

Bharat Heavy Electrical Limited Bhopal



YOUR REF :
OUR REF :

NIT NO. EMT/792/2020-2021/HTLT/17

DATE: 14/09/2020

Sub: Maintenance of HT/LT Electrical network in BHEL Township, Bhopal.

1.0 Sealed Tender is invited for the work of “Maintenance of HT/LT Electrical network in BHEL Township, Bhopal ”

- | | |
|---------------------------------------|-------------------------------|
| 1.1 Last date of submission of tender | : 07/10/2020 up to 15:00 PM |
| 1.2 Tender opening date and time | : 07/10/2020 up to 16:00 PM |
| 1.3 Contract Period | : Twelve Months (12) from WO. |
| 1.4 Payment terms | : Running & Final bills. |
| 1.5 Penalty Clause | : Schedule- B |
| 1.6 Price Variation Clause | : Not Applicable |
| 1.7 Over Run Compensation | : Not Applicable |
| 1.8 Bonus Clause | : Not Applicable |

2.0 Pre-Qualification Criteria (PQC)

- i. **Technical PQC** :To assess the technical capability of the bidder,
- Bidder must have a valid “A “Class electrical license.
 - Bidder should have the experience of having successfully done similar work(s) against completed work/Running work order(s) during the last seven years ending last day of the month previous to the one in which tender shall be opened: -

Similar work(s) shall mean HT/LT Electrical Maintenance.

OR

Installation of 11KV or above Electrical system/Equipment.

OR

Testing & Commissioning or 11KV or above Electrical system/Equipment.

The bidder shall submit relevant documents such as copies of work order(s) and work completion/experience certificate (s) in support of his experience along with the technical bid.

- ii. **Financial PQC**:

- Average annual financial turnover during the last three years, ending 31st March, 2019 {i.e. 2016-17 (audited), 2017-18 (audited) & 2018-19 (audited) as applicable} shall be at least **Rs. 5.50 Lakh** (supporting documents shall be submitted by the tenderer in this regard).

- Experience of having successfully completed similar works during the last seven years ending last day of the month previous to the one in which tender shall be opened: -

Three similar completed works costing not less than the amount Rs **07.39 Lakh**
OR

Two similar completed works costing not less than the amount Rs **09.24 Lakh**
OR

One similar completed works costing not less than the amount Rs **14.78 Lakh**

Definition of “similar work “should be as per the above Technical PQC.

- iii. Bidder must possess PAN & GSTIN Registration No (as applicable). Copy of PAN card and GSTIN should be enclosed along with the offer.
- iv. PF & ESI Nos are a statutory requirement. It is, therefore, desirable that the tenderer submits them along with his techno-commercial bid. A tenderer may, however, be considered for qualification techno-commercially even if he is, already, not in possession of the same or if he does not submit them along with his techno-commercial bid.

Such a tenderer, on becoming successful and upon award of work, shall, however, be required to mandatorily submit PF & ESI registration numbers within 15 days or some such period as specified by the department (as the case may be) after the date of issuance of Letter of Intent (LOI) but before deployment of labour to commence the work failing which penal action as deemed fit shall be taken by the department against the tenderer. Such a tenderer shall, in this regard, give an undertaking in writing along with his techno-commercial bid that he would submit PF & ESI registration numbers subsequent to award of work through LOI as desired by the department.

In spite of the above said declaration/undertaking, if the tenderer does not, at all submit PF registration number and/or ESI registration number, penal action as deemed fit by the department shall be taken against such a default by the tenderer.

Note: -

- A. All the above mentioned criteria shall be met by the bidder himself and not by any associate bidder.
- B. The bidder is required to submit documentary evidence in support of each of the above qualifying criteria.

3.0 Bidders are advised to read and understand the tender document properly.

4.0 Scope of work and special conditions are given in Annexure-I Price Bid in Schedule-A ,Penalty in Schedule-B, General Terms & Conditions in Annexure-II and Instructions to Contractor for statutory compliance for Works Contract in Annexure III,IV, V, VI, VII & VIII and Specification of supply items in Annexure-IX,X,XI,XII,XIII & XIV and format for agreement –Annexure-XV& Related party undertaking Annexure-XVI

5. Cost of tender documents enclosed herewith is Rs. 200/- (Rupees Two Hundred only) excluding GST, which is non-refundable. Party shall pay applicable GST on tender fee along with tender fee

6. The tender must be accompanied by Earnest Money deposit of Rs 36950/-/(Thirty Six Thousand Nine hundred Fifty only).
7. Tenders received without remittance of earnest money are likely to be rejected
8. The EMD may be accepted only in the following forms:
 - (i) Cash deposit as permissible under the extent Income Tax Act (before tender opening)
 - (ii) Electronic Fund Transfer credited in BHEL account (before tender opening)
 - (iii) Banker's cheque/Pay order/Demand draft, in favour of BHEL (along with offer)
 - (iv) Fixed Deposit Receipt (FDR) issued by Scheduled Banks/ Public Financial Institutions as defined in the companies Act (FDR should be in the name of the Contractor, a/c BHEL)

In addition to above, the EMD amount in excess of Rs. Two Lakhs may also be accepted in the form of Bank Guarantee from scheduled bank. The Bank Guarantee in such cases shall be valid for at least six months.

9. EMD of successful tenderer will be treated as part of security money deposit.
10. Tenderer have to submit their offer in Two part bid (Part- I Technical Bid and Part- II Price Bid). All the documents of Part- I & Part II Bid should be duly sealed & signed and shall be kept in separately in two sealed envelopes and each envelope must be marked clearly as part- I Technical Bid or Part- II Price Bid as the case may be. Bidder shall also submit proof of EMD along with tender document. NIT Number and bidder's name & address should also be clearly mentioned on both envelopes. These two envelopes must be put together in a third/cover envelope and sealed properly.
11. In "part- 1 Technical Bid"- complete NIT documents with duly sealed and signed on every page, proof of EMD & Tender fees with data checklist duly filled shall be kept.
12. In "part- 2 Price Bid"- "Only price bids (Schedule –A)" shall be kept. Bidder shall also fill price bid (Schedule-A) as per given format and instruction and submit along with tender document.
13. In case any terms and conditions not acceptable, same should be clearly stated in the tender.
14. BHEL reserves the right to accept the offers in part or in full, cancel the Tender enquiry or short close the contract without assigning any reason..
15. BHEL may ask successful tenderer to deposit appropriate amount against issue of BHEL's resources.
16. Quoted price should be valid for a period of 90 days from the date of tender opening.
17. Contractor must fulfill all statutory requirements like minimum wages, additional wages, PF, ESI, Labour welfare fund, uniform, cloth, shoes, helmet & leave.
18. Tenderers are requested to submit their lowest offer subject to BHEL's terms and conditions for the above work, so as to put in the Tender box kept in **Tender Room at the Office of AGM (Electrical Maintenance Township), MRSS .Berkhera, BHEL, Bhopal Ph. no: - 2502691, 2503130.**
19. All tender papers duly filled in and signed by the tenderer must be returned with the tender, as proof of the acceptance of the conditions.

20. The total price shall be quoted clearly and shall also be written in words. In case of confusion on quoted price, price written in words will be considered final.
21. The Tenderers are required to quote for the complete scope of work with the lowest possible rate. The Tenderers quoting for part of the work or incomplete in any respect are likely to be rejected. L1 will be decided on totality basis.
22. BHEL reserves the right to accept or reject any of the bid / all bids with or without deviation or cancel / withdraw the invitation for bid without assigning any reason whatsoever and in such case Bidder shall have no claim arising out of such action by BHEL
23. If tie occurs between the two contractors due to same value of quoted price, both will be treated as L-1 and the work will be spitted equally between both the L-1 parties.
24. Bid should be free from correction, overwriting, using correction fluid, etc. Any interlineation, cutting, erasure or overwriting shall be valid only if they are attested under full signature of person signing the bid else bid shall be liable for rejection.
25. Contractor shall be obligated to commence/undertake all the planned works (communicated to him a day before) at time which is coterminous with General shift timings i.e. 8am.
26. So far as urgent /contingency works are concerned, Contractor shall be obligated to attend to such works within three hours after Engineer In-charge has communicated it to him.
27. Work order shall be placed to contractor after completion of all legal formalities like agreement of contract between BHEL & Contractor and deposit of security deposit.
- 28. In case of any conflict between the General Conditions of Contract and Special Conditions of Contract, provisions contained in the Special Conditions of Contract shall prevail.**
- 29. Terms of payment: The payment should be made to contractor against submission of running and final bill after successfully completion of work subject to TDS under Income tax shall be deducted as applicable from contractors bills.**
- 30. Bidder shall provide an under taking mentioning: “Services offered by me meets the local content requirement for Class-I “local supplier “with Local content equal to or more than 50%”.**
31. In case Contractor fails to deploy the resources as per requirement, BHEL can deploy own/hired/otherwise arranged resources at the risk and cost of the contractor and recover the expenses incurred from the dues payable to Contractor. Recoveries shall be actual expenses incurred plus 5% overheads.
32. Reverse Auction: - BHEL Shall be resorting to Reverse Auction (RA) Guidelines as available on www.bhel.com for this tender. Reverse Auction (RA) shall be conducted among all the techno commercially qualified bidders.

Thanking you.
Yours faithfully,
for BHEL, BHOPAL

(Sr. Engineer-EMT)

Encl:-

- 1) Data Check List

- 2) Scope of work & Special Conditions-Annexure-I
- 3) Price Bids - Schedules –A.
- 4) Penalty Clause-Schedule-B
- 5) General terms and conditions -Annexure-II
- 6) Instruction to Contractor For Statutory Compliance for works contract- Annexure. –III
, Annexure-IV & Annexure-V
- 5) BHEL Terms and conditions Health ,Safety & Environment –Annexure-VI
- 6) Guidelines for settlement of claims for compensation on Accident –Annexure-VII
- 7) GST Related Guidelines –Annexure-VIII
- 8) Specifications of Earthing system, Danger Notice Board , Guarding arrangements ,Insulators ,Air
Break Switch ,& DO Fuse etc. –Annexure-IX to Annexure-XIV.
- 9) Agreement format Annexure-XV.
- 10) Related party undertaking Annexure -XVI

DATA CHECK LIST

To be fill up and all required documents below to be submitted along with Techno Commercial Bid

1. Name of contractor / Firm :
2. Contrator's / Firm status : Proprietor / Partnership / Pvt. Ltd. / Public Ltd.
3. Contact Person:-

Name :

Designation :

Phone No. :

Mobile No. :

E-mail :
4. Company Registration No/Code :
5. IT PAN No :
6. GST Registration No :
7. PF registration No :
8. ESI no :
9. Tender Fee Detail (E-reciept/Reciept No) :
10. EMD details (DD No/E-receipt No etc) :
11. Valid A-Class electrical contractor license :
12. Labour license, If applicable :
13. Documentary evidence in support of Pre-Qualifying Criteria. (PQC) :
14. All Annexures as per Enclouser of NIT : Yes/No.
15. Acceptance for participation in RA (Reverse Auction) : Yes/No

Note:- Tenderer shall submit the copy of document as a proof for Sl. No. 5 to 13 of their possession. Tender received without necessary documents are likely to be rejected.

Signature of Issuing Officer
Date

Signature of Contractor
Date

SCOPE OF WORK& SPECIAL CONDITION

➤ Please co relate the scope of work with schedule –A item wise.

1. Scope of work for item no.1, as per schedule: -

- 1.1 Supply and erection of stay sets, complete with 16 mm stay rod, 7/3.15mm stay wire, anchor plate, thimble, stay clamps, turn buckle etc. with stain insulator complete duly erected including excavation and foundation in cement concrete 1.3.6 ratio. (Only cement will be issued free of cost from BHEL store).
- 1.2 Contractor shall ensure prior inspection of supplied material.
- 1.3 Overall length of GI anchor rod should be approx. 1800 mm to be made out of 16 mm diameter rod and provided with one square GI washer of size 40X40x1.6mm and one GI hexagonal nut conforming to IS:1367:1967 & IS:1363:1967. Both waster and nut to suit threaded rod of 16 mm dia. The other end of the rod to be made into a round eye having an inner diameter of 40mm with best quality welding.
- 1.4 GI anchor plate shall be of size approx. 200x200x6 mm and have a hole in its centre of size 18 mm.
- 1.5 Turn buckle shall be made of 16 mm dia GI Rod having an overall length of 450mm, one end of the rod to be threaded up to approx.300 mm length and provided with two GI Hexagonal nuts of suitable size conforming toIS:1363:1967 & IS:1367:1967. The other end of rod shall be rounded into a circular eye of approx. 40mm inner diameter with proper and good quality welding.
- 1.6 Bow with Welded Angle shall be made out of apprx.16mm diameter GI rod. The finished bow shall have an over all length of 995 mm and height of 450 mm, the apex or top of the bow shall be bent at an angle of 10 R. The other end shall be welded with proper and good quality welding to a GI angle 180 mm long having approx. dimension of 50x50x6mm. The angle shall have 3 holes of 18 mm dia each.
- 1.7 Thimble shall be made of 1.5 mm thick GS sheet into a size of 75x22x40mm and shape as per standard shall be supplied.
- 1.8 Average Weight of Finished 16mm Stay Sets shall be at least 7.702 KG (Minimum) (Excluding Nuts, Thimbles and Washer) and 8.445 Kg. (Maximum).

2. Supply of GI accessories / Supply of MS accessories: -

- 2.1 Supply of MS angle / channel / flat fittings for overhead lines of all sizes suitable for such cross arms, mounting channels/angles, clamps brackets etc. including nuts, bolts and washers, with holes, welding and other necessary materials.
- 2.2 Contractor shall make an arrangement painting of supplied material as per details mentioned in schedule.

3. Supply and erection and commissioning of earthing system:-

- 3.1 Contractor shall supply and install earthing arrangements with 600 x 600 x 6.3 mm GI plate electrode (as per IS:3043 & earth resistance not more than two ohm).
- 3.2 Pit size for earthing shall be approx.. 1x1x2.5 Mtr. Depth of pit shall be approx. 2.5 Mtr.
- 3.3 Reference drawing for earthing is attached herewith- **(Attached Annexure-IX)**. However, contractor shall take prior approval of supplied material by Engineer-in-charge.
- 3.4 Refilling of pit after erection of GI plate and pipe shall be done with alternate layer of sand and mixer of charcoal and salt as per instruction given by Engineer-in-charge.
- 3.5 Contractor shall construct chamber as per attached drawing and instruction of Engineer-in-charge.

- 3.6 Contractor shall connect each earth pit with existing earthing system with GI wire/GI strip/ Copper wire/copper lead as per instruction of Engineer-in-charge.
4. Supply of 11kV polymer pin insulator as per (**Attached Annexure-XII**). Prior inspection of material is mandatory before installation.
5. Supply of 11kV polymer disk insulator as per (**Attached Annexure-XII**). Prior inspection of material is mandatory before installation.
6. Supply of 11kV lightening arrestor as per (**Attached Annexure-XII**). Prior inspection of material is mandatory before installation.
7. Supply of shackle insulators with necessary hardware as per requirements of work. Prior inspection of material is mandatory before installation.
8. Prior inspection of material is mandatory before installation. Contractor shall supply 11 KV, A.B. Switch as per (**Attached Annexure-XIII**).
9. Contractor shall supply the 11 KV, drop out fuses (one set contains 3 nos. pole) for existing D.P. structure with necessary hardware materials and as per (**Attached Annexure-XIV**). Prior inspection of material is mandatory before installation.
10. Contractor shall supply 8 SWG GI wire as per relevant IS standard. Prior inspection of material is mandatory before installation.
11. Contractor shall supply stranded ACSR conductor (Dog) size 6/4.72+7/1.57 mm confirming to IS 398-1961 and latest update. Prior inspection of supplied ACSR conductor shall be mandatory.
12. Contractor shall supply stranded ACSR conductor (Raccon) size 7/4.09 mm confirming to IS 398-1961 and latest update. Prior inspection of supplied ACSR conductor shall be mandatory.
13. Contractor shall supply stranded ACSR conductor for (Rabbit) size 7/3.35 mm confirming to IS 398-1961 and latest update. Prior inspection of supplied ACSR conductor shall be mandatory.
14. Contractor shall supply stranded ACSR conductor but for (Weasel) but size 7/2.59 mm as per IS 398-1961 and latest update. Prior inspection of supplied ACSR conductor shall be mandatory.
15. **Erection of LT pole /HT pole / stud: -**
 - 15.1 Site clearing and tree cutting will be done by the contractor at his cost. No extra payment shall be made in this respect.
 - 15.2 Contractor shall ensure the depth of pit to the 1/6th height of the pole. While back filling the earth must be packed tight.
 - 15.3 Poles shall be issued to the contractor from the EMT store. Contractor shall cut the pole to the desired length and as decided by engineer-in-charge. No extra payment shall be made for cutting of pole.
 - 15.4 Contractor shall transport the pole to the respective site. Contractor shall take all safety measures while transporting and erecting the pole to the site. It is clearly understood by the contractor that he/she bear full and final risk, out of it. Contractor will not be eligible for any compensation/claim from BHEL.
 - 15.5 Each pole shall be properly earth using earthing coil. Contractor shall ensure the prior inspection of earthing coil before installation.
 - 15.6 Contractor shall ensure proper alignment of pole and keep the pole in truly vertical position.
 - 15.7 Contractor shall ensure the size of the bed concrete block shall be of 0.80 x 0.80 x 0.15 mtrs and pole concrete block shall be of 0.75 x 0.75 x 1.76 mtrs. The concrete mixture ratio is to be 1:3:6 (4.55 bags of cement per cu.mtr.). 5.25 bag cement/ HT pole will be issued from FMS free of cost.
 - 15.8 Contractor shall ensure The size of the bed concrete block shall be of 0.80 x 0.80 x 0.15 mtrs and pole concrete block shall be of 0.75 x 0.75 x 1.76 mtrs. The concrete mixture ratio is to be 1:3:6 (4.55 bags of cement per cu.mtr.). 5.25 bag cement/ LT pole will be issued from FMS free of cost.

- 15.9 Contractor shall cut pole to the required length or as decided by Engineer-in-charge for erection of stud.
- 15.10 Contractor shall make an earth pit having depth of apprx. 0.9 Mtr. Of suitable size.
- 15.11 Erection of stud shall be done while ensuring the main pole in truly vertical \position.
- 15.12 The size of the concrete block is to be of 0.75 X 0.7X 0.9 mtr. The concrete mixture shall be of 1:3:6 (4.55 bags of cement per cu. mtr.). 1.25 bag cement/ stud will be issued from FMS free of cost.
16. For item no.16, scope of work shall be same as point no.15.
17. For item no.17, scope of work shall be same as point no.15.
18. **Supply of GI protective pipe: -**
- 18.1 Contractor shall supply the GI protective pipe and coupler of good quality with the size and thickness, as mentioned in the schedule and as per IS. Prior inspection before installation of GI protective pipe and coupler is mandatory.
19. Erection of GI protective pipe: -
- 19.1 Contractor shall cut/couple the GI pipe to the required length as instructed by Engineer-in-charge.
- 19.2 Contractor shall lay underground / on wall the GI pipe as instructed by Engineer-in-charge. While installing the GI protective pipe on wall/ vertical position on pole, contractor shall firmly mount/grout the GI pipe using suitable GI accessories.
- 19.3 Contractor shall take proper precaution while laying of cable through GI protective pipe. Cable should not be damaged while laying through protective pipe.
20. For item 20, scope of work shall be same as point no.18.
21. For item no.21, scope of work shall be same as point no. 19.
22. Erection/ fixing of T/D type service bracket: -
- 22.1 Contractor shall supply the required bracket with MS angle as per size mentioned in schedule. Prior inspection of T/D type bracket is mandatory before installation.
- 22.2 Contractor shall installed the T/D bracket as per location and instruction given by Engineer-In-Charge.
- 22.3 Contractor shall supply the T/D type bracket with overall dimensions and accessories as per instruction given by Engineer-In-Charge
23. Contractor shall supply the barbered wire of approx. 1.0 Mtr. length and wrap properly on pole so as to hold the wrapped wire at position and prescribed height, in consultation with engineer-in-charge.
24. Painting (Red oxide & Al. paint) of HT/LT & street light poles of all sizes shall be done as per instruction of Engineer-in-charge. Contractor shall paint the pole with red oxide and Al paint as per guidance of engineer-in-charge. Paint, red oxide primer and thinner shall be in the scope of contractor. Contractor shall arrange the scrubber, brush and waste clothes for cleaning and painting of pole.
25. Contractor shall supply the 11kV danger board as per (Attached Annexure-X). Contactor shall install the 11kV danger board as per instruction of Engineer-in-charge.
26. Contractor shall supply and install cable route indicator of CI engraved with voltage level identification, for a span of 100 meter and at cable turning points etc. Contractor shall finalize the exact dimensions in consultation with engineer in-charge.
27. Contractor shall install V- cross arm of angle or channel iron on existing poles using required accessories to suitable height and instruction of engineer-in-charge. While fixing the V-cross arm on HT pole, contractor shall ensure the safety of their personnel.
28. Contractor shall install Top clamp of angle or channel iron on existing poles using required accessories to suitable height and instruction of engineer-in-charge. While fixing the top clamp on HT pole, contractor shall ensure the safety of their personnel.
29. Contractor shall install cross arm of angle or channel iron on existing poles using required accessories to suitable height and instruction of engineer-in-charge. While fixing the cross arm on HT poles, contractor shall ensure the safety of their personnel.

30. Contractor shall install cross arm of angle or channel iron on existing poles using required accessories to suitable height and instruction of engineer-in-charge. While fixing the cross arm on LT poles, contractor shall ensure the safety of their personnel.
31. Contractor shall install “D” /”B” bracket of angle or channel iron on existing poles using required accessories to suitable height and instruction of engineer-in-charge. While fixing the “D” /”B” bracket HT/LT poles, contractor shall ensure the safety of their personnel.
32. Contractor shall install DP channel of angle iron or channel iron on existing poles using required accessories to suitable height and instruction of engineer-in-charge. While fixing the “DP channel on HT/LT poles, contractor shall ensure the safety of their personnel.
33. Contractor shall install DC channel of angle iron or channel iron on existing poles using required accessories to suitable height and instruction of engineer-in-charge. While fixing the “DC channel on HT/LT poles, contractor shall ensure the safety of their personnel
34. As per schedule-A of Item No-34
35. As per schedule-A of Item No-35
36. As per schedule-A of Item No-36
37. As per schedule-A of Item No-37
38. As per schedule-A of Item No-38
39. As per schedule-A of Item No-39
40. As per schedule-A of Item No-40
41. As per schedule-A of Item No-41
42. As per schedule-A of Item No-42
43. As per schedule-A of Item No-43
44. As per schedule-A of Item No-44
45. As per schedule-A of Item No-45
46. As per schedule-A of Item No-46
47. Making Suitable cradle type guard and erection for LT overhead lines referential drawing is attached along with the scope of work. as per **Annexure-XI**
48. Making Suitable cradle type guard and erection for HT overhead lines referential drawing is attached along with the scope of work. as per **Annexure-XI**
49. Digging as per schedule-A of Item No-49 all tools & tackles earth moving equipment’s etc as per work requirement are to be arranged by contractor, leveling of trench, putting suitable lids etc all labour work is in scope of contractor, any leftover and debris waste are to be disposed by contractor as per instructions of engineer in charge.
50. Digging as per schedule-A of Item No-50, all tools & tackles earth moving equipment’s etc as per work requirement are to be arranged by contractor, leveling of trench, putting suitable lids etc all labour work is in scope of contractor, any leftover and debris waste are to be disposed by contractor as per instructions of engineer in charge.
51. Work includes Shifting from BHEL store, cutting in suitable length, restocking of cables at store, use of cable guide roller etc are in contractor’s scope, providing proper support to cables, all kind of welding work, minor civil work etc as per requirement, for civil work cement will be in BHEL’s scope, all other consumables including welding rod and machines etc in contractor’s scope.
52. Removal of cable includes opening the termination, cutting of cable if required, transportation of cable and depositing the cut pieces at BHEL store, and covering/refilling the trench.
53. Item No 51 & 52 combined activity

54. Including all work of item no 51 and with suitable sand cushion at bottom and brick wall support of at least 2-3 brick height or as per site condition, following by flagstone and mud covering, actual detail will be finalized at the time of work in consultation with engineer in charge.

55. –do as for item no 52 above, including removing bricks and sand stone and Depositing the same at BHEL's store.

56. Item No 54 & 55 combined activity.

57. Work includes Shifting from BHEL store, cutting in suitable length, restocking of cables at store, use of cable guide roller etc are in contractor's scope, providing proper support to cables, all kind of welding work, minor civil work etc as per requirement, for civil work cement will be in BHEL's scope, all other consumables including welding rod and machines etc in contractor's scope.

58. Removal of cable includes opening the termination, cutting of cable if required, transportation of cable and depositing the cut pieces at BHEL store, and covering/refilling the trench.

59. Item No 57 & 58 combined activity

60. Including all work of item no 57 and with suitable sand cushion at bottom and brick wall support of at least 2-3 brick height or as per site condition, following by flagstone and mud covering, actual detail will be finalized at the time of work in consultation with engineer in charge.

61. –do as for item no 60 above, including removing bricks and sand stone and Depositing the same at BHEL's store.

62. Item No 60 & 61 combined activity

63. Work includes Shifting from BHEL store, cutting in suitable length, restocking of cables at store, use of cable guide roller etc are in contractor's scope, providing proper support to cables, all kind of welding work, minor civil work etc as per requirement, for civil work cement will be in BHEL's scope, all other consumables including welding rod and machines etc in contractor's scope.

64. Removal of cable includes opening the termination, cutting of cable if required, transportation of cable and depositing the cut pieces at BHEL store, and covering/refilling the trench.

65. Item No 63 & 64 combined activity

66. Including all work of item no 63 and with suitable sand cushion at bottom and brick wall support of at least 2-3 brick height or as per site condition, following by flagstone and mud covering, actual detail will be finalized at the time of work in consultation with engineer in charge.

67. –do as for item no 66 above, including removing bricks and sand stone and Depositing the same at BHEL's store.

68. Item No 66 & 67 combined activity

69. Work includes Shifting from BHEL store, cutting in suitable length, restocking of Cables at store, use of cable guide roller etc are in contractors scope, providing proper support to cables, all kind of welding work, minor civil work etc as per requirement, for civil work cement will be in BHEL's scope, all other consumables including welding rod and machines etc in contractors scope.
70. Removal of cable includes opening the termination, cutting of cable if required, transportation of cable and depositing the cut pieces at BHEL store, and covering/refilling the trench.
71. Item No 69 & 70 combined activity
72. Including all work of item no 69 and with suitable sand cushion at bottom and brick wall support of at least 2-3 brick height or as per site condition, following by flagstone and mud covering, actual detail will be finalized at the time of work in consultation with engineer in charge.
73. –do as for item no 72 above, including removing bricks and sand stone and Depositing the same at BHEL's store.
74. Item No 72 & 73 combined activity
75. As per schedule-A item no-75, including supply of bobbin insulator, binding wires, and related hardware to make hanging support firm and robust, 8 SWG GI wire will be under item no 10 or the same will be issued by BHEL free of cost.
76. Removal of cable includes opening the termination, cutting of cable if required, transportation of cable and depositing the cut pieces and all material at BHEL store.
77. Item No 75 & 76 combined activity.
78. As per schedule-A item no-78, including supply of bobbin insulator, binding wires, and related hardware to make hanging support firm and robust, 8 SWG GI wire will be under item no 10 or the same will be issued by BHEL free of cost.
79. Removal of cable includes opening the termination, cutting of cable if required, transportation of cable and depositing the cut pieces and all material at BHEL store.
80. Item No 78 & 79 combined activity
81. As per schedule-A item no-81, including supply of bobbin insulator, binding wires, and related hardware to make hanging support firm and robust, 8 SWG GI wire will be under item no 10 or the same will be issued by BHEL free of cost.
82. Removal of cable includes opening the termination, cutting of cable if required, transportation of cable and depositing the cut pieces and all material at BHEL store.
83. Item No 81 & 82 combined activity
84. As per schedule –A of Item No-84.

85. De/Re- stringing of existing HT/LTO.H. Lines for removing SAG/deformity/retightening, loosen or fallen existing Overhead lines of existing network, work includes binding, opening/ tightening the OH conductors on insulators only existing lines will fall under this item.
86. As per schedule-A of Item No-86, during inspection and general maintenance If OH conductor joints/binding wire etc. need a repair/replacement.
87. As per schedule-A of item No-87
88. As per schedule-A of item No-88.
89. As per schedule-A of item No-89.
90. As per schedule-A of item No-90.
91. As per schedule-A of item No-91.
92. As per schedule-A of item No-92.
93. As per schedule-A of item No-93.
94. As per schedule-A of item No-94.
95. As per schedule-A of item No-95, bracket and adopter of suitable size will be in contractor's scope.
96. As per schedule-A of Item No-96, of relevant standards.
97. As per schedule-A of Item No-97, of relevant standards.
98. As per schedule-A of Item No-98, of relevant standards as per site requirements.
99. As per schedule-A of Item No-99, of relevant standards as per site requirements.

Special Conditions

1. Successful bidder shall maintain the “buffer stock” in BHEL’s store in order to meet and emergency requirement.
2. Minimum quantity of buffer stock in BHEL’s store shall be as under :-
 - ✓ Item No. 2 – 500 kg.
 - ✓ Item No. 4 – 02 nos.
 - ✓ Item No. 5 – 02 nos.
 - ✓ Item No. 6 – 01 nos.
 - ✓ Item No. 7 – 30 nos.
 - ✓ Item No. 8 – 02 set.
 - ✓ Item No. 9 – 02 set.
 - ✓ Item No. 10 – 500 mtr.
 - ✓ Item No. 96 – 50 mtr.
 - ✓ Item No. 97 – 50 mtr.
3. Above stock shall be maintained within 1 month of WO, payment of the same will be done in first running bill.
4. During execution of work the buffer stock material must be used first as per requirement, the same should be re filled to maintain the buffer stock as per clause no 2 above.
5. All the work shall be carried out as per code of practice and IE rules.
6. Contractor should ensure the compliance of all safety norms / regulation.
7. For carrying out the Erection & Commissioning work required tools & tackles and personnel protective equipment's i.e. **rubber hand globes, safety shoes, Helmet etc** shall be arranged by the contractor himself.
8. Emergency torch, Electrical measurement tools are in contractor’s scope.
9. Labor uniforms are in contractor scope.
10. Requirement for Hydra/crane any other lifting arrangement to execute the job satisfactorily and safely is to be arranged by sub-contractor on its cost.
11. Shifting or material is in contractors scope.
12. Contractor shall depute **competent supervisor** to supervise the work to be carried out during the day.
13. Supply of all type of consumable items viz cable tie, insulation tape both HT and LT, welding rod, waste clothes, cans, painting accessories etc are to be arranged by contractor.
14. Ladder, chain pully block, hydra lifter etc are in contractor’s scope as per work requirement.
15. Temporary/ permanent shades on DBs/JBs/Light fittings /or at any electrical equipmet may be required is in contractors scope for labor work only, material for shades in BHEL scope.
16. Contractor must put safety line of around the work area.
17. After completion of work, it is contractors responsibility to clear the site and clean the work area from waste and debris etc, work report is to be submitted duly signed by competent supervisor for record.
18. Safety permit to work must be strictly obtained from the concerned supervisor / Engineer-in-charge before starting the work.
19. Log book shall be maintained for all the activities on daily basis and also individual equipment wise formats of log book shall be given by BHEL.
20. BHEL reserve the right to recover the cost of any damage to the equipment as may deem fit without explanation to contractor.
21. The contractor shall get approval from Engineer-in-charge before work execution. Any dissatisfactory work will be liable to rework without claiming compensation.

22. The decision of Engineer-in-charge regarding satisfactory work shall be final and binding on contractor.
23. Repeated failure to comply with condition as above may lead to termination of contract at the cost and risk of contractor.
24. Any activity which is not mentioned but required for the execution of above work shall also be carried out by the contractor.
25. Contactor is advised to visit the site and understand the quantum of work, site condition, BHEL store and site location before quoting.
26. It must be clearly understood by contractor and duly confirmed that he shall bear full and final risk arising out of working with 11 KV system. No claim shall be made by the contractor for damage to his tools or tackles and any injury, whatsoever, which may occur to any of his workmen during the execution of this work.
27. Accommodation of labor, medical requirement, insurance, PF, ESI all are in contractor's scope and as per the BHEL's statutory requirement of prevailing labor laws.
28. The payment of the Contractor will be made after submitting the **Running/Final Running Bill**.
29. Payment shall be made for the quantity of works attended as mentioned in Schedule-A.
30. Penalty for delay of work shall be imposed as per Schedule –B.
31. Quantum and work and value may vary as per site condition and requirement.

Signature of Issuing Officer

Signature of Contractor

Date

Price Bid (SCHEDULE- A)					
Date-17-08-2020					
Name of Work: Maintenance of HT/LT Electrical network in BHEL Bhopal township.					
Sl No	Item of works	Unit	Qty	BHEL Estimate (In Rs.)	Total (Rs.)
1	Supply and erection of stay sets as per specifications and scope of work. (Cement will be issued from Dept. free of cost.)	No.	15	1684.98	25274.70
2	Supply of angle / channel / flat iron fittings for overhead lines such as cross arms, clamps brackets etc. including nuts and bolt, required holes, welding and other necessary materials as per specifications including red oxide and Al. painting.	Kg	2000	66.10	132198.00
3	Providing and fixing earthing pits arrangements as per specifications.	No.	4	5106.00	20424.00
4	Supply of 11 KV pin insulators (composite polymer) with hardware, as per scope of work.	No.	4	160.24	640.96
5	"--do as above--" but for 11 KV disc insulators.	No.	4	400.60	1602.40
6	"--do as above--" but for 11 KV lightening arresters.	No	2	1101.65	2203.30
7	Supply of shackle insulators with necessary hardware as per specification.	No	300	50.08	15022.50
8	Supply of 11 KV, A.B. Switch (GOD), nine insulator type as per specification.	Set	8	7010.50	56084.00
9	Supply of 11 KV, drop out fuses (one set 3 nos) as per specification.	Set	8	2503.75	20030.00

10	Supply of 8 SWG GI wire as per specifications.	Mtr .	2000	17.03	34051.00
11	Supply of stranded ACSR conductor (Dog) size 6/4.72+7/1.57 mm confirming to IS 398-1961 and latest update.	Mtr	50	45.07	2253.38
12	-do as above- but for (Raccon) size 7/4.09 mm confirming to IS 398-1961 and latest update.	Mtr	50	60.09	3004.50
13	-do as above- but for (Rabbit) size 7/3.35 mm confirming to IS 398-1961 and latest update.	Mtr	50	35.05	1752.63
14	-do as above- but for (Weasel) but size 7/2.59 mm as per IS 398-1961 and latest update.	Mtr	50	27.04	1352.03
15	Erection of 8 mtr to 9.5 mtr long R.S. Joist / Rail pole/I-beam/H beam with earthing coil etc. as per specifications, pole and cement will be issued free of cost.	No	20	3154.80	63096.00
16	Erection of 9.5 mtr to 11.5 mtr long R.S. Joist / Rail pole/I-beam/H beam with earthing coil etc. as per specifications, pole and cement will be issued free of cost.	No.	4	3365.12	13460.48
17	Erection of 8 mtr. to 11 mtr. long stud pole of R S Joist/Rail pole/I-beam/H beam with earthing coil as per specifications. Pole and cement will be issued free of cost.	No.	5	1051.60	5258.00
18	Supply of GI protective pipe with coupler for underground cable fixing on wall / pole with necessary clamps or laid in ground etc. of size 75 mm OD with minimum 3 mm thickness. As per scope of work.	Mtr	20	300.45	6009.00

19	Erection and installation 75 mm GI pipe GI protective pipe with coupler for underground cable fixing on wall / pole with necessary clamps or laid in ground etc. as and scope of work.	Mtr	20	31.55	630.96
20	Supply of GI protective pipe with coupler for underground cable fixing on wall / pole with necessary clamps or laid in ground etc. of size 120 mm OD with minimum 3 mm thickness. As per specification and scope of work.	Mtr	20	350.53	7010.50
21	Erection and installation 120 mm GI protective GI protective pipe with coupler for underground cable fixing on wall / pole with necessary clamps or laid in ground etc. as per scope of work.	Mtr	20	31.55	630.96
22	Erection and fixing T/D type service bracket of angle iron of minimum size 50X 50x 6 mm with required nut and bolts as per requirement.	No.	4	10.52	42.06
23	Supply and wrapping barbed wire on HT Pole at the prescribed height approx. 1 mtr length as required.	No	40	30.64	1225.44
24	Painting (Red oxide & Al. paint) of HT/LT & street light poles size 9 to 11 mtr as per Scope of work .	No	25	315.48	7887.00
25	Supplying and fixing 11 kv danger board on HT Poles as per IE Rule.	No	40	25.53	1021.20
26	supplying and fixing cable route marker with 10 cm x10 cm x 5mm thick GI Plate with inscription their on bolted /welded to 35 mm x35mm x6mm angle iron,60cm long and fixing the same in ground as required.	No	15	10.21	153.18

27	Labour charges for fixing V cross arms of angle iron or channel iron on existing poles as per requirement on HT poles.	No.	40	42.06	1682.56
28	Labour charges for fixing Top clamp of angle iron or channel iron on existing poles as per requirement on HT poles.	No	40	26.29	1051.60
29	Labour charges for fixing cross arm of angle iron or channel iron on existing poles as per requirement on HT poles.	No	40	31.55	1261.92
30	Labour charges for fixing cross arm of angle iron or channel iron on existing poles as per requirement on LT poles.	No	50	31.55	1577.40
31	Labour charges for fixing "D"/ "B" bracket of angle iron / channel iron on existing poles as required.	No.	50	68.35	3417.70
32	Labour charges for fixing DP channel of angle iron / channel iron on existing poles as required.	No.	10	84.13	841.28
33	Labour charges for fixing DC channel of on existing poles as required.	No	10	42.06	420.64
34	Labour charges for erection/fixing of 11 KV pin insulators on existing V bracket / Channel.	No.	50	10.52	525.80
35	Labour charges for erection/fixing of 11 KV disc insulators on existing V bracket / Channel.	No.	30	10.52	315.48
36	Labour charges for erection/fixing of 11 KV lightening arresters with earthing on existing channels/pole.	No.	2	10.52	21.03
37	Labour charges for erection/fixing of LT insulators on existing D/B bracket /Channel/Poles.	No.	400	10.52	4206.40
38	Labour charges for erection/fixing of 11 KV AB Switch assembly.	Set	8	736.12	5888.96

39	Labour charges for erection/fixing of 11 KV DO fuse assembly.	Set	8	210.32	1682.56
40	Labour charges for erection/fixing of LT AB cables of size 3x120+1x70+1x16 SQMM, 3x95+1x70+1x16 SQMM and 3x50+1x35+1x16 SQMM with required accessories as per scope of work.	Mtr	3000	115.68	347028.00
41	Labour charges for dismantling of LT AB cables with required accessories as per scope of work.	Mtr	400	31.55	12619.20
42	Erection and drawing of stranded ACSR conductor (Dog) size 6/4.72+7/1.57 mm as per specification.	Mtr	1000	4.21	4206.40
43	Erection and drawing of stranded ACSR conductor (Raccon) size 7/4.09 mm as per specification.	Mtr	20000	8.41	168256.00
44	-do as above- but for (Rabbit) size 7/3.35 mm	Mtr	1000	6.31	6309.60
45	-do as above - but for (Weasel) size 7/2.59 mm	Mtr	1000	6.31	6309.60
46	Erection And drawing of 8 SWG GI wire .	Mtr	3000	4.21	12619.20
47	Erection of cradle type guard for existing overhead LT line including making of guards as per drawing.	No.	500	47.32	23661.00
48	Erection of cradle type guard for existing overhead HT line including making of guards as per drawing.	No.	400	42.06	16825.60
49	Digging and refilling of cable trench (Earth work) in all soils except hard rock / road cutting, 400 mm wide and 600-900 mm depth.	Mtr	100	99.90	9990.20
50	Digging and refilling of cable trench (Earth work) in hard rock / road cutting, as per requirement.	Mtr	200	115.68	23135.20

51	Laying of underground HT cable <u>armoured/un-armoured in existing prepared trench</u> as per scope of work, <u>size 3C 50 to 185 sq.mm</u> (cables will be supplied by BHEL free of cost). As per scope of work and specifications. (Laying new cable)	Mtr	100	78.87	7887.00
52	Removal of (old) cable for item no 51.	Mtr	75	31.55	2366.10
53	For Item No 51 and 52 combined activity.(Removal old and Laying new cable) same place.	Mtr	50	94.64	4732.20
54	"do as above for Item No-51" but with sand, bricks and flag stone as per scope of work.(Laying new cable)	Mtr	100	105.16	10516.00
55	Removal of (old) cable for item no 54.	Mtr	75	31.55	2366.10
56	For Item No 54 and 55 combined activity.(Removal old and Laying new cable) same place.	Mtr	50	126.19	6309.60
57	Laying of underground LT <u>cables armoured/un-armoured in existing prepared trench</u> as per scope of work, <u>size 3/3.5C 25 sq. mm. to 120 sq. mm.</u> (Cable will be supplied by BHEL free of cost). As per scope of work. (Laying new cable)	Mtr	400	52.58	21032.00
58	Removal of (old)cable for item no 57.	Mtr	100	31.55	3154.80
59	For Item No 57 and 58 combined activity.(Removal old and Laying new cable) same place.	Mtr	50	71.51	3575.44
60	"do as abovefor Item No-57" but with sand, bricks and flag stone as per scope of work.(Laying new cable)	Mtr	50	69.41	3470.28
61	Removal of (old) cable for item no 60.	Mtr	50	31.55	1577.40

62	For Item No 60 and 61 combined activity.(Removal old and Laying new cable) same place.	Mtr	50	92.54	4627.04
63	Laying of underground LT <u>cables</u> <u>armoured/un-armoured in existing prepared trench</u> as per scope of work, size 3.5C 150 sq. mm and above. (Cable will be supplied by BHEL free of cost). As per scope of work. (Laying new cable)	Mtr	300	89.39	26815.80
64	Removal of (old) cable for item no 63.	Mtr	100	31.55	3154.80
65	For Item No 63 and 64 combined activity.(Removal old and Laying new cable) same place.	Mtr	50	103.06	5152.84
66	"do as above for Item No-63" but with sand, bricks and flag stone as per scope of work.(Laying new cable)	Mtr	50	118.83	5941.54
67	Removal of (old) cable for item no 66.	Mtr	50	31.55	1577.40
68	For Item No 66 and 67 combined activity.(Removal old and Laying new cable) same place.	Mtr	50	138.81	6940.56
69	Laying of underground LT cables <u>armoured/un-armoured in existing prepared trench</u> as per scope of work, size <u>2C/3C/3.5C/4C</u> cables size 6 sq mm to 16 sq mm. (Cable will be supplied by BHEL free of cost). As per scope of work. (Laying new cable)	Mtr	300	42.06	12619.20
70	Removal of (old) cable for item no 69.	Mtr	200	10.52	2103.20
71	For Item No 69 and 70 combined activity.(Removal old and Laying new cable) same place.	Mtr	50	44.17	2208.36
72	"Do as above for Item No-69" but with sand, bricks and flag stone as per scope of work.(Laying new cable)	Mtr	50	55.73	2786.74

73	Removal of cable for item no 72. as per scope of work.	Mtr	100	31.55	3154.80
74	For Item No 72 and 73 combined activity. (Removal old and Laying new cable) same place.	Mtr	200	79.92	15984.32
75	Laying of LT cables armoured /un- armoured as per specification <u>in air</u> with approved type of GI clamps, dully supported by 8 SWG GI Wire on bobbin insulator complete <u>size 2C/3C/3.5C/4C, 6 sq mm to 16 sq mm.</u> (Cable will be supplied by BHEL free of cost) (Laying new cable)	Mtr	500	42.06	21032.00
76	Removal of (old) cable for item no 75.	Mtr	200	10.52	2103.20
77	For Item No 75 and 76 combined activity.(Removal old and Laying new cable) same place.	Mtr	50	44.17	2208.36
78	Laying of LT cables armoured /un- armoured as per specification <u>in air</u> with approved type of GI clamps, dully supported by 8 SWG GI Wire on bobbin insulator complete <u>size 3C/3.5C cables , 25 sq mm to 120 sq mm.</u> (Cable will be supplied by BHEL free of cost) (Laying new cable)	Mtr	200	47.32	9464.40
79	Removal of (old) cable for item no 78.	Mtr	200	15.77	3154.80
80	For Item No 78 and 79 combined activity.(Removal old and Laying new cable) same place.	Mtr	50	53.63	2681.58

81	Laying of LT cables armoured /un- armoured as per specification <u>in air</u> with approved type of GI clamps, dully supported by 8 SWG GI Wire on bobbin insulator complete <u>size 3C/3.5C cables , 150 sq mm and above.</u> (Cable will be supplied by BHEL free of cost) (Laying new cable)	Mtr	100	84.13	8412.80
82	Removal of (old)cable for item no 81.	Mtr	100	26.29	2629.00
83	For Item No 81 and 82 combined activity.(Removal old and Laying new cable) same place.	Mtr	50	94.64	4732.20
84	Disconnecting/Connecting and dismantling of existing O.H. service line of single / three phase from pole and quarter with all clamps, hardwares, jumper wires GI bearer wire, cut-outs, step poles etc. including separating, rolling and depositing the same at Sub-divisional store.	No.	300	10.52	3154.80
85	De/Re- stringing of existing HT/LT O.H. Lines for removing SAG/deformity/retightening of existing lines etc. including terminations complete as required.	Mtr	3000 0	8.41	252384.0 0
86	HT/LT O.H. Lines unbinding / binding on insulators, jumpers, joints connections / disconnection of service line wire, street light jumpers etc. complete as required.	Nos	1000	52.58	52580.00
87	Dismantling of existing O.H. HT/LT line conductor /guard wire of aluminium /copper / ACSR/GI wire of different sizes including un - binding of wire from insulators, joints, jumpers etc. and removing of wire to ground level separate- ing guarding, rolling the wire in coils and deposit- ing the same at sub divisional store.	mtr.	4500 0	4.52	203484.6 0

88	Dismantling of D/B/V type brackets/cross arms of various size fixed at various height/type of poles with clamps, hardware etc., depositing all dismantled materials to sub- divisional store.	No.	200	21.03	4206.40
89	Dismantling of top clamp guard channel / guard angle/insulators/LA fixed at various heights/type of poles with clamps, hardware etc. and depositing dismantled materials to sub- divisional store.	No	200	21.03	4206.40
90	Dismantling of D/B/V type bracket/top clamp guard channel / guard angle/insulators/LA fixed at various heights /type of poles with clamps, hardware, separating insulators etc. and making the pole clear and depositing dismantled materials to sub- divisional store.	No	75	21.03	1577.40
91	Dismantling and removing of existing PCC/ RCC / Rail / R S Joist/H-beam/I-beam etc. of different length from ground level including dressing of site and shifting of pole to respective Elect. Sub division store.	No.	20	630.96	12619.20
92	Dismantling and removing of existing defective 11 KV, A.B. Switch (GOD) with cross arms, handles, hardware and insulators fixed at various heights on different type of poles and depositing the same at Elect. Store.	each Set	10	525.80	5258.00
93	- do as above- but for 11 KV drop out fuse(set of 3 Nos).	each Set	10	210.32	2103.20

94	Dismantling of existing street light fittings/general fittings i.e. tube light / M.V.lamp /sodium lamp/LED fittings from poles including brackets with clamps, wires, cut-outs etc. and depositing at sub-divisional store.	No	30	52.58	1577.40
95	Installing of F.S.L. fittings/ 2 x 24 watt EF Fittings/LED luminaire/M.V.lamp /sodium lamp on various heights and type of existing poles as per scope of work.	No	50	157.74	7887.00
96	Supply of GI earth Strip of 25X3 mm	Mtr	150	10.02	1502.25
97	Supply of GI earth Strip of 50X6 mm	Mtr	75	15.02	1126.69
98	Laying and installation of of GI earth Strip of 25X3 mm. with required hardwares.	Mtr	150	5.26	788.70
99	Laying and installation of of GI earth Strip of 50X6 mm. with required hardwares.	Mtr	75	5.26	394.35
100	Grand Total				1847494
	Note : Estimated Cost Rs. 18,47,494/- (Eighteen Lakh Forteen Seven Thousand Four Hundred andNinty Four only)				
	GST will be paid extra as applicable				
Bidders to fill below format :-					
1	Select the Quoted option (√)	Above		At Par	Below
2	Percentage deviation by Contractor				
3	Percentage deviation in Word :				

Guidance & Help for the Party for quoting in the price bid, Schedule -A

Estimation of M/S BHEL	
Total (in Rs) (Consedered as 100 %)	For Example Rs 100

Case-1	If Party wants to quote more than estimated price of BHEL		
	Above	At par	Below
Select the quoted option ($\sqrt{\quad}$)	$\sqrt{\quad}$		
Percentage quoted by Contractor	10%		
In words	Ten percent higher than BHEL's estimation		
Explanation:- This means the quoted price by contractor is 10% above BHEL's estimation i.e. Rs 110.			

Case-2	If Party wants to quote less than estimated price of BHEL		
	Above	At par	Below
Select the quoted option ($\sqrt{\quad}$)			$\sqrt{\quad}$
Percentage quoted by Contractor			10%
In words	Ten percent lower than BHEL's estimation		
Explanation:- This means the quoted price by contractor is 10% below BHEL's estimation i.e. Rs 90.			

Case-3	If Party wants to quote same as estimated price of BHEL		
	Above	At par	Below
Select the quoted option ($\sqrt{\quad}$)		$\sqrt{\quad}$	
Percentage quoted by Contractor		At par	
In words	Same as BHEL's estimation		
Explanation:- This means the quoted price by contractor is same as BHEL's estimation i.e. Rs 100.			

Note:-** 1) The quoted Percentage (above or below) will be applied with equal rate (above or below) for calculating cost of all individual items of Schedule-A.
 2) In case of any Confusion Bidder is advised to contact the NIT issuing office for clarification.

SCHEDULE-B

Penalty Clause

Penalty shall be applicable to contractor as per following conditions.

Sr.No	Description
1	<p>Contractor will be obligated to attend to breakdowns or such related works within a stipulated time frame. Failing which, based on type of work, he shall be penalised as per the following</p> <ol style="list-style-type: none">1. Attending to breakdowns (Urgent works). Contractor is obligated to attend to breakdowns within a time period of 3 hours after being in receipt of the intimation from Engineer incharge/area incharge. After the lapse of 3 hours, a penalty of Rs 500/ hour shall be imposed on the contractor for failing to attend to work.2. Carrying out planned work : Engineer in charge (Works) shall communicate detail of planned works to contractor. Contractor shall be obligated to carry out such planned work no later than a day after it has been communicated. Failing which a penalty of Rs 1000/- per day shall be imposed on the contractor.

Note:- Maximum cumulative penalty for 12 months will be limited to 10 % of Contract value & GST extra shall be applicable.

Signature of issuing officer

Signature of contractor