 250 Watt	Each	580.00
38	SOR Item No- 26.23on page -30 :Supplying,Fixing and Testing of Compact Flourescent Lamp (CFL) with inbuilt electronic ballast ISI marked of approved make as required as per specification		
	26.23.1 : 5 Watt	Each	112.00
	26.23.2 : 8 Watt	Each	125.00
	26.23.3 : 11 Watt	Each	135.00
	26.23.4 : 15 Watt	Each	145.00

	26.23.5 : 18 Watt	Each	170.00
	26.23.6 : 20 Watt	Each	225.00
	26.23.7 : 23 Watt	Each	200.00
	26.23.8 : 26 Watt	Each	250.00
	26.23.9 : 45 Watt	Each	650.00
	26.23.10 : 65 Watt	Each	750.00
	26.23.11 : 85 Watt	Each	800.00
39	SOR Item No- 26.25 on page -30 :Supplying,Fixing and Testing of Ball Bearing of approved make as required as per specification		
	26.25.1 : 6201	Each	69.00
	26.25.2 : 6202	Each	73.00
	26.25.3 : 6203	Each	90.00
	26.25.4 : 6204	Each	133.00
40	SOR Item No- 26.29 on page -30 :Suppling and fixing of approved make step type electronic Fan regulator including connection etc. as required on existing board		
	26.29.1 : 450 Watt	Each	189.00
41	SOR Item No- 26.31 on page -30 :Suppling and fixing of approved make step type Modular electronic, Fan regulator including connection etc. as required on existing board		
	26.31.1 : 450 Watt	Each	249.00
	26.31.2 : 650 Watt	Each	372.00
42	SOR Item No- 26.32 on page -31:Supplying, erection and testing of approved make electric Ceiling fan of double ball bearing complete with standard down rod, canopy, hanging shackle, Aluminium blades, without regulator, A.C. 230-250 volts including connections with all necessary material complete as required confirming to IS :374/1979 with upto date ammendments.		
	26.32.1 : Ceiling Fan (Energy Saver 50 W)-1200 mm Sweep	Each	1440.00
	26.32.2 : Ceiling Fan (Energy Saver 60 W)-1400 mm Sweep	Each	1535.00
43	SOR Item No- 26.33 on page -31 :Supplying, erection and testing of approved make Wall Mounting fan complete with Wall Bracket ,canopy, blades, speed Regulator etc .A.C 230-250 volts with connections and including raw bolt/Anchor hole fastener etc. complete finished and as required.		
	26.33.1 : 300 sweep	Each	1728.00
	26.33.2 : 400 sweep	Each	1880.00
44	SOR Item No- 26.34 on page -31 :Supplying, erection and testing of approved make Cabin fan oscillating type with base, blades, guard, speed regulator etc. AC 230-250 volts with connections and including raw bolt/Anchor hole fastener etc. complete finished and as required.		
	26.34.1 : 300 sweep	Each	1754.00
	26.34.2 : 400 sweep	Each	1875.00
45	SOR Item No- 26.35 on page -31 :Supplying, erection and testing of approved make 'Fresh Air Fan' AC 230-250 volts with connection and including frame bolt/Anchor hole fasteners etc. compelte finished and as required.		
	26.35.1 : 225mm sweep	Each	900.00
	26.35.2 : 300mm sweep	Each	1100.00
46	SOR Item No- 26.36 on page -31 :Supplying, erecting and testing of approved make Exhaust Fan heavy duty with mounting frame, blades AC 230-250 complete connection and including, frame bolt/ Anchor hole fastners etc. complete finished and as required.		
	26.36.1 : 300mm sweep 900 RPM	Each	2481.00
	26.36.2 : 380mm sweep 900 RPM	Each	2988.00
	26.36.3 : 450mm sweep 900 RPM	Each	3649.00
47	SOR Item No- 26.37 on page -31 :Supplying and testing of approved make Pedestal fan A.C. 230-250 volts with blades speed regulator 'pedestal etc duly wired with all necessary material complete as required		
	26.37.1 : 400 mm Sweep	Each	2063.00
	26.37.2 : 450 mm Sweep	Each	2116.00
	26.37.3 : 500 mm Sweep	Each	2620.00
48	SOR Item No- 26.38 on page -32 :Supplying, fixing and testing of approved make fluorescent tube fitting, rust resistant, stove enamelled paint, box type channel with cover, complete with electronic ballast (HF) complete duly wired (without tube rod) as per specification & fixing as below:		
	26.38.1 : a) 1x36/40 watt		

	26.38.1.1 : I) Fixing on wall/Ceiling on wooden round block with 'J' hook / Anchor hole fastners/hollow bow with rod fixed in Ceiling and other necessary materials including connections etc. and as required.	Each	840.00
	26.38.1.2 : II) Fixing by stiff pendant arrangement with two pieces of steel conduit 19/20 dia 16 SWG and other necessary materials such as ball socket, wooden round block with 'J' hook/Anchor hole fasteners fixed in Ceiling including connection and as required for length upto 1.5 Meter	Each	925.00
49	SOR Item No- 26.41 on page -32 :Supplying, fixing and testing of approved make surface mounting mirror optics luminaires for single/twin 36/40 watt fluorescent lamp comprising of white powder coated CRCA sheet steel housing raw silk / navy brown / white colour M.S. low profile flat housing complete with all accessories i.e. electronic ballast (HF) duly wired (without tube rod) and high purity anodised aluminium reflector assmebly along with cross louvers as per specification and fixing as below.		
	26.41.1 : Fixing on wall/Ceiling on wooden round block with 'J' hook/Anchor hole fastener fixed in Ceiling and other necessary materials including connectons etc. and as requried.		
	26.41.1.1 : 1x36/40w	Each	1820.00
	26.41.1.2 : 2x40w	Each	2850.00
50	SOR Item No- 26.47 on page -34 :Supplying, fixing & testing of approved make H.D. Sodium vapour fitting consisting of matallic cast aluminium alloy housing highly polished anodised aluminium reflector clear acrylic cover, gasket and equipped with accessories; such as ballast, condensor, ignitor, skirted ceramic lamp holder (without lamp) suitable for end mounting duly wired, including fixing with 32/38 mm dia G.I. pipe medium class of required length upto 2 Meter for mounting on wall/exisiting pole/on existing D bracket including bending the pipe to required shape and connections including all materials as requried.		
	26.47.3 : 250 watt	Each	3600.00
51	SOR Item No- 26.54 on page -36 :Supplying, fixing & testing of approved make of low watt recessed mounting luminaire made of CRCA sheet steel housing with false Ceiling lips finished in stove enamelled white inside/outside fitted with high purity anodised aluminium mirror reflector and complete with control gear, including fixing with recessed mounting arragement with necessary materials connection etc. complete as required and suitable for single/twin 9 & 11 watt CFL (without lamp)		
	26.54.1 : 2 nos. 11 watt CFL (295 mm X 595 mm) aluminium mirror reflector	Each	1165.00
	26.54.2 : 2 nos. 36 watt CFL (295 mm X 595 mm) aluminium darklight reflector	Each	2440.00
	26.54.3 : 2 no. 36 watt CFL (295 mm X 595 mm) aluminium mirror reflector	Each	2270.00
	26.54.4 : 3 Nos 36 watt CFL (595 mm X 595 mm) aluminium mirror reflector	Each	3130.00
52	SOR Item No- 27.12 on page -38 :Numbering of ceiling fans or fittings with approved paint including all labour material etc. complete as required :-		
	27.12.1 : Lettering up to 7 cm height	Each	1.00
	27.12.2 : Lettering above 7 cm but up to 15 cm height	Each	2.00
53	SOR Item No- 27.18 on page -39 :Rewinding of fans by copper enamelled wire of suitable gauge including all required material, insulation, varnishing,connection leads,oiling .greasing etc complete with testing including dismentalling & refitting of fan at site.Scrap old material is not returnable to the department.		
	27.18.1 : Ceiling Fan 1400 mm sweep old model /Exhaust Fan 450 mm sweep	Each	361.00
	27.18.2 : Ceiling Fan 1400 mm sweep new model / Exhaust Fan 380 mm sweep	Each	331.00
	27.18.3 : Ceiling Fan 1200 mm sweep old model	Each	283.00
	27.18.4 : Ceiling Fan 1200 mm sweep new model / Exhaust Fan 300 mm sweep	Each	252.00
	27.18.5 : Fresh Air Fan up to 300 mm sweep / Wall Bracket /Cabin Fan 400 mm sweep	Each	155.00
54	SOR Item No- 32.3 on page -44 :Earthing with G.I. Earth plate 600mm X 600mm X 6mm thick including accessories and providing masonary encloser in cement mortor, cover plate having locking arrangment on the top and G.I. watering pipe 20mm dia 2.7 Metre long etc. (but without charcoal or coke and salt) complete as required.	Each	2200.00
55	SOR Item No- 32.4 on page -44 :Earthing with Copper Earth plate 600mm X 600mm X 3mm thick including accessories and providing masonary encloser in cement mortor, cover plate having locking arrangment on the top and G.I. watering pipe 20mm dia 2.7 Metre long etc. (but without charcoal or coke and salt) complete as required.	Each	6817.00
56	SOR Item No- 32.5 on page -44 :Add Extra for using salt and charcoal / coke for G.I. Plate or Copper plate earth electrode as required including excavation & refilling.	Each	472.00
57	SOR Item No- 32.6 on page -44 :Supplying and laying 8 SWG copper wire at 0.5 Metre below ground level as conductor earth electrode including soldering etc. as required.	metre	74.00

58	SOR Item No-32.7 on page -44 :Supplying and laying 6 SWG G.I. wire at 0.5 Metre below ground level as conductor earth electrode including soldering etc. as required.	metre	13.00
59	SOR Item No- 32.8 on page -44 :Supplying and laying 25mm X 5mm G.I. strip at 0.5 Metre below ground level as strip earth electrode including soldering etc. as required.	metre	58.00
60	SOR Item No- 32.9 on page -44 :Supplying and laying 25mm X 6mm G.I. strip at 0.5 Metre below ground level as strip earth electrode including soldering etc. as required.	metre	69.00
61	SOR Item No- 32.10 on page -44 :Providing & fixing 25mm X 5mm copper strip in 40mm dia G.I.pipe from earth electrode as required.	metre	884.00
62	SOR Item No- 32.11 on page -44 :Providing & fixing 25mm X 5mm G.I.strip in40mm dia G.I. Pipe(B class) from earth electrode as required.	metre	257.00
63	SOR Item No- 32.12 on page -44 :Providing and laying earth connections from earth electrode with 4.00 mm dia G.I. wire in 15mm dia G.I. Pipe(B class) from earth electrode as required.	metre	86.00
64	SOR Item No- 32.13 on page -44 :Providing and laying earth connections from earth electrode with 4.00 mm dia copper wire in 15mm dia G.I. Pipe(B class) from earth electrode as required.	metre	141.00
65	SOR Item No- 32.14 on page -44 :Providing & fixing 25mm X 5mm copper strip on surface or recessed for connection etc. as required.	metre	737.00
66	SOR Item No- 32.15 on page -45 :Providing and fixing 25mm X 4mm G.I. strip on surface or in recessed/concealed for connection etc. as required.	metre	77.00
67	SOR Item No- 32.16 on page -45 :Providing and fixing 4.00mm G.I. wire on surface or in recessed/concealed for loop earthing as required.	metre	18.00
68	SOR Item No- 32.17 on page -45 :Providing and fixing 4.00mm copper wire on surface or in recessed/concealed for loop earthing as required.	metre	82.00
69	SOR Item No- 32.18 on page -45 :Supplying and drawing 4.00 sq.mm.Aluminium conductor wire for loop earthing in the existing surface/ recessed/concealed conduit along other wires as required.	metre	24.00
70	SOR Item No- 32.34 on page -46 :Providing and fixing earthing arrangement with 16mm dia 2.5 Metre long galvanized iron or steel rod electrode including packing of charcoal powder and salt as per specification watering pipe 19mm dia G.I. Connection etc. complete with refilling the pit as required, but excluding the excavation of earth pit.	Each	576.00
71	SOR Item No- 32.35 on page -46 :Providing and fixing earthing arrangement with 38.1mm dia 2.5 Metre long galvanized iron pipe electrode including packing of charcoal powder and salt as per specification watering pipe 19mm dia G.I. Connection etc. complete with refilling the pit as required, but excluding the excavation of earth pit.	Each	764.00
72	SOR Item No-33.1 on page -48 :Supply of XLPE Insulated power cable (conforming IS-7098) 1100 Volt grade/Heavy duty power cable conforming to IS 1554-1100 Volts grade , 2 core /3½ core/4 coreISI MARKED with Alu. Stranded /solid conductor		
	33.1.1 : UNARMOURED 2 Core		
	33.1.1.3 : 6 Sq.mm.(XLPE)	Metre	54.00
	33.1.1.4 : 10 Sq.mm.(XLPE)	Metre	70.00
	33.1.1.5 : 16 Sq.mm.(XLPE)	Metre	94.00
	33.1.2 : ARMOURED 2 Core		
	33.1.2.3 : 6 Sq.mm.(XLPE)	Metre	95.00
	33.1.2.4 : 10 Sq.mm.(XLPE)	Metre	123.00
	33.1.2.5 : 16 Sq.mm.(XLPE)	Metre	138.00
	33.1.3 : UNARMOURED 3 Core		
	33.1.3.1 : 6 Sq.mm.(XLPE)	Metre	67.00
	33.1.3.2 : 10 Sq.mm.(XLPE)	Metre	87.00
	33.1.3.3 : 16 Sq.mm.(XLPE)	Metre	122.00
	33.1.4 : ARMOURED 3 Core		
	33.1.4.1 : 6 Sq.mm.(XLPE)	Metre	114.00
	33.1.4.2 : 10 Sq.mm.(XLPE)	Metre	142.00
	33.1.4.3 : 16 Sq.mm.(XLPE)	Metre	160.00
	33.1.5 : UNARMOURED 3½ CORE		
	33.1.5.1 : 25 Sq.mm(XLPE)	Metre	179.00
	33.1.5.2 : 35 Sq.mm(XLPE)	Metre	216.00
	33.1.5.3 : 50 Sq.mm(XLPE)	Metre	288.00
	33.1.5.4 : 70 Sq.mm(XLPE)	Metre	390.00
	33.1.5.5 : 95 Sq.mm.(XLPE)	Metre	522.00

	33.1.5.6 : 120 Sq.mm.(XLPE)	Metre	650.00
	33.1.5.7 : 150 Sq.mm.(XLPE)	Metre	772.00
	33.1.5.8 : 185 Sq.mm.(XLPE)	Metre	982.00
	33.1.5.9 : 240 Sq.mm.(XLPE)	Metre	1273.00
	33.1.5.10 : 300 Sq.mm.(XLPE)	Metre	1574.00
	33.1.5.11 : 400 Sq.mm.(XLPE)	Metre	1990.00
	33.1.6 : ARMOURED 3½ CORE		
	33.1.6.1 : 25 Sq.mm(XLPE)	Metre	232.00
	33.1.6.2 : 35 Sq.mm(XLPE)	Metre	273.00
	33.1.6.3 : 50 Sq.mm(XLPE)	Metre	360.00
	33.1.6.4 : 70 Sq.mm(XLPE)	Metre	465.00
	33.1.6.5 : 95 Sq.mm.(XLPE)	Metre	609.00
	33.1.6.6 : 120 Sq.mm.(XLPE)	Metre	749.00
	33.1.6.7 : 150 Sq.mm.(XLPE)	Metre	886.00
	33.1.6.8 : 185 Sq.mm.(XLPE)	Metre	1103.00
	33.1.6.9 : 240 Sq.mm.(XLPE)	Metre	1407.00
	33.1.6.10 : 300 Sq.mm.(XLPE)	Metre	1720.00
	33.1.6.11 : 400 Sq.mm.(XLPE)	Metre	2182.00
	33.1.7 : UNARMOURED 4 CORE		
	33.1.7.1 : 6 Sq.mm.(XLPE)	Metre	80.00
	33.1.7.2 : 10 Sq.mm.(XLPE)	Metre	103.00
	33.1.7.3 : 16 Sq.mm.(XLPE)	Metre	149.00
	33.1.7.4 : 25 Sq.mm(XLPE)	Metre	193.00
	33.1.7.5 : 35 Sq.mm(XLPE)	Metre	243.00
	33.1.7.6 : 50 Sq.mm(XLPE)	Metre	326.00
	33.1.7.7 : 70 Sq.mm(XLPE)	Metre	439.00
	33.1.7.8 : 95 Sq.mm.(XLPE)	Metre	598.00
	33.1.7.9 : 120 Sq.mm.(XLPE)	Metre	731.00
	33.1.7.10 : 150 Sq.mm.(XLPE)	Metre	896.00
	33.1.8 : ARMOURED 4 CORE		
	33.1.8.1 : 6 Sq.mm.(XLPE)	Metre	136.00
	33.1.8.2 : 10 Sq.mm.(XLPE)	Metre	146.00
	33.1.8.3 : 16 Sq.mm.(XLPE)	Metre	188.00
	33.1.8.4 : 25 Sq.mm(XLPE)	Metre	245.00
	33.1.8.5 : 35 Sq.mm(XLPE)	Metre	291.00
	33.1.8.6 : 50 Sq.mm(XLPE)	Metre	394.00
	33.1.8.7 : 70 Sq.mm(XLPE)	Metre	513.00
	33.1.8.8 : 95 Sq.mm.(XLPE)	Metre	681.00
	33.1.8.9 : 120 Sq.mm.(XLPE)	Metre	826.00
	33.1.8.10 : 150 Sq.mm.(XLPE)	Metre	994.00
	SOR Item No- 33.8 on page -53 :LUGS:-		
73	SOR Item No- 5 on page -5 :Supplying and fixing cramping type Alum. lugs as per I.S.S. Specification suitable for following size of cable with Alu. /Copper solid/stranded conductor evently cramped with high/pressure tool and connected to switch gear/Bus/M.C.C.B./ M.C.B. etc. as required complete.For Conductor Size-		
	33.8.1 : 6mm to 16 Sq.mm	Each	4.00
	33.8.2 : 25 Sq.mm	Each	5.00
	33.8.3 : 35 Sq.mm	Each	7.00
	33.8.4 : 50 Sq.mm	Each	11.00
	33.8.5 : 70 Sq.mm	Each	17.00
	33.8.6 : 95 Sq.mm.	Each	18.00
	33.8.7 : 120 Sq.mm.	Each	26.00
	33.8.8 : 150 Sq.mm.	Each	34.00
74	SOR Item No- 33.13 on page -55 :CABLE LAYING		
	SOR Item No- 33.13.1 on page -55 :Laying of one number PVC insluated and PVC sheated power cable of 1.1kV grade of size not exceeding 25 Sq.mm direct in ground including excavation, sand cushioining, protective covering and refilling the pit etc. as required.	Metre	102.00
	SOR Item No- 33.13.2 on page -55 :Laying of one number PVC insluated power cable of 1.1.kV grade of size exceeding 25Sq.mm but not exceeding 120 Sq.mm direct in ground including excavation, sand cushioing, protective covering and refilling the pit etc. as required.	Metre	106.00

	SOR Item No- 33.13.3 on page -55 :Laying of one number PVC Insulated and PVC sheathed power cable of 1.1.kV grade of size exceeding 120 Sq mm but not exceeding 400 Sq.mm direct in ground including excavation and cushioning protective covering and refilling the pit etc. as required.	Metre	109.00
	SOR Item No- 33.13.4 on page -55 :Laying of one number additional PVC insulated PVC sheathed power cable of 1.1kV grade of size not exceeding 25Sq.mm direct in ground in the same trench in one tier horizontal formation including excavation sand cushioing protective covering and refilling the pit etc. as required.	Metre	65.00
	SOR Item No- 33.13.5 on page -55 :Laying of one number additional PVC insulated and PVC sheathed power cable of 1.1kV grade of size exceeding 25 Sq.mm but not exceeding 120 Sq.mm direct in ground in the same trench in one tier horizotal formation including excavation, send cushioing, protective covering and refilling the pit etc. as required.	Metre	67.00
	SOR Item No- 33.13.6 on page -55 :Laying of one number additional PVC insulated and PVC sheathed power cable of 1.1kV grade of size exceeding 120 Sq mm but not exceeding 400 Sq mm direct in ground in the same trench in one tier horizotal formation including excavation, send cushioing, protective covering and refilling the pit etc. as required.	Metre	68.00
	SOR Item No- 33.13.7 on page -55 :Laying of one number PVC insulated and PVC sheathed power cable of 1:1 kV grade of size not exceeding 25 Sq.mm in the existing RCC Hume/Stone/Ware/G.I. pipe as required.	Metre	10.00
	SOR Item No- 33.13.8 on page -55 :Laying of one number PVC insulated and PVC sheathed power cable of 1.1 kV grade of size exceeding 25 Sq.mm but not exceeding 400 Sq mm in the existing RCC/Hume Stoneware/G.I. Pipe as required.	Metre	13.00
	SOR Item No- 33.13.9 on page -55 :Laying of one number PVC insulated and PVC sheathed power cable of 1.1 kV grade of size not exceeding 25 Sq.mm in th existing masonary open duct as required.	Metre	8.00
	SOR Item No- 33.13.10 on page -55 :Laying of one number PVC insulated and PVC sheathed power cable of 1.1kV grade of size exceeding 25Sq.mm but not exceeding 400 Sq.mm in the existing masonary open duct as required.	Metre	10.00
	SOR Item No- 33.13.11 on page -56 :Laying of one number PILC/PVC insulated and PVC sheathed power cable of grade exceeding 1.1kV but not exceeding 11kV of size not exceeding 120 Sq.mm direct in ground including excavation sand cushioning, protective covering and refilling the trench etc. as required.	Metre	122.00
	SOR Item No- 33.13.12 on page -56 :Laying of one number PILC/PVC insulated and PVC sheathed power cable of grade exceeding 11kV of size exceeding 120 Sq.mm but not exceeding 400 Sq.mm direct in ground including excavation sand cushioning, protective covering and refilling the trench etc. as required	Metre	125.00
	SOR Item No- 33.13.13 on page -56 :Laying of one number additional PILC/PVC insulated and PVC sheathed power cable of grade exceeding 1.1kV but not exceeding 11kV of size not exceeding 120 Sq.mm direct in ground in the same trench in one tier horizontal formation including excavation, sand cusioning, protective covering and refilling the trench as required.	Metre	76.00
	SOR Item No- 33.13.14 on page -56 :Laying of one number additional PILC/PVC insulated and PVC sheathed power cable of grade exceeding 1.1kV but not exceeding 11kV of size exceeding 120 Sq.mm but not exceeding 400 Sq.mm. direct in ground in the same trench in one tier horizontal formation including excavation, sand cushioning, protective covering and refilling the trench etc. as requied.	Metre	78.00
	SOR Item No-33.13.15 on page -56 :Laying of one number PILC/PVC insulated and PVC sheathed power cable of grade exceeding 1.1kV but not exceeding 11kV of size not exceeding 400 Sq.mm in the existing RCC / Hume / Stoneware / G.I. Pipe as required.	Metre	19.00
	SOR Item No- 33.13.16 on page -56 :Laying of one number PILC/PVC insulated and PVC sheathed power cable of grade exceeding 1.1kV but not exceeding 11kV of size not exceeding 400 Sq.mm. in the existing masonary open duct as requied.	Metre	15.00
	SOR Item No- 33.13.17 on page -56 :Laying and fixing of one number PVC insulated and PVC sheathed aluminium conductor cable of 1.1kV grade of size not exceeding 25 Sq.mm on surface etc. as required.	Metre	38.00
	SOR Item No- 33.13.18 on page -56 :Laying and fixing of one number PVC insulated and PVC sheathed aluminium conductor cable of 1.1kV grade of size exceeding 25 Sq.mm but not exceeding 120 Sq.mm on surface etc. as required.	Metre	56.00
	SOR Item No- 33.13.19 on page -56 :Laying and fixing of one number PVC insulated and PVC sheathed aluminium conductor cable of 1.1kV grade of size exceeding 120 Sq.mm but not exceeding 300 Sq.mm on surface etc. as required.	Metre	80.00

	SOR Item No- 33.13.20 on page -56 :Excavation of the trenches in Hard Rock not exceeding 1.5 metre in width and lift upto 1.5 metre including getting out the excavated soil and disposal of surplus excavated soil as directed within the lead of 50 metre (without blasting)	Cu. Mtr.	262.00
	SOR Item No- 33.13.21 on page -56 :Laying of underground cable armoured./ unarmoured as per specification in air with approved type of iron clamps complete.		
	33.13.21.1 : 2 / 3 / 4 Core cable upto 16 Sq.mm	Metre	18.00
	33.13.21.2 : 3 / 3½ / 4 Core cable 25 Sq.mm to 120 Sq.mm	Metre	26.00
	33.13.21.3 : 3 / 3½ / 4 Core cable 150 Sq.mm and above	Metre	34.00
	SOR Item No- 33.14 on page -57 :Laying of cement concrete or approved type of cable cover/flag stone over L.T. cover trench as per specification.	Metre	19.00
75	SOR Item No- 34.1 on page -58 :Supply of support for overhead line Rail pole of I.S. standard including welding, drilling of required hole etc. complete as required.		
	34.1.1 : Rail pole standard weight 52 kg per metre	Metre	1850.00
	34.1.2 : Rail pole std. weight 26 kg per metre	Metre	925.00
	34.1.3 : Rail pole std. weight 21 kg per metre	Metre	747.00
76	SOR Item No- 34.2 on page -58 :Supply of support for overhead line RS joist / H-beam of I.S. standard including welding, drilling of required hole etc. complete as required.		
	34.2.1 : R.S. Joist 100x200-25.4 kg per metre	Metre	924.00
	34.2.2 : R.S. Joist 175 x 90 - 19.3 kg per metre	Metre	702.00
	34.2.3 : R.S. Joist 150 x 100 - 17 kg per metre	Metre	619.00
	34.2.4 : R.S. Joist 150 x 80 - 14.9 kg per metre	Metre	542.00
	34.2.5 : R.S. Joist 125 x 75 - 13 kg per metre	Metre	473.00
	34.2.6 : H-Beam 152x152mm , Std weight 37.1 kg per metre	Metre	1374.00
77	SOR Item No- 34.3 on page -58 :Supply of steel tubular pole swaged type as per IS:2713-1980 Complete with baseplate and top Canopy		
	34.3.1 : 410 SP-2 - 7.00 metre	Each	5391.00
	34.3.2 : 410 SP-5 - 7.50 metre	Each	5776.00
	34.3.3 : 410 SP-8 - 7.50 metre	Each	7316.00
	34.3.4 : 410 SP-11 - 8.00 metre	Each	6033.00
	34.3.5 : 410 SP-14 - 8.00 metre	Each	7830.00
	34.3.6 : 410 SP-17 - 8.50 metre	Each	6418.00
	34.3.7 : 410 SP-20 - 8.50 metre	Each	8086.00
	34.3.8 : 410 SP-23 - 8.50 metre	Each	10204.00
	34.3.9 : 410 SP-26 - 9.00 metre	Each	6610.00
	34.3.10 : 410 SP-29 - 9.00 metre	Each	8728.00
	34.3.11 : 410 SP-32 - 9.00 metre	Each	10589.00
	34.3.12 : 410 SP-35 - 9.50 metre	Each	8985.00
	34.3.13 : 410 SP-38 - 9.50 metre	Each	10975.00
78	SOR Item No- 34.4 on page -59 :Supplying of prestressed cement concrete (PCC) pole conforming to IS 785 at work site including required transportation.		
	34.4.1 : PCC pole 8 mtrs. Long 140 kg	Each	1134.00
	34.4.2 : PCC pole 9.1 mtrs. Long 272 kg	Each	2184.00
79	SOR Item No- 34.5 on page -59 :Supplying and drawing All Aluminium Alloy conductor (AAAC) of approved make confirming to IS 398-1979 Pt. IV, including binding at existing insulator, jointing, jumpering, tearing off, connecting etc. as required including clearing of obstacles (if any)		
	34.5.1 : 0.03 sq.inch / 20 sq.mm Alloy Aluminium Conductor	Km.	20516.00
	34.5.2 : 0.04 sq.inch / 25 sq.mm Alloy Aluminium Conductor	Km.	33957.00
	34.5.3 : 0.05 sq.inch / 30 sq.mm Alloy Aluminium Conductor	Km.	34193.00
	34.5.4 : 0.075 sq.inch / 48 sq.mm Alloy Aluminium Conductor	Km.	50700.00
80	SOR Item No- 34.6 on page -59 :Supplying and drawing of stranded Aluminium Conductor Steel Reinforced (ACSR) confirming to IS:398-1976 of approved make, stringing, making off complete with binding at existing insulator, jointing, jumpering, tearing off, connecting etc. as required and clearing of obstacles (if any) etc.		
81	SOR Item No- 34.6.1on page -59 :ACSR 6/1 - 2.11mm dia (Squirrel) with equivalent copper area 13Sq.mm (or 0.02Sq.inch) & calculated Alu. Area 20.71 Sq.mm.	Km.	15182.00
82	SOR Item No- 34.6.2 on page -59 :ACSR 6/1 - 2.36mm dia (Gopher) with equivalent copper area 16Sq.mm or 0.025 inches and calculated aluminium area 25.91 Sq.mm.	Km.	18712.00
83	SOR Item No-34.6.3 on page -59 :ACSR 6/1 - 2.59mm dia (Weasel)with equivalent copper area 20.00 Sq.mm (0.03 sq inch) with calculated aluminium area 31.21 Sq.mm	Km.	22596.00

84	SOR Item No- 34.6.4 on page -59 :ACSR 6/1 - 3.00mm dia (Ferret) with equivalent copper area 25Sqmm (0.04 sq inch) calculated aluminium area 41.87 Sq.mm.	Km.	30187.00
85	SOR Item No- 34.6.5 on page -59 :ACSR 6/1 - 3.35mm dia (Rabbbit) with equivalent copper area 30Sqmm (0.05 sq inch) calculated aluminium area 52.21Sq.mm.	Km.	39189.00
86	SOR Item No- 34.6.6 on page -59 :ACSR 6/1 - 3.66mm dia (Mink) with equivalent copper area 40 Sqmm (0.06 sq inch) calculated aluminium area 62.32 sq.mm.	Km.	46697.00
87	SOR Item No- 34.6.7 on page -59 :ACSR 6/1 - 3.99mm dia (Beaver)with equivalent copper area 45 Sqmm (0.07 sq inch) calculated aluminium area 74.07 Sq.mm	Km.	55487.00
88	SOR Item No- 34.6.8 on page -59 :ACSR 6/1 - 4.09mm dia (Raccoon) with equivalent copper area 48 Sqmm (0.075 sq inch) equivalent calculated Aluminium area 77.83 Sq.mm.	Km.	58234.00
89	SOR Item No- 34.7 on page -60 :Supplying and fixing guard insulator or split insulator complete:		
	34.7.1 : 25x25mm	Pair	21.00
	34.7.2 : 37x37mm	Pair	26.00
	34.7.3 : 50x50mm	Pair	33.00
90	SOR Item No- 34.9 on page -60 :Supplying and erection of guards for existing overhead lines as required including split insulator required as per specification:		
	34.9.1 : Cradle type	Each	25.00
	34.9.2 : Hexagonal type	Each	18.00
	34.9.3 : Ring type	Each	16.00
91	SOR Item No- 34.13 on page -61 :Erection of steel tubular or steel rail pole or H-Beam of length exceeding 8 metres but not exceeding 10 metres in cement concrete 1:3:6 (1 cement : 3 coarse sand: 6 graded stone aggregate 40mm nominal size) foundation, base padding & muffing including exacavation and refilling etc. as required.(4.55 bags of cement/cmt.)	Each	1106.00
92	SOR Item No- 34.14 on page -61 :Erection of steel tubular or steel rail pole or H-Beam of length exceeding 10 metres but not exceeding 13 metres in cement concrete 1:3:6 (1 cement :3 coarse sand: 6 graded stone aggregate 40mm nominal size) foundation , base padding & muffing including excavation and refilling etc. as required.(4.55 bags of cement/cmt.)	Each	1316.00
93	SOR Item No- 34.15 on page -61 :Erection of R.C.C./P.C.C. pole of length exceeding 8 metres but not exceeding 11 metres in brick ballast and ramming the foundation including excavation and refilling etc.as required.	Each	1045.00
94	SOR Item No- 5 on page -5 :Erection of R.C.C./P.C.C. pole of length exceeding 11 metres but not exceeding 13 metres in brick ballast and ramming the foundation including excavation and refilling etc. as required.	Each	1171.00
95	SOR Item No- 34.23 on page -62 :Supplying and erection of stay set complete (Galvanized) with 19mm.dia 1.8 metre long stay rod, ancher plate of size 300mm x 300mm x 6.4mm thimble stay clamps, bow tightener, 7/4.00 dia G.I. stay wire and strain insulator etc. in cement concrete 1:3:6 (1 Cement : 3 Coarse and : 6 granded stone aggregate 40mm nominal size) foundation including excavation and refilling etc. as required.	Each	1692.00
96	SOR Item No- 34.24 on page -62 :Supplying and erection of stay set complete (Galvanized) with 19mm.dia 1.8 metre long stay rod, ancher plate of size 300mm x 300 mm x 6.4mm thimble stay clamps,bow tightener, 7/3.15 dia G.I. stay wire and strain insulator etc. in cement concrete 1:3:6 (1 Cement : 3 Coarse and : 6 granded stone aggregate 40mm nominal size) foundation including excavation and refilling etc. as required.	Each	1549.00

Sub Engineer

Sub Divisional officer
PWD E/ M Sub Division Vidisha

Executive Engineer
PWD (E&M) Division-1
Bhopal

ANNEXURE-"G"

BANK, GUARANTEE BOND

(To be used by approved scheduled banks)

E.E.

1. In consideration of the Governor of Madhya Pradesh (hereinafter called the Government) having agreed to exempt ..... (hereinafter called lithe said contractors") from the demand under the terms and conditions of an Agreement dated ..... made between ..... and ..... For (hereinafter called the said Agreement) of earnest money deposit for the due fulfilment by the said contractor(s) of the terms and conditions contained in the said agreement on production of a Bank Guarantee for (Rupees ..... only)

   We ..... (hereinafter referred to as "The Bank") at the request of (indicate the name of the bank) ..... Contractor(s) do hereby undertake to pay to Government an amount not ex ceedingRs. ..... against any loss or damage caused to or suffered or would be caused to or suffered by the Government by the reason of an y breach by the said Contractor(s) of any terms or condition contained in the said Agreement.
2. We ..... do hereby undertake to pay the amounts due and payable under this guarantee without an y demur merely on a demand from the Government stating that amount claimed is due by way o f loss or damage caused to or suffered by the Government by reason of any breach by said contractor(s) of any of the terms or conditions contained in the said agreement or by reason of the contractor(s) failure to perform the said Agreement Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee, However our liability under this guarantee shall be restricted to' an amount not exceeding Rs.....
3. We ..... further agree with the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said agreement and that it shall continue to be enforceable till all the dues of Government und er or by virtue of said Agreement have been fully paid and its claims satisfied or till .....Department/Ministry of ..... certifies that the terms of the said agreement have been fully and properly carried out by the said Contractor(s) and accordingly discharges the guarantee. Unless a demand or claim under this guarantee is made on us in writing on or before the ..... we shall be discharged from an liability under this guarantee thereafter.
4. We ..... further agree with the Government that Government shall have the fullest liberty without our consent and without effecting in any manner our obligations hereunder or vary any of the terms and conditions pf the said Agreement or to extend time performance. by the said Contractors from time to time or to postpone for any time o r from time to time any of the powers exercisable by the Government against the said Contractor(s) and to forebear or unforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reasons of any such variation. of extension having granted to the said contractor(s) for an y forbearance, act or omission on the part of the Government or any indulgence b y the Government of the said Contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would but for this provision, have effect of so relieving us.
5. We ..... lastly undertake not to revoke this guarantee during its currency except with the previous consent of the Government in writing.
6. This guarantee will not be discharged due to the change in the change in the constitutions of the Bank or the Contractor(s) Supplier(s).
7. We undertake to pay the Government any money so demanded notwithstanding any dispute or disputes raised by the Contractor(s)/Supplier(s) in any suit or proceeding pending before any court or Tribunal relating there to our liability under this present being absolute and unequivocal.

   The payment so made by us under this bound shall be a valid discharge or our liability for payment there under and the contractor(s) Supplier(s) shall have no claim against us for making.

E.E.

Dated the ..... day of ..... 200.....

For ....

(indicate the name of Bank)