

BANGLADESH RURAL ELECTRIFICATION BOARD

PBS INSTRUCTION: 100-41

**CONSTRUCTION/REHABILITATION OF ELECTRIC
FACILITIES BY PBS**

**BANGLADESH RURAL ELECTRIFICATION BOARD
PBS INSTRUCTION 100-41**

Approval Date: 17/04/1982
Revision Date : 19/02/2020

**SUBJECT: CONSTRUCTION/REHABILITATION OF ELECTRIC
FACILITIES BY PBS**

I. PURPOSE

The purpose of this PBS Instruction is to establish and set forth Bangladesh Rural Electrification Board Policy guidelines and recommendations for minor construction and rehabilitations of overhead electric network system extension facilities of the PBSs, by BREB pre-qualified project contractors, BREB/PBS approved and pre-qualified mini contractors and/or by PBSs own Line-crew personnel.

II. POLICY

- A. It is the Policy of BREB to encourage each PBS to assume/share responsibility for the construction and operations of the system at the earliest date possible, while still accomplishing the overall objectives of the program on a timely basis. To that end, PBS will engage BREB pre-qualified project contractors or BREB/PBS pre-qualified and approved mini contractors to construct minor electric network system extension facilities along with minor rehabilitation/maintenance works. PBS may engage the contractor(s) mentioned above for the construction of minor extension
- B. The PBS shall complete such minor construction and rehabilitation works through utilizing of the PBS Project or Retainer consultant, BREB pre-qualified project contractors, BREB/PBS pre-qualified & approved mini-contractors and PBSs' own Line-crew and staff personnel by complying with the procedures and guidelines as outlined in section-III (procedures) of this Instruction.
- C. Provision for construction or rehabilitation of electrical facilities under this Policy Instruction

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may be undertaken by the PBSs after its energization and handing over to PBS.

III. PROCEDURE

A. GENERAL

1. When normal Operations and maintenance work schedule will not be interrupted or impaired, minor work including emergency line extensions and new line constructions for anyone section may be constructed by utilizing PBSs own Line-crew and staff personnel. This will help them to utilize previous training as additional on the job training and develop their skills, which however, PBS management, may award to a mini contractor subject to fulfillment of the provision as outlined in Sl. No. 03 herein below.
2. Construction of Electric overhead distribution line for a maximum limit of construction cost Tk. 10 (Ten) Lac for anyone section shall be constructed normally on contract formula using pre- qualified BREB contractors or PBS enlisted mini-contractors.
3. a) No work order will be awarded without inviting Tender. Tender notice inviting quotations for minor constructions for maintenance of electrical network system facilities will be invited from the respective PBS's pre-qualified mini contractors as per provision as outlined of **PROCEDURES OF AWARDING WORK ORDER** of this Instruction. A notice, allowing a minimum time set forth in PPR (Public Procurement Regulation) will be served to enlisted contractors.
b) The successful bidder (Technically and Financially responsive) shall be awarded work order for the said works at the quoted rate, which however must not be beyond or exceed the limit as mentioned in PPR.
4. The proposed number of pre-qualified mini-contractors for a PBS will be determined on the geographical & financial condition of the PBS and scope of work by a Committee comprising of the following members:

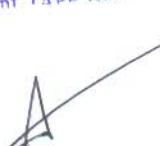
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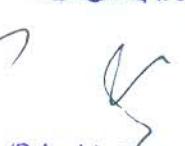

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i) Sr. GM/GM of the respective PBS	-	Convener
ii) Concerned XEN/Representative of XEN (not below the rank of AE)	-	Member
iii) Project/Retainer Engineer of the Consulting Firm	-	Member
iv) DGM (Tech-HQ)/AGM (E&C)/AGM (O&M)	-	Member secretary

No Contractor shall be allowed pre-qualification of mini contractor for more than 04 (four) PBSs.

5. No work order for construction work will be awarded to the mini contractor in conjunction with any rehabilitation work administration and fund. Management of the rehabilitation / maintenance work will be maintained separately.
6. PBS shall complete the construction process through utilization of the PBS Project or Retainer Consultant. During project consultancy period, the consultant shall be paid for rendering their services at the Prescribed Retainer Consultancy Rate Schedule. If concerned XEN allows the consultant to carry out their work with BREB approved working personnel whose Man-month are being paid by BREB, consultant will not be paid for these working personnel by PBS and the rest will be paid according to the policy instruction 100-9. The consultant will be paid as per provisions as outlined in the same policy instruction 100-9.

B. LINE EXTENSION

Construction for any emergency line extension should be within the approved designed and mileage of the respective PBS, unless otherwise approved by the competent authority. Normally feasibility study, new line extensions, lifting of Transformer(s) or other equipment(s) for new consumer, staking, supervision, as built staking, close out will be done under this instruction.

C. SOURCE OF FUND ITS REIMBURSEMENT & BUDGETING

1. a) PBSs will utilize its own Cash General Fund for construction of electric network system facilities

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under this Instruction, subject to budgetary provision and administrative approval through PBS board decision duly ratified by BREB.

- b) For rehabilitation /maintenance work, the PBS will use required fund from their respective Cash General fund, subject to budgetary provision.
- c) All payment of line construction/conversion/shifting against 100-42 will be made the fund so received from the respective consumer be constructed by the BREB or the PBSs.

2. Whatever the source of fund is the PBS will estimate the cost of minor construction and rehabilitation/maintenance of distribution line and keep provision for such cost so estimated Annual Capital Budget against the head " Construction/Maintenance/ rehabilitation of distribution line under 100-41" and shall make payment complying with the Budgetary Provision as approved by BREB.
3. PBS loans and Budget Directorate of BREB shall ensure that Fund disbursed under this account does not exceed the specified limitation of amount and also check the Budget appropriation of the same.
4. No consideration will be given to any request for reimbursement of the Construction Fund until proper inspection, required work, as-built staking sheets, work-order and close-out procedures have been satisfactorily completed by the PBS Retainer consultant and checked by AGM (E&C) or AGM(O&M) and approved by Senior General Manager/General Manager of the PBS.

D. LINE DESIGN AND PREPARATION OF STAKING SHEETS

1. a) The PBS or Retainer Consultant will be entrusted with the responsibility of Line Design, Preparation of staking-sheets, Determining material requirements, Preparing Revenue return statement and Financial estimates ensuring that they meet BREB approved criteria. Construction, supervision, inspection and close-out procedures will also be the function of the PBSs or Retainer Consultants duties and responsibilities.
- b) Staking Sheet can be prepared by E&C/O&M Department of PBS for the case of spot, over/under load transformer change and emergency maintenance or line works (If required PBS shall engage Retainer Consultant).

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[Signatures]

- c) Push pole and vertical extension design prepared by Retainer Consultant for new connection design will be approved by Senior General Manager/General Manager of the respective PBSs.
- 2. Director (System Operation), Director, (System Engineering and Design), Superintending Engineer (Zonal) or other representatives of BREB will make periodic field inspection tours in order to ensure that BREB/PBS approved construction standards and specifications are being properly maintained by the assigned mini contractors in their line construction works. Also special attention shall be given in review of the engineering principles being applied by the consultant and their field staff. This inspection team will furnish an evaluation report on each system visited, detailing conditions as reviewed along with recommendations for improvement when applicable.

E. APPROVAL OF STAKING SHEETS

Assistant. General Manager (E&C) or in absence of Assistant General Manager (E&C), Assistant General Manager (O&M) will review the staking sheets prepared by the consultant and check the list of Materials and Financial estimates, so as to ensure accuracy, justify, quantity of Materials and Financial and assess the cost benefit. When the Assistant General Manager (E&C) / (O&M), as the case may be agrees that all conditions have been fulfilled, he will certify all related documents submit the same through DGM(Tech-HQ) to the Senior General Manager/General Manager for necessary approval .

F. REQUISITION AND ALLOCATION OF MATERIALS

PBSs will procure required materials for this work either through Lead PBS or PBS itself. If the electrical line of any project is done by Mini Contractors of PBS then materials will be delivered by concern XEN from that Project.

G. PROCEDURES OF AWARDING WORK ORDER

1. INVITATION OF TENDER

- (a) When the facilities to be constructed exceed one-half(1/2) of a mile, or normal operation and maintenance work preclude PBS Line personnel from engaging in Line-construction-activities, the PBS, shall invite tender from BREB pre-qualified project contractors or BREB/PBS

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pre- qualified and approved mini-contractors as per provisions as outlined in section-II (policy) and Section-III (procedure) under 'Para-A, GENERAL of this Instruction.

(b) When it deems proper and appropriate PBS Senior General Manager/ General Manager shall instruct the Assistant General Manager (Admin) for initiating tender, showing, the volume of works, estimated amount of money to be deposited as earnest money and the period for completion, from the respective category of BREB pre-qualified project contractors and BREB/PBS pre- qualified & approved mini contractors through notice board and by issuing letter to each contractor of that PBS.

2. PRICE OF THE SCHEDULE

Assistant General Manager (Admin) will print- necessary copies of the approved Tender document and charge a suitable price for it, with a view to compensating the expense for preparation and printing of the schedule. PBS Finance Department will be entrusted with the task of selling the schedules. Tender document will be comprising with the followings:

- i. Tender Notice
- ii. Memorandum
- iii. Special Terms and Conditions
- iv. Schedule of work (BOQ).

3. SUBMISSION OF TENDER

The qualified mini contractors under this Instruction shall submit the tenders in the Tender-Box of the PBS. Tenders will be received within the stipulated time and date. The contractor will sign each and every page of the Tender Document; otherwise the submitted tender will be treated as non-responsive and cancelled.

4. EARNEST MONEY

Each Tender must be accompanied by earnest money, in the form of Bank Draft/pay order, from any scheduled Bank of Bangladesh in favor of the Senior General Manager/General Manager of the respective PBS, in an amount so fixed by the PBSs (as per guide line of PPR). It will be held as guarantee of the Tenderer/Bidder, against their future work performance Tenders without requisite amount of Earnest Money will be treated as canceled. The Earnest Money will be returned to the unsuccessful / non-responsive Tenderers. However earnest money submitted by the Tender whose Tender is responsive shall be retained until the tender is finally accepted.

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5. RECEIPT OF TENDER

Tender Receipt/Opening Committee will be formed before tender receipt/opening. One member of TEC (Tender Evaluation Committee) will be included in Tender Receipt/Opening Committee. No tender/ bid shall be received after specified date and time. Time shall be followed of Bangladesh Betar.

6. OPENING OF TENDER

Tenders will be opened by the members of the Tender Opening Committee on the date and time fixed for that purpose in presence of the tenderers/contractors, (if any). All members of the Tender Opening Committee will sign on the submitted tender documents. Tender opening sheet will also be signed by Tender Opening Committee and Tenderers/Contractors (if any).

7. TENDER EVALUATION COMMITTEE

The Tender Evaluation Committee (TEC) will be formed, comprising of the following PBS Personnel:

- i. Deputy General Manager, (HQ-Tech)/Senior most DGM in the absence of DGM(Tech-HQ). Senior most AGM in the absence of DGM.
- ii. Assistant General Manager (E&C)/ Assistant General Manager (O&M) Member Secretary
- iii. Assistant General Manager (Finance).

Apart from those (02(Two) members will be included in TEC (other than line ministry) from other Institutions/ Organization. Deputy General Manager (HQ-Tech) Senior most DGM / Senior AGM will be the Chairman of the committee. This Committee has to be approved by the Samity Board. At least one member of other Institution/ Organization must be present at the time of evaluation.

8. ACCEPTANCE OF TENDERS

- i. Members of the Tender Evaluation Committee will meet to evaluate the tenders and will place their evaluation report to PE (Procuring Entity).
- ii. On the basis of evaluation report of the TEC, PE (PBS Senior General Manager/General

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Manager) may accept lowest responsive Tender.

iii. In case of single Tender, samity Board shall take the final decision as deems fit and proper depending on the exigencies of the work.

9. ISSUE OF LETTER OF INTENT

The letter of intent shall be prepared (as per approved sample Annexure-4) and issued to the bidder for whom approval has been given by approving authority.

10. AWARDING WORK ORDER

The work order will be issued to the selected contractor upon acceptance of terms and conditions as specified in the Letter of intent and execution of "Form-of-Agreement" (Annexure-2). The work order to be prepared as per approved sample (Annexure-5) should conform to approved work order procedure.

11. SIGNING OF CONTRACT OF AGREEMENT

(a) PBS and awarded contractor shall execute a contract, listing only essential details in light of prevalent General Terms and Conditions of work to be performed. The format for such Contract shall be approved by PBS Board.

(b) At the time of executing the contract of Agreement, the awarded contractor must deposit a security money, in the form of a Bank-Draft/Pay order, from any scheduled Bank of Bangladesh in favor of Senior General Manager/General Manager of the PBS, in an amount equal to 2 to 3 percent of the estimated construction cost for the assigned work order as a guarantee of work performance. The awarded contractor may also option to convert the earnest money as security money and request the PBS accordingly. This performance Guarantee deposit is refundable upon completion of the assigned work subject to expiry of a minimum of 90 days after the date of the close-out of the respective work order.

H. ISSUE OF CONSTRUCTION MATERIALS & TOOLS

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The assigned contractor will submit requisition for all materials to be required in construction for the assigned work-order through warehouse issue voucher to the Assistant General Manager (E&C/O&M). He/ She shall check material requisition request with the units listed on the issued Staking-Sheets, and if requested quantities of materials conform with the staking-sheet, construction-unit-tabulation. The requisition shall be certified by him/her and be placed to the store-keeper for issuing all relevant materials to the assigned contractor, through concerned Store-in-charge.

1. Upon receipt of the approved requisition, by Store-in-charge, the Store-Keeper shall issue listed material/ items available, relevant to the Work-Order from existing materials stores. The contractor will duly sign the issue voucher on receipt of such construction materials.
2. Tools those are not available in Bangladesh market may be provided to the selected contractor on rental basis against a specified and assigned work-order for a period not exceeding 10 (ten) days for any given work. The rent of such tools shall be determined time to time by BREB authority.
3. PBS Tractor/pick-up if available may also be provided on rental basis, to carry and deliver heavy materials/ equipment, line-poles, conductors and Transformers to nearest possible point of the work-site.

I. INSPECTION AND CLOSEOUT PROCEDURE

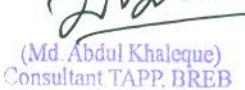
1. Upon completion of works, contractor will furnish BREB Form No. 342A (Revised) in 5 (five) copies requesting the PBS consultant for closing the work order. Preparation of As-built Staking sheet, joint inspection, signing of as-built staking sheet, energization of line, consumption of materials shall be completed according to PBS instruction No. 100-13 and 100-20 for all the staking lot issued for construction under the concerned work order. The PBS Consultant will forward 2 (two) copies of BREB Form No. 342A to Senior General Manager /General Manager and send back 1 (one) copy to contractor retaining 1 (one) copy for his official record within 4 (four) days from receiving such request. The PBS Consultant will also send as-built staking sheet (BREB Form No. 348) which should be checked jointly during joint inspection and be signed on each sheet by the authorized representative of the contractor & the

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PBS as their acceptance of the record. Approval of additional work will be given by the HOPE (Sr. GM/GM) in advance of last date of work order.

2. Senior General Manager/General Manager will approve As-built staking sheet Form No. 348 and advise the consultant to complete BREB Form 350 and 350A. He/ She will also instruct Store-in-charge to complete the statement of issuance and return materials (BREB Form No. 552A, 552B & 552C) in a summarize form within 3 (three) days.
3. After receiving the statement of materials from Store-in-Charge, the consultant will forward BREB Form No. 350 and 350A to contractor. The contractor may check and verify the records with the BREB Form No. 350 and 350A and may raise claim if any discrepancy exists in this regard. After settling discrepancy (if any) the contractor will forward BREB Form No. 350 and 350A to the Senior General Manager/ General Manager of PBS for approval.
4. After approval the BREB Form No. 350 and 350A, the Senior General Manager/ General Manager of PBS will send the same to the Consultant for compilation of all lots and forms required for closing-out the work order and for printing the same in 8(eight) copies. Approved samples of close-out forms are enclosed in PBS Instruction No. 100-13, also enclosed with this instruction at the end.
5. Further work order will not be issued to the contractor until and unless previous work order is closed.

J. RATES AND METHODS OF PAYMENT TO THE MINI-CONTRACTORS:

1. Line construction contractors shall be paid as per contract;
2. Payment to the contractor shall be made in two (2) stages. The PBS shall accept invoice/bill after completion more than 50(fifty) % of all construction units relative to the staking sheets of the concerned work order. Front loading issue (if any) shall be strictly considered before made first payment. The second and final invoice/ bill shall be paid to the contractor only upon full completion of the total work related to the applicable work

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order and after approval of close-out document by the competent authority.

3. Each Invoice/Bill submitted for payment must be accompanied with a list of all construction units completed, which must be certified by the Local Electrical Consultant and the concerned AGM (E&C) or AGM (O&M) of the PBS. The Invoice/ Bill will be paid as per approved payment procedures of the PBS within 7 (Seven) days of receipt of invoice/bill upon the approval of Senior General Manager /General Manager of PBS. No security Money will be deducted from such Invoice/Bills. However no Invoice/Bills will be paid, while the Contractor is in default in respect of any provision of the Contract work-order.
4. The contractor shall be responsible for all materials issued against assigned work-orders and specially be liable for any shortage of materials found in close out documents. The cost of such shortage materials shall be deducted as mentioned in Tender Document from the second and final invoice Bill.
5. No work-order shall be awarded for construction/ rehabilitation of electric overhead distribution line facilities; the work-order value shall not exceed Tk.5,00,000/- (five) Lac
6. The time period of such work-orders shall be 2(Two) months, including completion of closeout formalities. The Senior General Manager/ General Manager of the PBS will approve the time extension up to 2(two) month over the stipulated work-order time period and the concerned Superintending Engineer (Zonal) will approve the time extension beyond 2(two) months, if it deems necessary and justifiable.

K. APPROVAL OF ADDITIONAL WORK

1. Variation of additional work upto 15% of the work order value, approving authority is concern Senior General Manager/General Manager of the PBS.
2. If the Variation of additional work above 15% and upto 50%, approving authority will be Superintending Engineer of concern zone.

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L. ENERGIZATION

Each newly constructed/rehabilitated electrical network system facilities shall be properly inspected by the PBS consultant to ensure its quality consistent with the standard specification PBS Instruction No. 100-21, 100-28, 100-45, 100-70, 100-77. The constructed / rehabilitated electrical facility will be energized following PBS instruction 100-20.

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(Annexure-1)

পল্লী বিদ্যুৎ সমিতি

দরপত্র বিজ্ঞপ্তি

১॥ পবিস ----- এর তালিকাভূক্ত ছায়ী পূর্বযোগ্যতাপ্রাপ্ত মিনি টিকাদারী প্রতিষ্ঠান এর নিকট হতে পবিস নির্দেশিকা ১০০-৪১ এর আওতায় ----- কিমিঃ অথবা -----
----- (-----) টাকা মাত্র (যা আগে আসে) নতুন
বিদ্যুৎ লাইন নির্মান, পোল স্থান্তর, লাইন রক্ষণাবেক্ষণ, ফিডারের লোড ব্যালেন্সিং, ট্রান্সফরমার ও অন্যান্য ইকুইপমেন্ট
আপহোড়ি/ অপসারণ প্রভৃতি কাজের জন্য নিম্নলিখিত শর্ত সাপেক্ষে সীলনোহরকৃত খামে দরপত্র আহবান করা যাচ্ছে।

২॥ দরপত্রের বিবরণঃ

কিমিঃ নতুন বিদ্যুৎ লাইন নির্মান, পোল স্থান্তর, লাইন রক্ষণাবেক্ষণ, ফিডারের লোড
ব্যালেন্সিং, ট্রান্সফরমার ও অন্যান্য ইকুইপমেন্ট আপহোড়ি/ অপসারণ প্রভৃতি কাজ।

ক্রঃ নং	দরপত্র দলিলের (প্যাকেজ) নম্বর	কাজের বিস্তারিত বিবরণ	প্রাকলিত মূল্য	আনেক্ষ মানির পরিমাণ (টাকা)	কাজের মেয়াদ	দরপত্র দলিলের বিক্রয় মূল্য (অফেরৎযোগ্য)
০১						
০২						

৩॥ দরপত্র দলিল অতি সমিতির ----- শাখা থেকে ----- খ্রি: তারিখ
পর্যন্ত অফিস চলাকালীন নিজস্ব লেটারহেড প্যাডে আবেদন পূর্বক সমিতির অনুকূলে ----- টাকা নগদ জমা
প্রদান সাপেক্ষে জরু করা যাবে।

৪॥ পবিস নির্দেশিকা ১০০-৪১ অনুযায়ী প্রতিটি দরপত্র প্রাকলিত মূল্যের সমদরে অথবা সর্বোচ্চ ----- % নিম্ন দরে
দাখিল করা যাবে।

৫॥ প্রতিটি দরপত্র দাখিলের সময় বর্ণিত আনেক্ষ মানি ----- পল্লী বিদ্যুৎ সমিতি ----- এর অনুকূলে
বাংলাদেশের যে কোন তফসিল ব্যাংক (বাপবিবোর্ড অথবা যে কোন পল্লী বিদ্যুৎ সমিতি কর্তৃক কালো তালিকাভূক্ত ব্যাংক
ব্যৌটি) হতে পে-অর্ডার/ব্যাংক ড্রাফ্ট আকারে জমা দিতে হবে। প্রয়োজনীয় আনেক্ষ মানি ছাড়া দরপত্র বৈধ বলে

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গ্রহণযোগ্য হবে না।

৬॥ দরপত্র আগামী ----- খ্রিঃ বেলা/দুপুর/বিকেল ----- ঘটিকা পর্যন্ত অত্র পরিসরে রাখিত টেন্ডার বাস্তে গ্রহণ করা হবে এবং একই দিন বেলা/দুপুর/বিকেল ----- ঘটিকার সময় উপস্থিত দরদাতাগণের সম্মুখে (যদি কেহ উপস্থিত থাকেন) দরপত্র উন্মুক্তকরণ কমিটি কর্তৃক অত্র দণ্ডে খোলা হবে।

৭॥ উন্মুক্ত দর সরকারী নিয়ম মোতাবেক প্রদেয় মূল্য সংযোজন করসহ উন্মুক্ত বলে বিবেচিত হবে। পৃথকভাবে মূল্য সংযোজন কর উল্লেখ করা হলে সেই দরপত্র গ্রহণযোগ্য হবে না।

৮॥ প্রতিটি দরপত্রের বিপরীতে দক্ষ লোকবল, প্রয়োজনীয় টুলস/যন্ত্রপাতির তালিকা প্রদান করতে হবে। দরপত্রে অংশ গ্রহণকারী প্রতিষ্ঠানের বাপ্পবিবোর্ডের প্রশিক্ষণপ্রাপ্ত পর্যাঙ্গ সংখ্যক সুপারভাইজার ও লাইনম্যানসহ প্রয়োজনীয় লোকবল থাকতে হবে।

৯॥ সর্বনিম্ন দরদাতা প্রতিষ্ঠানের সংখ্যা একধিক হলে সংশ্লিষ্ট দরপত্র মূল্যায়ন কমিটি দরদাতা প্রতিষ্ঠানের প্রতিনিধিদের উপস্থিতিতে (যদি কেহ উপস্থিত থাকেন) লটারীর মাধ্যমে ১ম, ২য় ও ৩য় দরদাতা নির্ধারণ করবেন।

১০॥ সন্তোষজনকভাবে কার্য সম্পাদনের (ক্লোজ-আইটসহ) পর প্রয়োজনীয় সকল দলিলাদিসহ বিল দাখিল করতে হবে। প্রয়োজনীয় পরীক্ষা নিরীক্ষার পর একাউন্ট পেয়ী চেকের মাধ্যমে বিল পরিশোধ করা হবে।

১১॥ ডাকযোগে বা কুরিয়ার সার্ভিসের মাধ্যমে দরপত্র পেরণ করা হবে না। নির্ধারিত তারিখ ও সময়ের পর কোন দরপত্র গ্রহণ করা হবে না।

১২॥ শুধুমাত্র ----- অর্থ বছরের জন্য ছায়া পূর্বযোগ্যতা নবায়নের জন্য আবেদনকারী মিনি ঠিকাদারগণ দরপত্রে অংশ গ্রহণ করতে পারবেন।

১৩॥ ----- অর্থ বছরে ছায়া পূর্বযোগ্যতা নবায়ন করা না হলে কার্যাদেশ প্রদান করা হবে না। সর্বনিম্ন দরদাতা হলেও কার্যাদেশ প্রাপ্তির যোগ্য হিসেবে বিবেচিত হবে না।

১৪॥ কোন কারণ দর্শানো ব্যতিরেকে যে কোন দরপত্র গ্রহণ অথবা বাতিল করার অধিকার কর্তৃপক্ষ সংরক্ষণ করেন।

(-----)

সিনিয়র জেনারেল ম্যনেজার/জেনারেল ম্যনেজার

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অনুলিপি:-

১॥ তত্ত্বাবধায়ক প্রকৌশলী, সংশ্লিষ্ট জোন, বাপুবিবোর্ড, ----- |
২॥ নির্বাহী প্রকৌশলী, সংশ্লিষ্ট পরিস এলাকা, বাপুবিবোর্ড, ----- |
৩॥ ডিজিএম ----- জোনাল অফিস, ----- |
৪॥ রিটেইনার প্রকৌশলী, ----- |
৫॥ এজিএম (ইএন্ডসি/ওএন্ডএম/সদস্যঃসেবা/প্রশাসন/অর্থ) ----- পরিস----- |
৬॥ মেসার্স ----- (অবগতি ও দরপত্রে অংশ গ্রহণের অনুরোধসহ)।
৭॥ নোটিশ বোর্ড ----- |
৮॥ অফিস/ মাষ্টার কপি।

(-----)
সিনিয়র জেনারেল ম্যনেজার/জেনারেল ম্যনেজার

BANGLADESH RURAL ELECTRIFICATION BOARD				
PBS Instruction 100-41: CONSTRUCTION/REHABILITATION OF ELECTRIC FACILITIES BY PBS				
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(Md. Mozibur Rahman)
Consultant TAPP BREB

(Md. Duhidul Islam)
Consultant TAPP BREB

(Md. Mozammel Huq)
Consultant TAPP BREB

(Md. Abdul Khaleque)
Consultant TAPP BREB

৭২১ তম বোর্ড সভায় অনুমোদিত সিদ্ধান্ত নং ১৭৭০০

(Md. Ahsanul Haque)
Consultant TAPP BREB

(Debasish Chakraborty)
PD, TAPP BREB

(Kamrul Ahsan Mollik)
Asst. Secy. (Board), BREB.

**Form of Agreement
"Contract"**

This Contractual Agreement, make and entered into as of the -----day of 20----, between ----- Palli Bidut Samity ----- (hereinafter called the "PBS") and ----- (hereinafter called the "Contractor").

Whereas, the PBS plans to construct certain overhead distribution lines consisting of the following facilities:

Approximately ----- Kms of 11/6.35 KV and lower voltage distribution lines of 3-phase/ 1-phase Electric Lines, including installation of all line hardware and protective equipment, but not limited to only 3-phase and 1-phase distribution transformers, voltage regulators, ACR/OCR'S, disconnections switches, lighting arresters, etc., all within the service area of ----- PBS ---.

Whereas, the Contractor represents that he/she has sufficient experienced personnel and equipment to construct distribution line facilities, and the PBS desires the Contractor to perform the construction services herein described in respect of the system, and

Whereas, the parties herein desire to evidence their agreement for the performance of the of the construction work, at the compensation rates and upon terms and conditions herein set forth.

Now therefore, this agreement witnessed, and the parties hereto agree to the mutual undertakings herein contained as follows:

The Contractor, for and in consideration of payment to be made as hereinafter provided, agrees to supply all labor and necessary line construction equipment required to complete the work described, in strict conformity with the terms and conditions of this agreement, and the following listed documents which are attached hereto, and by this reference made a part thereof. This agreement and all of the following listed documents are hereinafter referred to as the "Contract"

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TAPP BREB


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Asst. Secy. (Board), BREB.

৬২১ তম বোর্ড সভায় অনুমোদিত সিদ্ধান্ত নং ১৭৭০০

and shall be read and construed as part of the Contractual Agreement viz.

(1) Letter of Intent, (2) Security Deposit, (3) General Conditions of Contract, (4) Special conditions of Contract, (5) Work Order, (6) Schedule of Work, (7) Drawings and Specifications, if any.

This Agreement may simultaneously be executed and delivered in two or more counterparts, each of which so executed and delivered shall be deemed to be an original, and all shall constitute but one and the same instrument.

The obligations of the Contractor under the Contractual Agreement shall not be assigned without the approval in writing of the PBS and the concurrence of Bangladesh Rural electrification Board.

For all purpose of the contract, the following address shall be used: Ann
----- Palli Bidyut Samity -----, -----
Contractor -----

In witness whereof, the parties hereto have caused this Contractual Agreement to be duly executed as of ----- days of ----- 20 -----.

----- Palli Bidyut Samity -----, -----
Contractor -----

Ratified by the Sr. General Manager/ General Manager, ----- PBS ----- on ----- 20---

Witness:

1. -----

1. -----

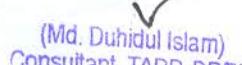
Witness:

2. -----

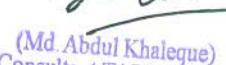
2. -----

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(Md. Mozibur Rahman)
Consultant TAPP BREB

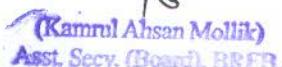

(Md. Duhidul Islam)
Consultant TAPP BREB


(Md. Moshammel Huq)
Consultant, TAPP BREB


(Md. Abdul Khaleque)
Consultant, TAPP BREB


(Md. Ahsanul Haque)
Consultant, TAPP BREB


(Debasish Chakrabortty)
PD, TAPP, BREB

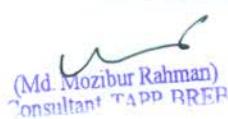

(Kamrul Ahsan Mollik)
Asst. Secy. (Board), BREB

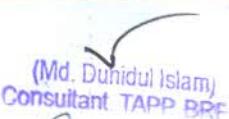
৬২১ তম বোর্ড সমাবস্থ অনুমোদিত সিক্ষাত নং ১৭৭০০

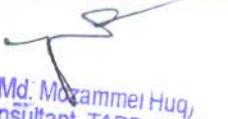
Special Conditions of Contract Agreement

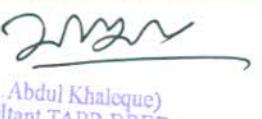
1. All terms and conditions of the Agreement document shall be binding upon each signatory thereto;
2. All drawings and specifications pertaining to the Work Order offer should be examined by the Contractor before accepting same;
3. Rates listed in the Schedule of Construction Units/rates furnished by the contractor in the Tender Documents shall be inclusive of all costs of materials supplied, except materials furnished by the PBS, taxes and duties, octroi and installation of fittings complete, (including clearing, site protection of work, public notice etc.) material storage, water sanitation, lighting etc.
4. Contractor will arrange for all necessary construction tools and equipment, office, godown, housing accommodations required by Contractor personnel all at his/ her own expense;
5. No claim for compensation will be placed against the Palli Bidyut Samity for any accident or loss due to exigencies caused from storm, earthquake, cyclone, fire, theft or etc., and/or due to any fault or negligence arising from the Contractors own actions;
6. The PBS will supply all line construction materials and equipment required, to be incorporated in the system. The Contractor shall supply and maintain all equipment, tools and tackles etc. of required standard as necessary for carrying out of all works to be executed. All such apparatus and equipment for construction shall meet all requirements of laws and safe practices of works applicable thereto;
7. Contractors authorized representative at construction site must have sufficient technical expertise to receive and understand instructions given on technical matters by the AGM(E&C)/ AGM(O&M), and shall be available at the site during the execution of all works;
8. Approved construction schedule is to be rigidly followed by the contractor. When progress lags behind schedule, as shown in the construction schedule, payments to Contractor may be withheld. The PBS reserves the right to add or delete construction assembly units and/or issue change orders relating to any Work Order assigned to the Contractor. The PBS also reserves the right to approve additional works as per guideline of PPR.

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 (Md. Mozibur Rahman)
 Consultant TAPP BREB

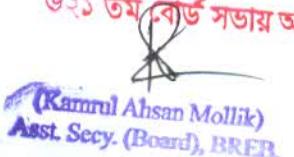

 (Md. Dunidul Islam)
 Consultant TAPP BREB


 (Md. Mozammel Huq,
 Consultant, TAPP BREB)


 (Md. Abdul Khaleque)
 Consultant, TAPP BREB


 (Md. Ahsanul Haque)
 Consultant, TAPP BREB


 (Debasish Chakraborty)
 PP TAPP BREB


 (Kamrul Ahsan Mollik)
 Asst. Secy. (Board), BREB

৬২১ তম বৰ্ষ সভায় অনুমোদিত সিদ্ধান্ত নং ১৭৭০

M/S -----

Subject: Letter of Intent for Electric Line Construction Work within the service area of -----
--- PBS ----- .

Reference: -----

Dear Sir,

With reference to the above ----- Palli Bidyut Samity, is pleased to inform you of the proposed distribution line construction work consisting of approximate ----- Kms. of 11/6.35 KV line. Based on the currently approved schedule of Electrical System Construction Unit price list/your tender for construction of the aforesaid electrical facilities at% below the estimated rate. Contract price will be Tk. ----- (-----).

The Samity is pleased to offer your firm the opportunity to perform the electrical system facilities construction work provided you will agree to fulfill the following requirements:

- You must agree to deposit in form of Bank Draft/Pay Order, from any scheduled Bank of Bangladesh in favor of Senior General Manager/ General Manager PBS....., an amount equal to two and one half percent (2.5%) of the Quoted price Contractor furnished layout cost. Such deposit shall be due and payable at the time of signing the Form of Agreement Contract. The deposit will be held as guarantee of work performance, and will be refunded upon satisfactory completion of total assigned work related to the contract.
- You must also agree to commence the electrical system construction work within days from date of issue of work-order Notification, and further agree to complete construction of all electrical system facilities within ----- days from the issuance of Work Order.
- You shall provide requisite number of electrical system construction crews exclusively for expediting the work herein above mentioned. In addition you must submit to the Samity, a list of all lineman/ supervisors proposed, to be engaged in this work, supplying the name, qualification and experience of each.

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(Md. Mozibur Rahman)
Consultant TAPP BREB


(Md. Duhidul Islam)
Consultant, TAPP BRF


(Md. Mozammel Huq)
Consultant, TAPP BRF


(Md. Abdul Khaleque)
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(Md. Ahsanul Haque)
Consultant, TAPP BREB


(Debasish Chakraborty)
PD TAPP BREB


(Kamrul Ahsan Mollik)
Asst. Secy. (Board), BREB

৬২১ তম বোর্ড সভায় অনুমোদিত নিকাত নং ১৯৯০০

(d) You will be required to make arrangements for all necessary tools, tackles, and transport essential in completing this work, except stringing blocks, and compression tool, which may be provided by the Samity as per existing rules;

(e) Provided you guarantee and agree to each of the aforesaid requirements, you must confirm in writing, that you can and will mobilize your electrical system construction personnel/equipment, tools, etc. at construction site within days from the date Work Order is issued

(f) Assurance in writing must be given that acceptance of this offer will not impair normal progress of your existing work, if any, with this Samity or any other PBS for which you are providing line construction services.

Acceptance of this Letter of Intent and preparations for immediate actions to fulfill the aforesaid requirements must be confirmed in writing no later than , failing receipt of such confirmation within the specified period will automatically cancel the Letter of Intent

The formal work-order will be issued only after compliance of the aforesaid requirements have been completed.

Yours faithfully

Senior General Manager/ General Manager

PBS -----

Copy to:

1. Superintending Engineer, Concern Zone, BREB.
2. Director, (PBS Monitoring and Management Operation), BREB.
3. Executive Engineer, Concerned, BREB.
4. Retainer Consultant, M/S -----.

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PD. TAPP BREB

(Kamrul Ahsan Mollik)
Asst. Secy. (Board), BREB.

৬২১ তম বোর্ড সভায় অনুমোদিত শিক্ষাপত্র নং ১৭৭০০

NOTIFICATION OF AWARD (NOA)

M/S -----

Subject: Work Order of ----- Km of electric system facilities.

Reference: -----

Dear Sir,

We are pleased to inform you that the construction Work Order for the above mentioned electric system facilities are hereby awarded to your firm. Compensation for the kilometers of electrical system construction work to be completed under this Work Order will be payable as per the currently approved standard Rate Schedule of Construction Units rate/your quoted rates of % below the estimated amount of Tk. ----- (Taka: -----).

The estimated labor and equipment compensation your construction firm will receive upon completion of the Work Order and finalization of close-out procedures shall amount to approximately Tk. ----- (Taka -----), provided the following terms and conditions are upheld:

- You must execute the Form of Agreement "Contract" in duplicate and fulfill all stipulations thereof within.....days of issuance of the work order. Non-execution of the Form of Agreement or failure to comply with any conditions thereto, within time allotted will be due cause for cancellation of the Work Order;
- Construction Work must begin within days of the issue of this Work Order and you guarantee completion of all work pertaining thereto within maximum of days. Extension of time related to this sub-section will be allowed only upon genuine grounds;
- You will maintain liaison with the PBS Consultant for assistance and clarification of all technical matters relative to the Work Order.

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(Md. Monzur Rahman)
Consultant TAPP BREB

(Md. Dulfidul Islam)
Consultant TAPP BREB

(Md. Mozammel Huq,
Consultant TAPP BREB)

(Md. Abdul Khaleque)
Consultant TAPP BREB

৬২১ তম বোর্ড সভায় অনুমোদিত সিক্ষাত নং ১৭৭০০

(Md. Ahsanul Haque,
Consultant TAPP BREB)

(Debasish Chakraborty)
PD TAPP BREB

(Kamrul Ahsan Mollik)
Asst. Secy. (Board), BREB

(d) Your contact for all necessary assistance in executing the work shall be performed under this Work Order by the AGM(E&C)/AGM(O&M). The AGM(E&C)/AGM(O&M) will be responsible for control function of managing the construction;

(e) All bills presented for payment relative to construction completed under the Work Order must be identified by the W/O No. -----.

(f) Your participation in the PBS Work Order close-out procedure for construction contract of electrical system facilities will be obligatory;

(g) Arrangement for all necessary tools, tackles, and transport required in completing this work, except stringing blocks and compression tool, which may be provided by the PBS as per existing rules, will be responsibility of the construction firm;

Please note that each page of the Work Order has been signed by the undersigned.

Yours faithfully

Senior General Manager/ General Manager

PBS -----

Copy to:

1. Superintending Engineer, Concern Zone, BREB.
2. Director, (PBS Monitoring and Management Operation), BREB.
3. Executive Engineer, Concerned, BREB.
4. AGM(E&C/O&M/MS/Fin, ----- PBS -----.
5. Store Keeper, ----- PBS -----.
6. Retainer Consultant, M/S -----.

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৬২১ তম বোর্ড সভায় অনুমোদিত সিদ্ধান্ত নং ১৭৭০০

(Debasish Chakraborty)
PD, TAPP, BREB.

(Kamrul Ahsan Mollik)
Asst. Secy. (Board), BREB.

(Md. Ahsanul Haque)
Consultant, TAPP, BREB.

**Schedule of Electric Line Construction Units
Bill of Quantity (BOQ)**

PBS Name: -----

(Unit rate will be inserted as per BREB approved rate schedule for every section)

Section- 1.1.1 DISMANTILING & CARRYING OF POLE UNITS

This unit consists of removal & carrying of existing poles in undamaged condition including excavation of earth, uprooting the pole with ground wire if any, back filling & ramming the excavated soil. Any addition soil required for back filling shall be supplied by the contractor at his/ her own expenses. Complete list of materials so recovered are to be made and all materials carried & deposited to the designated BREB/PBS store.

Unit Designation/ Description	Quantity	Unit	Unit Rate (BDT)	Total Amount (BDT)
Wooden/ Steel Pole 25'		Each		
Wooden/ Steel Pole 30'		Each		
Wooden/ Steel Pole 35'		Each		
Wooden/ Steel Pole 40'		Each		
Wooden/ Steel Pole 45'		Each		
Wooden/ Steel Pole 50'		Each		
Wooden/ Steel Pole 60'		Each		
BPDB/BREB Type SPC/Concrete Pole, 25'		Each		
BPDB/BREB Type SPC/Concrete Pole, 30'		Each		
BPDB/BREB Type SPC/Concrete Pole, 35'		Each		
BPDB/BREB Type SPC/Concrete Pole, 40'		Each		
BPDB/BREB Type SPC/Concrete Pole, 45'		Each		
BPDB/BREB Type SPC/Concrete Pole, 50'		Each		
BPDB/BREB Type SPC/Concrete Pole, 60'		Each		
Sub-Total				

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৬২১ তম বোর্ড সভার অনুমোদিত সিদ্ধান্ত নং ১৭৭০০

Section- 1.2.1 WOODEN/ STEEL POLES UNITS

A Wooden/ Steel pole unit consists of installation of one pole, receiving from BREB/ PBS store, hauling, hole digging, erecting and back filling. The first two digits indicate the length of pole and the third digit shows the classification as per A.S.S (Example- 35'-5, It means pole length is 35' and pole class is 5)

Unit Designation/ Description	Quantity	Unit	Unit Rate (BDT)	Total Amount (BDT)
Wooden/ Steel Pole 25'-7		Each		
Wooden/ Steel Pole 30'-6		Each		
Wooden/ Steel Pole 30'-5		Each		
Wooden/ Steel Pole 35'-6		Each		
Wooden/ Steel Pole 35'-5		Each		
Wooden/ Steel Pole 40'-5		Each		
Wooden/ Steel Pole 40'-4		Each		
Wooden/ Steel Pole 45'-5		Each		
Wooden/ Steel Pole 45'-4		Each		
Wooden/ Steel Pole 50'-4		Each		
Wooden/ Steel Pole 50'-3		Each		
Wooden/ Steel Pole 60'-3		Each		
Wooden/ Steel Pole 60'-2		Each		
Sub-Total				

Section- 1.2.2 BPDB/ BREB SPC/ CONCRETE POLES UNITS

A BPDB/ BREB type SPC/ Concrete pole unit consists of installation of one pole, receiving from BREB/ PBS store, hauling, hole digging, erecting and back filling. The first two digits indicate the length of pole and the third digit shows the classification as per A.S.S (Example- 35'-5, It means pole length is 35' and pole class is 5)

BANGLADESH RURAL ELECTRIFICATION BOARD				
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Consultant TAPP BREB


(Md. Mozammei Huq,
Consultant TAPP BREB)


(Md. Abdul Khaleque)
Consultant TAPP BREB

৬২১ তম বোর্ড সভায় অনুমোদিত মোট পৰিমাণ ট. ১২৯৯০০


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PD, TAPP, BREB


(Kamrul Ahsan Mollik)
Ast. Secy. (Board), BREB.

Unit Designation/ Description	Quantity	Unit	Unit Rate (BDT)	Total Amount (BDT)
BPDB/ BREB SPC/ Concrete pole 25'-7		Each		
BPDB/ BREB SPC/ Concrete pole 30'-6		Each		
BPDB/ BREB SPC/ Concrete pole 30'-5		Each		
BPDB/ BREB SPC/ Concrete pole 35'-6		Each		
BPDB/ BREB SPC/ Concrete pole 35'-5		Each		
BPDB/ BREB SPC/ Concrete pole 40'-5		Each		
BPDB/ BREB SPC/ Concrete pole 40'-4		Each		
BPDB/ BREB SPC/ Concrete pole 45'-5		Each		
BPDB/ BREB SPC/ Concrete pole 45'-4		Each		
BPDB/ BREB SPC/ Concrete pole 50'-4		Each		
BPDB/ BREB SPC/ Concrete pole 50'-3		Each		
BPDB/ BREB SPC/ Concrete pole 60'-3		Each		
BPDB/ BREB SPC/ Concrete pole 60'-2		Each		
Sub-Total				

Section- 1.3 DISMANTLING & RE-INSTALLATION OF POLES UNITS

This unit consists of complete removal of pole from BREB/ PBS existing/ working (Due to change order) line. This item includes removal of nut-bolt, pole top fittings etc. & backfilling of the hole. Complete list of materials so recovered are to be made and all materials are to re-installed within PBS area as per instruction of the Engineer in Charge.

Unit Designation/ Description	Quantity	Unit	Unit Rate (BDT)	Total Amount (BDT)
Wooden/ Steel Pole 25'		Each		
Wooden/ Steel Pole 30'		Each		
Wooden/ Steel Pole 35'		Each		
Wooden/ Steel Pole 40'		Each		
Wooden/ Steel Pole 45'		Each		
Wooden/ Steel Pole 50'		Each		
Wooden/ Steel Pole 60'		Each		

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৬২১ তম বোর্ড সভায় অনুমোদিত সিদ্ধান্ত নং ১৯৭০

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BPDB/BREB SPC/Concrete Pole, 25'	Each	
BPDB/BREB SPC/Concrete Pole, 30'	Each	
BPDB/BREB SPC/Concrete Pole, 35'	Each	
BPDB/BREB SPC/Concrete Pole, 40'	Each	
BPDB/BREB SPC/Concrete Pole, 45'	Each	
BPDB/BREB SPC/Concrete Pole, 50'	Each	
BPDB/BREB SPC/Concrete Pole, 60'	Each	
Sub-Total		

Section- 1.10(C): NUMBERING OF POLES

ইউনিটের আওতায় কী-পোল (কটগ চওখট) অথবা অন্য যে কোন পোলে নাম্বারিং। নাম্বারিং এর সকল প্রকার মালামাল ঠিকাদার কর্তৃক সরবরাহ করা হবে, যা ইউনিটের অঙ্গভূক্ত। পোল নম্বর প্লেট কম্পুটারের সাহায্যে 250° (ডিগ্রী) সেন্টিমিটের তাপমাত্রায় কোটেট সাদা এলুমিনিয়াম প্লেট/শীটের উপর $25(+/-)$ মিমি উচ্চতার লাল অক্ষরের হিট প্রিটেড হবে। পোল নম্বর প্লেটের পুরুত্ব হবে 0.035 মিমি হতে 0.045 মিমি পর্যন্ত। প্রস্তুত হবে 38 মিমি। পোল নম্বর প্লেটে সাধারণত এক লাইনে লিখা হবে তবে প্রয়োজনে দুই বা তিন লাইনও হতে পারে এবং এক্ষেত্রে লেটার সাইজের সাথে সামঞ্জস্য রেখে আনুগাতিকভাবে প্রস্তুত বৃক্ষি পাবে। দৈর্ঘ্য হবে $18(+/-)$ ইঞ্চি অথবা প্রয়োজন অন্যায়ী, তবে 12 ইঞ্চির কম বা 24 ইঞ্চির বেশি হবে না। পোলের সাথে আটকানোর জন্য পোল নম্বর প্লেটে 2.5 মিমি ব্যাসের 8 (আট) টি পার্শ্বকৃত ছিদ্র থাকবে। এই 8 টি ছিদ্রের অবস্থান হবে ৪টি চার কর্ণারে, 2 টি প্লেটের উপরের সাইডের মাঝখান হতে 1 ইঞ্চি বামে 1 টি এবং 1 ইঞ্চি ডানে 1 টি। অবশিষ্ট 2 টি পোল নম্বর প্লেটের নিচের সাইডে মাঝখান হতে 1 ইঞ্চি বামে 1 টি এবং 1 ইঞ্চি ডানে 1 টি।

ছিদ্রগুলোর এলাইনমেন্ট এমনভাবে হবে যেন উপরের 8 টি ছিদ্র এক লাইনে এবং নিচের অপর 8 টি ছিদ্র অপর এক লাইনে অবস্থান করে। কাঠের পোলে টেইলমেসে স্টিল পেরেক দ্বারা এবং অন্য যে কোন ধরণের পোলে কগারের খেই বিশিষ্ট $1.5(+/-)$ মিমি অথবা দুই খেই বিশিষ্ট $0.75(+/-)$ মিমি ব্যাসের তার দ্বারা $15(+/-)$ ফুট উচ্চতায় বেঁধে পোল নম্বর প্লেট স্থাপন করতে হবে।

Unit Designation/ Description	Quantity	Unit	Unit Rate (BDT)	Total Amount (BDT)
Numbering of Wooden Pole by aluminum Sheet		Each		
Numbering of Steel, SPC, RCC Pole with black paint on yellow base		Each		
Sub-Total				

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৬২১ তম বোর্ড সভায় অনুমোদিত সিদ্ধান্ত নং ১৭৭০০

Section- 2.3: DISMANTLING & RE-INSTALLATION OF ANCHOR UNITS

A unit consists of complete removal of Anchor from BREB/ PBS existing/ working (Due to change order) line. This item includes dismantling of Anchor rod, anchor log, washer etc. & backfilling the same. Complete list of materials so recovered are to be made and all materials are to re-installed within PBS area as per instruction of the Engineer in Charge.

Unit Designation/ Description	Quantity	Unit	Unit Rate (BDT)	Total Amount (BDT)
Any anchor unit with 3.5' log (Single) including anchor rod, washer and back filling.		Each		
Any anchor unit with 6.0' log (Single) including anchor rod, washer and back filling.		Each		
Sub-Total				

Section- 2.10: GUY ASSEMBLY UNITS

A guy assemble unit consists of complete installation of one guy assemble unit, receiving materials from BREB/ PBS store, hauling, assembling, tensioning of the hardware & guy wire and guy insulator where necessary. An overhead guy assembly unit does not include the associated pole and down guy, Guy guards are designated separately.

Unit Designation/ Description	Quantity	Unit	Unit Rate (BDT)	Total Amount (BDT)
E1-1		Each		
E1-2		Each		
E1-3		Each		
E2-1		Each		
E2-2		Each		
E2-3		Each		
E3-2		Each		

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E3-3		Each		
E4-2		Each		
E4-3		Each		
E5-1		Each		
E5-2		Each		
E6-1		Each		
E6-2		Each		
E6-3		Each		
Sub-Total				

Section- 2.11: ANCHOR ASSEMBLY UNITS

An anchor assemble unit consists of complete installation of one anchor assemble unit, receiving materials from BREB/ PBS store, hauling, digging, assembling and backfilling of an anchor, ready for attaching the guy wire.

Unit Designation/ Description	Quantity	Unit	Unit Rate (BDT)	Total Amount (BDT)
F2-1		Each		
F2-2		Each		
Sub-Total				

Section-2.12: DISMANTLING & CARRYING OF EXISTING GUY ASSEMBLY UNITS

The unit consists of unbinding, dismantling and carrying of hardware, guy wire and guy insulator where necessary. Should be guy (in case of overhead guy) include a separate pole that shall also be recovered. Recovery of such a pole will be included under dismantling of poles. Complete list of materials so recovered shall be prepared, all materials are to be carried and deposited to the designated BREB/ PBS store. Materials are to be staked properly as per direction of the Engineer in Charge.

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Unit Designation/ Description	Quantity	Unit	Unit Rate (BDT)	Total Amount (BDT)
Any guy assembly unit under PBS Instruction 100-28, 100-45 & 100-70, 100-77		Each		
Sub-Total				

Section-2.13: DISMANTLING & CARRYING OF EXISTING ANCHOR ASSEMBLY UNITS

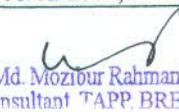
The unit consists of removal and carrying of existing anchor assemble unit in undamaged condition including excavation of earth for uprooting of the anchor with the rod and backfilling & ramming of the excavated soil. Any additional soil required for backfilling shall be supplied by the contractor at his/ her own expenses. Complete list of materials so recovered are to be made and all materials carried & deposited to the designated BREB/ PBS store and staked properly as per direction of the Engineer in Charge.

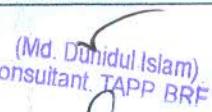
Unit Designation/ Description	Quantity	Unit	Unit Rate (BDT)	Total Amount (BDT)
Any anchor assembly unit under PBS Instruction 100-28, 100-45 & 100-70, 100-77		Each		
Sub-Total				

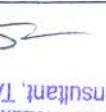
Section- 2.14: DISMANTLING & RE-INSTALLATION OF GUY UNITS

A guy assembly unit consists of the dismantling from BREB/ PBS existing/ working (Due to change order) line and reinstallation including hauling, assembling and tensioning of hardware and guy wire and insulator where necessary. An overhead guy assembly unit does not include the associated pole and down guy, each of which listed separately. Guy guards are designated separately.

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Unit Designation/ Description	Quantity	Unit	Unit Rate (BDT)	Total Amount (BDT)
Any guy assembly unit under PBS Instruction 100-28, 100-45 & 100-70, 100-77		Each		
Sub-Total				

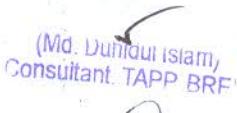
Section- 4.8: POLE TOP ASSEMBLY UNITS (SINGLE PHASE)

A pole top assembly unit consists of installation including receiving of materials from BREB/ PBS store, hauling, assembling of hardware, cross arms (if needed) and their accessories, insulators etc. except tie wire required to support the primary conductors.

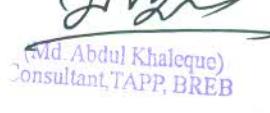
Unit Designation/ Description	Quantity	Unit	Unit Rate (BDT)	Total Amount (BDT)
A1		Each		
A1-1		Each		
A2		Each		
A3		Each		
A5, A5A, A5B		Each		
A5-1		Each		
A5-2		Each		
A5-2A		Each		
A5-3		Each		
A5-4		Each		
A6		Each		
A7		Each		
A7-1		Each		
A8		Each		
A9		Each		
A9-1		Each		
A22		Each		
Sub-Total				

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৬২১ তম বোর্ড সভায় অনুমোদিত পরিকল্পনা নং ১৭৭০০

Section- 4.9: POLE TOP ASSEMBLY UNITS (THREE PHASE)

A pole top assembly unit consists of installation including receiving of materials from BREB/ PBS store, hauling, assembling of hardware, cross arms (if needed) and their accessories, insulators etc. except tie wire required to support the primary conductors.

Unit Designation/ Description	Quantity	Unit	Unit Rate (BDT)	Total Amount (BDT)
C1		Each		
C1-1		Each		
C2, C2-2		Each		
C3		Each		
C3-1		Each		
C4, C4-1		Each		
C5, C5-1		Each		
C7, C7-2		Each		
C7-1, C7-3		Each		
C8		Each		
C8-1		Each		
C9		Each		
C9-1		Each		
C13		Each		
C14		Each		
C22		Each		
C23		Each		
C25		Each		
C26		Each		
T1		Each		
T8		Each		
Sub-Total				

Section- 4.10: SECONDARY ASSEMBLY UNITS

A secondary assembly unit consists of installation including receiving of materials from

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BREB/ PBS store, hauling, assembling of hardware, insulators etc. to support the secondary or cable. It does not include the installation of secondary service conductors or cable.

Unit Designation/ Description	Quantity	Unit	Unit Rate (BDT)	Total Amount (BDT)
J5, J5A		Each		
J6		Each		
J6A		Each		
J7		Each		
J8		Each		
J10, J10A		Each		
J12		Each		
J14		Each		
J15		Each		
J16		Each		
Sub-Total				

Section- 4.11: SECONDARY SERVICE ASSEMBLY UNITS

A secondary service assembly unit consists of installation including receiving of materials from BREB/ PBS store, hauling, assembling, mounting on pole of hardware, insulators etc. to support the secondary or cable. It does not include the installation of secondary service conductors or cable.

Unit Designation/ Description	Quantity	Unit	Unit Rate (BDT)	Total Amount (BDT)
K10		Each		
K11		Each		
K13		Each		
K14		Each		
K15		Each		
K16		Each		

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K17		Each		
K18		Each		
K19		Each		
K20		Each		
K21		Each		
Sub-Total				

Section- 4.12: DISMANTLING & CARRYING OF POLE TOP ASSEMBLY UNITS

This unit consists of removal of pole top unit fitted on the existing poles including dismantling of hardware, cross arm and their accessories, insulators etc. complete list of all materials so recovered shall be prepared & all materials are to be carried and deposited in BREB/ PBS store and staked as per direction of Engineer in charge.

Unit Designation/ Description	Quantity	Unit	Unit Rate (BDT)	Total Amount (BDT)
Any single phase pole top under PBS instruction 100-28		Each		
Any three phase pole top under PBS instruction 100-28, 100-45 & 100-70, 100-77		Each		
Dismantling & Carrying of any J or K unit		Each		
Sub-Total				

Section-4.13: DISMANTLING & RE-INSTALLATION OF HT, LT POLE TOP UNITS

This unit consists of removal of HT & LT pole top unit from BREB/PBS existing/working (Due to change order) line. This item includes nut- bolts etc. & make new holes in the pole if necessary. Complete list of materials are to be made and all materials are to be re-installed within the PBS area as per instruction of Engineer in charge,

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Unit Designation/ Description	Quantity	Unit	Unit Rate (BDT)	Total Amount (BDT)
Any HT single phase unit including cross arm, insulators, pins etc.		Each		
Any HT three phase unit including cross arm, insulators, pins etc.		Each		
Any J (secondary assembly) unit or K (Secondary service assembly) unit		Each		
Sub-Total				

Section-5.4: DISMANTLING & CARRYING OF EXISTING OVERHEAD LINE CONDUCTOR ASSEMBLY UNITS

This unit consists of complete removal 100 meter existing line conductor. The temporary guying of section, if necessary, unbinding & un-armoring of conductor, lowering of conductor to the ground level without any physical injury, reeling of conductor & removal of the temporary guys etc.. Complete list of materials so recovered are made & all materials are to be carried and deposited to the designated BREB/ PBS store and staked as per direction of the Engineer in charge.

Unit Designation/ Description	Quantity	Unit	Unit Rate (BDT)	Total Amount (BDT)
477 MCM, 4/0 ACSR Insulated (D-62)		Km		
4/0 ACSR (Bare), 1/0 Quadruplex		Km		
1/0 ACSR (Bare)		Km		
# 3 ACSR (Bare)		Km		
6 Duplex		Km		
3 Duplex		Km		
3 Quadruplex		Km		
6 Quadruplex		Km		
Sub-Total				

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Section-5.5: CONDUCTOR ASSEMBLY UNITS

Conductor assembly unit consists of the installation including material receiving from BREB/ PBS store, hauling, unreeling, stringing, temporary guying, tensioning of 100 meter of conductor or cable of primaries or secondaries on poles not carrying primary line is included with the conductor assembly units and shall be performed in accordance with direction of the board in computing the compensation to the contractor for conductor supports or pole stakes shall be used. The conductor or cables size and types listed are the manufacturers designation.

Unit Designation/ Description	Quantity	Unit	Unit Rate (BDT)	Total Amount (BDT)
Marline		Km		
477 MCM		Km		
4/0 ACSR		Km		
1/0 ACSR		Km		
# 3 ACSR		Km		
2 AAAC		Km		
6 Duplex		Km		
3 Duplex		Km		
6 Quardduplex		Km		
3 Quardduplex		Km		
1/0 Quardduplex		Km		
Sub-Total				

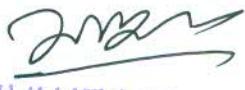
Section-5.7: DISMANTLING & RE-INSTALLATION OF CONDUCTOR UNITS

Conductor assembly unit consists of dismantling the BREB/ PBS existing/ working (Due to change order) lines & re-installation including dismantling from the line hauling unreeling stringing temporary guying and tensioning of 100 meter of conductor or cable of primaries or secondaries and includes the installation of tie wires splicing sleeves armor rod or tape required, tree trimming necessary for installing secondaries on poles not carrying primary line is included with the conductor assembly unit & shall be performed in accordance with direction of the board. In computing the compensation to the contractor for conductor supports or pole stakes shall be used. The conductor or cable size & types listed are the manufacturers designation.

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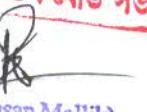

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Unit Designation/ Description	Quantity	Unit	Unit Rate (BDT)	Total Amount (BDT)
4/0 ACSR		Km		
1/0 ACSR		Km		
# 3 ACSR		Km		
2 AAC		Km		
6 Duplex		Km		
3 Duplex		Km		
6 Quadruplex		Km		
3 Quadruplex		Km		
1/0 Quadruplex		Km		
Sub-Total				

Section-6.14: SERVICE ASSEMBLY UNITS

A service assembly unit consists of installation including servicing, hauling, assembling maintaining & stringing hardware conductor, insulators etc. necessary to support the pole on which the secondary (LT is installed to the customer meter point). Only those connection required to support the service drop are to be installed by the contractor. The unit price quoted below is to include the installation of any two (2) units poles the service drop conductor and any or all required tree trimming for insulation.

Unit Designation/ Description	Quantity	Unit	Unit Rate (BDT)	Total Amount (BDT)
Any 2(two) K units, K10 through K20E plus any single phase service drop cable		Each		
Any 2(two) K units, K10 through K20E plus any three phase service drop cable		Each		
Sub-Total				

Section-6.15: MISCELLANEOUS ASSEMBLY UNITS

A miscellaneous assembly unit consists of installation including receiving of materials from

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BREB/ PBS store, hauling, assembling and mounting of an additional unit needed in the project for new line construction but not otherwise listed in the proposal. The section include the installation of grounding assembling, fuse cutout, re-closer, switches, regulators, metering and other assembling units.

Unit Designation/ Description	Quantity	Unit	Unit Rate (BDT)	Total Amount (BDT)
M2-1		Each		
M2-11		Each		
M5-1		Each		
M5-2		Each		
M5-5		Each		
M5-6		Each		
M5-9		Each		
M5-20		Each		
M5-21		Each		
M18-1		Each		
Clamp 8"		Each		
Clamp 10"		Each		
Sub-Total				

Section-6.16: DISMANTLING & CARRYING SERVICE ASSEMBLY UNITS

A service assembly unit consists of installation including servicing, hauling, assembling, maintaining & stringing of the hardware conductor, insulators etc. necessary to support the pole on which the secondary (LT is installed to the consumers meter point). Only those connection to support the service drop are to be installed by the contractor, The unit price quoted below is to include the dismantling of any two (2) K units poles the service drop conductor and any or all required tree trimming for the installation.

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Unit Designation/ Description	Quantity	Unit	Unit Rate (BDT)	Total Amount (BDT)
Dismantling and carrying of single phase service assembly units		Each		
Dismantling and carrying of three phase service assembly units		Each		
Sub-Total				

Section-6.17: DISMANTLING & RE-INSTALLATION SERVICE ASSEMBLY UNITS

Service assembly unit consists of dismantling from BREB/ PBS existing/ working (Due to change order) line and re-installation including servicing, hauling, assembling, maintaining & stringing of the hardware conductor, insulators etc. necessary to support the pole on which the secondary (LT is installed to the consumers meter point). Only those connection to support the service drop are to be installed by the contractor, The unit price quoted below is to include the dismantling of any two (2) K units poles the service drop conductor and any or all required tree trimming for the installation.

Unit Designation/ Description	Quantity	Unit	Unit Rate (BDT)	Total Amount (BDT)
Dismantling and re-installing of any single phase service drop		Each		
Dismantling and re-installing of any three phase service drop		Each		
Dismantling and re-installing service drop cable only		Each		
Sub-Total				

Section-6.18: DISMANTLING & CARRYING OF MISCELLANEOUS UNITS

A miscellaneous assembly unit consists of dismantling from BREB/ PBS existing line including hauling, de-assembling and mounting of an additional unit needed in the project for new line construction but not otherwise listed in the proposal. The section include the dismantling of grounding assembling, fuse cutout, re-closer, switches, regulators, metering

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and other assembling units.

Unit Designation/ Description	Quantity	Unit	Unit Rate (BDT)	Total Amount (BDT)
M2-1, M2-2, M2-11, M2-12		Each		
M3-4		Each		
M3-15, M3-16, M3-23		Each		
M3-24, M3-25		Each		
M5-1, M5-21		Each		
M17, M18, M18-1		Each		
Sub-Total				

Section-6.19: DISMANTLING AND RE-INSTALLATION OF MISCELLANEOUS ASSEMBLY UNITS

A miscellaneous assembly unit consists of dismantling from BREB/ PBS existing/ working (Due to change order) line including hauling, de-assembling and mounting of an additional unit needed in the project for new line construction but not otherwise listed in the proposal and re-installation as per instruction. The section include the dismantling of grounding assembling, fuse cutout, re-closer, switches, regulators, metering and other assembling units.

Unit Designation/ Description	Quantity	Unit	Unit Rate (BDT)	Total Amount (BDT)
M2-1, M2-2, M2-11, M2-12		Each		
M3-4		Each		
M3-15, M3-16, M3-23		Each		
M3-24, M3-25		Each		
M5-1, M5-21		Each		
M17, M18		Each		
M18-1		Each		
Sub-Total				

Section-7.19: TRANSFORMER ASSEMBLY UNITS

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A transformer assembly unit consists of installation including receiving of materials from BREB/ PBS store, hauling, testing and mounting of the transformer, its protective equipment and its hardware & leads with their connectors and supporting insulators & pins. This unit does not include the installation of the pole top, secondary, service or grounding assembling. The insulation resistance of each and every transformer rating should be performed by insulation resistance tester and the dielectric oil test(oil insulation level) of transformer rating 50 KVA and above should be performed by a standard oil test and the test report should be submitted to the Engineer/ Consultant, The cost of all test are included in this assembly units.

Unit Designation/ Description	Quantity	Unit	Unit Rate (BDT)	Total Amount (BDT)
G105, G106, G136 (up to 15 KVA)		Each		
G105, G106, G136 (above 15 KVA and up to 37.5 KVA)		Each		
G105, G106, G136 (above 37.5 KVA)		Each		
G312 (up to 3×15 KVA)		Set		
G312 (above 3×15 KVA and up to 3×37.5 KVA)		Set		
G312 (above 3×37.5 KVA and up to 3×50 KVA)		Set		
G312 (above 3×50 KVA and up to 3×75 KVA)		Set		
G312 (above 3×75 KVA and up to 3×100 KVA)		Set		
G312 (above 3×100 KVA)		Set		
G313		Set		
G315		Set		
Single Phase Transformer only up to 15 KVA		Each		
Single Phase Transformer only 25 KVA and 37.5 KVA		Each		
Single Phase Transformer only above		Each		

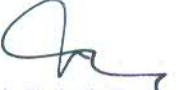
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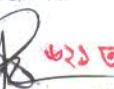

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37.5 KVA				
B-87, B-88 only		Each		
Sub-Total				

Section-7.20: DISMANTLING & CARRYING OF TRANSFORMER UNITS

A unit consists of complete removal of transformer from BREB/ PBS taken over existing line. This unit includes the hanger, brackets, jumpers etc. Complete list of materials so recovered are to be made and all materials are to be carried and deposited to the designated BREB/ PBS store as per instruction of Engineer in charge.

Unit Designation/ Description	Quantity	Unit	Unit Rate (BDT)	Total Amount (BDT)
G312 (up to 3×15 KVA Mixed)		Set		
G105, G106, G136 (up to 15 KVA)		Each		
G105, G106, G136 (25 KVA & 37.5 KVA)		Each		
G105, G106, G136 (50 KVA & 75 KVA)		Each		
G105, G106, G136 (100 KVA)		Each		
Single Phase Transformer only up to 15 KVA		Each		
Single Phase Transformer only 25 KVA and 37.5 KVA		Each		
Single Phase Transformer only above 37.5 KVA		Each		
B-87, B-88 only		Each		
Sub-Total				

Section-7.21: DISMANTLING & RE-INSTALLATION OF TRANSFORMER UNITS

The unit consists of complete removal of transformer from BREB/ PBS existing/ working (Due to change order) line. This item includes dismantling of hanger, bracket, jumper etc.. Complete list of materials are to be made and all materials are to be re-installed within PBS area as per instruction of Engineer in charge.

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Unit Designation/ Description	Quantity	Unit	Unit Rate (BDT)	Total Amount (BDT)
G105, G106, G136 (up to 15 KVA)		Each		
G105, G106, G136 (25 KVA to 37.5 KVA)		Each		
G105, G106, G136 (above 37.5 KVA)		Each		
G312 (up to 3×15 KVA Mixed)		Set		
G312 (3×25 KVA, 3×37.5 KVA)		Set		
G312 (3×50 KVA, (3×75 KVA)		Set		
G312 (up to 3×75 KVA Mixed)		Set		
G312 (up to 3×100 KVA Mixed)		Set		
G313		Set		
Transformer up to 15 KVA		Each		
Transformer only 25 KVA, 37.5 KVA		Each		
Transformer only 50 KVA & above		Each		
B-87, B-88 only		Each		
Sub-Total				

Section-9.3: RIGHT OF WAY CLEARING UNITS

R1 The unit is 100 meter in length and 20 feet width (to be measured 10' on each side of the pole line) of actual clearing of right of way, this includes of clearing of underbrush, tree removal & such trimming as is required so that the right of way except for tree stumps which shall not exceed six(6) inch in high, shall be clear from the ground up & both sides of the line of poles carrying primary conductor. This unit does not include clearing of trimming associates with secondaries or services which is included with conductor units. The length actual cleaning shall be measured in straight lines parallel to the horizontal line between stakes and across the maximum dimension of foliage cleared projected to the ground line. All trees and underbrush across the width of the way, as designated by the consultant shall be considered to be grouped. Together as a single length in measuring the total length of clearing. Spaces along the right of way in which on trees are to be removed or trimmed or underbrush cleared shall be omitted from the total measurement. All length added together and then divided by 100, shall give R1 units.

This units includes the removal or toping, at the option of the contractor or danger trees out side of the right of way when so designated by the owner (Danger trees are defined as dead or

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১২২ তম বোর্ড পাইয়া অনুমোদিত শিক্ষা নং ১৭৭০

leaning trees which, in falling, will effect the operation of the line). The contractor shall not remove or trim shade, fruit or ornamental tress unless so directed by the consultant or Engineer- in-charge of BREB/ PBS.

Additional requirements, When specifying R1 units with disposal (A or B) denote type of-

- A. Trees brush branches & refuse shall, without delay, be disposal of by such methods as the owner will direct,
- B. Trees that are fallen shall be cut to commercial wood length staked neatly and left on the right of way for the land owner. Commercial wood length means the length designated by the owner but in no case shall it be required in no cases to be less than 4(four) feet. Brush, branches and refuse shall, without delay be disposal of by such methods as the owner will direct.

Unit Designation/ Description	Quantity	Unit	Unit Rate (BDT)	Total Amount (BDT)
R1-A		Km		
R1-B		Km		
Sub-Total				

Section-9.4: TRANSPORTATION OF MATERIALS TO THE DISTANCE ABOVE 15 KM

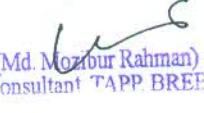
Unit Designation/ Description	Quantity	Unit	Unit Rate (BDT)	Total Amount (BDT)
Staking sheet for the distance above 15 km		Km		
Sub-Total				

Section-9.5: BAMBOO SUPPORT ASSEMBLY UNIT

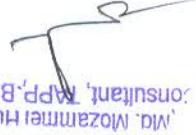
This unit consists of-

- 1) The installation of one pair of Bamboo support including receiving at site (one point), hole digging, erecting and back filling as per approved drawing and specification;

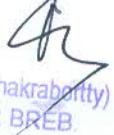
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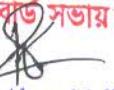

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৬২১ তম বৈত্তি সভায় অনুমোদিত সিদ্ধান্ত নং ১৭৭০০

2) Cleaning, cutting, shaping, carrying and hauling of one pair of Bamboo support including binding of nylon ropes or GI wire as supplied by the consumer, fitting fixture of K19 and K18 or similar function of grip on it, etc. complete in all respect;

3) Receiving at PBS head quarter, carrying, hauling, unreeling, stringing and tensioning of one span length of conductor for secondaries which includes the installation of tie wires, jumpers, connectors, splicing sleeves and armor rods or armor tapes, as required.

Unit Designation/ Description	Quantity	Unit (Span No.)	Unit Rate (BDT)	Total Amount (BDT)
Installation of Bamboo support and accessories including stringing of each span.		Span No.		
Sub-Total				

Section-8: Particular Specification

নিম্ন বর্ণিত শর্তাদি চুক্তির শর্তাদি হিসেবে বিবেচিত হবেঃ

১। ঠিকাদার কর্তৃক তারের খালি ড্রাম ষ্টোরে ফেরৎ প্রদানের বিষয়ে শর্তঃ

(ক) ঠিকাদার কর্তৃক তারের খালি ষ্টীলের ড্রাম কাজ শেষে ফেরৎ প্রদান করতে হবে। ফেরৎ প্রদান করতে ব্যর্থ হলে প্রতিটি ষ্টীলের ড্রামের জন্য ১,৫০০.০০ (এক হাজার পাঁচশত) টাকা হারে বিল হতে কর্তৃন করা হবে।

(খ) কাঠের ড্রাম বা কাঠের ষ্টীল অংশ ফেরৎ নেয়া হবে না। তার ইস্যুকৃত প্রতিটি ড্রামের জন্য ৫০.০০ (পঞ্চাশ) টাকা হারে ঠিকাদার কর্তৃক বাপবিবোর্ডের অনুকূলে পরিশোধযোগ্য হবে, যা চূড়ান্ত বিল হতে কর্তৃন করে সমবয় করা হবে।

ক্লোজ-আউট শেষে চূড়ান্ত বিল প্রেরণের সময় ইস্যুকৃত কাঠের ও ষ্টীলের ড্রামের বিবরণী অবশ্যই বিলের সাথে সংযুক্ত করতে হবে। বিবরণীটিতে কার্যাদেশের বিপরীতে ঠিকাদারের নিকট হতে আদায়যোগ্য অর্থের পরিমাণও উল্লেখ থাকবে।

২। স্যাগ, জাম্পারিং ডেমেজের জন্য এলাউল্স এর ক্ষেত্রে নিম্নরূপ শর্তাদি কার্যকর হবেঃ

লাইন নির্মান ঠিকাদারের নির্মান কাজে বরাদ্দকৃত কভার্টের ট্রিংগিং এর ক্ষেত্রে সকল প্রকার কাটপিস সংশ্লিষ্ট ষ্টোরে ফেরৎ পাওয়া সামগ্রে এলাউল্স ১(এক)% এর মধ্যে সীমিত রাখা হবে। ১(এক)% এর উপরে এলাউল্স প্রদানের প্রয়োজ্য ক্ষেত্রে যথাযথ কর্তৃপক্ষের পূর্বানুমতির প্রয়োজন হবে।

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৬২১ তম বোর্ড সভার অনুমোদিত সিদ্ধান্ত নং ১৭৭০০

৩। উপকেন্দ্রসহ পরিস বিদ্যুৎ ব্যবস্থা নির্মান কাজে ঘাটতিকৃত মালামালের মূল্য নিম্ন বর্ণিত হিসেবে কর্তন করা হবেঃ

মালামালের বিবরণী ও শর্তাবলী

জরিমানা হিসেবে কর্তনযোগ্য মূল্য

(১) হার্ডওয়্যার মালামাল (বি-আইটেম)ঃ

আইটেম ওয়ারী ঘাটতিকৃত মালামাল মোট ব্যবহৃত মালামালের

(ক) ৫(পাঁচ) % পর্যন্ত হলে মোট ঘাটতি মূল্যের

১১৫ %

(খ) ৫(পাঁচ) % এর বেশি হলে মোট ঘাটতি মূল্যের

২০০ %

(২) ইনসুলেটর মালামাল (সি-আইটেম)ঃ

আইটেম ওয়ারী ঘাটতিকৃত মালামাল মোট ব্যবহৃত মালামালের

(ক) ৫(পাঁচ) % পর্যন্ত হলে মোট ঘাটতি মূল্যের

১১৫ %

(খ) ৫(পাঁচ) % এর বেশি হলে মোট ঘাটতি মূল্যের

২০০ %

(৩) কভাস্টর (বেয়ার অথবা ইনসুলেটেড), এলুমিনিয়াম গ্রাউন্ড ওয়্যার ও টাই ওয়্যার, কভাস্টর এক্সেসরিজ (আরমার রড, আরমার টেপ), ডি, ই ও এফ আইটেমসমূহ ঃ

আইটেম ওয়ারী ঘাটতিকৃত মালামাল মোট ব্যবহৃত মালামালের

(ক) এফআইআর করা থাকলে আইটেম ওয়ারী ঘাটতিকৃত মালামালের মূল্যের

১১৫ %

(খ) এফআইআর করা না থাকলে আইটেম ওয়ারী ঘাটতিকৃত মালামালের মূল্যের

২০০ %

(৪) ইকুইপমেন্ট যেমন- ট্রান্সফরমার, ওসিআর ও সেকশনালাইজিং ডিভাইস ইত্যাদি এবং এইচ আইটেম)

আইটেম ওয়ারী ঘাটতিকৃত মালামালের মূল্যের

২০০ %

(৫) কানেক্টরস (আই আইটেম)

আইটেম ওয়ারী ঘাটতিকৃত মালামালের মূল্যের

২০০ %

(৬) ষাল গাই- গ্রাউন্ডিং ওয়্যার (এন আইটেম)

(ক) এফআইআর করা থাকলে আইটেম ওয়ারী ঘাটতিকৃত মালামালের মূল্যের

১১৫ %

(খ) এফআইআর করা না থাকলে আইটেম ওয়ারী ঘাটতিকৃত মালামালের মূল্যের

২০০ %

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৬২১ তম বোর্ড সভার অনুমোদিত সিদ্ধান্ত নং ১৭৭০০

(৭) কাঠের মালামাল যেমন- পোল, ক্রস আর্ম, এ্যাংকর লগ, ট্যাবিলাইজার লগ (আর, এক্স ও জেড আইটেম)

(ক) ভাঁগা বা ডেমেজ অবস্থায় ফেরৎ প্রদান করলে আইটেম ওয়ারী মালের মূল্যের : ১১৫%
(খ) ফেরৎ প্রদান না করলে আইটেম ওয়ারী মালের মূল্যের : ২০০%

(৮) উপকেন্দ্র নির্মান মালামালের ক্ষেত্রে প্রযোজ্য

(ক) এফআইআর করা থাকলে আইটেম ওয়ারী ঘাটতিকৃত মালামালের মূল্যের : ১১৫%
(খ) এফআইআর করা না থাকলে আইটেম ওয়ারী ঘাটতিকৃত মালামালের মূল্যের : ২০০%

(৯) অব্যবহারযোগ্য ফেরৎকৃত মালামালের ক্ষেত্রে প্রযোজ্য

(ক) ঠিকাদারের দায়িত্বহীনতা বা গাফিলতির কারণে ফেরৎকৃত মালামাল অব্যবহারযোগ্য হলে : ১১৫%
(খ) ফেরৎকৃত মালামাল ব্যবহারযোগ্য না হওয়ার জন্য ঠিকাদার দায়ী না হলে : কোন মূল্য কর্তন করা হবে না।

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৬২১ তম বোর্ড সভায় অনুমোদিত সিদ্ধান্ত নং ১৭৭০০

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(Kamrul Ahsan Mollik)
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BANGLADESH RURAL ELECTRIFICATION BOARD

BREB Form No: 342

REQUEST FOR CLOSING THE CONTRACT

Subject/Name of Work:

Contact No.:

Work Order No.:

THRU:

(CONSULTING ENGINEERING FIRM)

To :

(Executive Engineer /Sr. GM/ GM)

I/we certify that the subject contract is complete including change orders/variation and corrections. On this basis I/we request for acceptance of works and closing of construction contract.

Date.....

(Contractor)

1st endorsement

Date

CONSULTING ENGINEER'S CERTIFICATE FOR CLOSING CONTRACT

TO: XEN, BREB/ Sr. GM/GM, PBS:

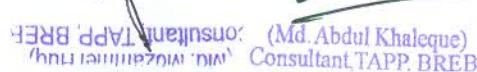
Above mentioned contract has been inspected and found complete with all variations and defects corrected. As-built Sheets have also been prepared and therefore I/we recommend for acceptance of works and closing of construction contract.

(Consulting Engineer)

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BANGLADESH RURAL ELECTRIFICATION BOARD

BREB Form No: 343

CERTIFICATE OF COMPLETION OF CONTRACT CONSTRUCTION PBS:.....; Date :.....

I am Project/Retainer Engineer, M/s. Electrical consulting engineering firm employed by the Bangladesh Rural Electrification Board/..... PBS..... do hereby certify that

1. The construction provided for pursuant to the construction Contract No.:....., Date:....., Work Order No., Dated:....., 20....., including all approved amendments (hereinafter called the "project/ name of work"), between Bangladesh Rural Electrification Board/ orPBS-..... ("Owner") and ("Contractor") has been completed as of,...../...../20....., and is in all respects in strict compliance with the provisions of the Construction Contract, including all plans, specifications, maps, drawings and all modifications thereof.
2. The Final Inventory attached hereto and made a part hereof is a complete and accurate summary of all units of construction in the project/work and of all work performed in accordance with the Construction Contract.
3. The staking sheets and tabulation of staking sheets, upon which the Final Inventory is based show the accurate location, number, and kind of all units of construction of the project and show all works performed in accordance with the Construction Contract.
4. All defects in workmanship and materials reported during the period of construction of the project /work have been corrected.
5. The project/work consists of the construction units as inventoried, is true and correct, and which is attached hereto and made a part thereof.

(Contractor)

(Consultant)

AE, BREB or AGM & DGM (HQ-Tech.), PBS

XEN, BREB or Sr. GM/GM, PBS

BANGLADESH RURAL ELECTRIFICATION BOARD				
PBS Instruction 100-41: CONSTRUCTION/REHABILITATION OF ELECTRIC FACILITIES BY PBS				
Date of Origin	Revised by	Approved by	Page No.	Revision No.
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(Md. Mizibur Rahman)
Consultant TAPP, BREB

(Md. Dulhul Islam)
Consultant TAPP, BREB

(Md. Mizanul Haque)
Consultant TAPP, BREB

(Md. Abdul Khaleque)
Consultant TAPP, BREB

(Md. Ansarul Haque)
Consultant TAPP, BREB

(Debasish Chakraborty)
P.D. TAPP, BREB

(Kamrul Ahsan Mollik)
Asst. Secy. (Board), BREB

৩২১ তম বোর্ড সভায় অনুমোদিত সিকাত নং ১৭৭০০

BANGLADESH RURAL ELECTRIFICATION BOARD

BREB Form No: 344

CERTIFICATE OF FINAL INSPECTION AND ACCEPTANCE

PBS.:, Date:.....

Subject/Name of work:.....

Contract No. with date:

Work Order No.:

Date of completion:

This is to certify that all defects of the mentioned work order Subject were inspected and found corrected

As per plans and specification as of (date)

(Consultant) (AE, BREB or AGM, PBS) (XEN, BREB or DGM (HQ-Tech), PBS)

(SE/Authority, BREB or Sr. GM/GM, PBS)

BANGLADESH RURAL ELECTRIFICATION BOARD				
PBS Instruction 100-41: CONSTRUCTION/REHABILITATION OF ELECTRIC FACILITIES BY PBS				
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(Md. Mozibur Rahman)
Consultant TAPP RRFT

(Md. Duhidul Islam)
Consultant TAPPI BRF

consultant, TAPP, BREB

(Md. Abdul Khaleque)
Consultant, TAPP, BREB

(Md. Ahsanul Haque)
Consultant TAPP BREB

(Debasish Chakrabortty)
PD, TAPP, BREB.

(Kamru1 Ahsen Mollik)
Asst. Secy. (Board), BREB.

১২৩ ঢাকা বোর্ড সভায় অনুমোদিত সিকাত নং ১৯৯০
(Md. Abdul Khaleque)
Consultant, TAPP, BREB
(Kamru Ahsan Mollik)
Asst. Secy. (Board), BREB.

BANGLADESH RURAL ELECTRIFICATION BOARD

BREB Form No: 345

CONTRACTOR'S CERTIFICATE OF SETTLEMENT OF OBLIGATIONS

I am, S/O.....
of legal age, residing at,
representing M/s,
(Contractor) with business address at,
.....
after having been duly sworn in accordance with law hereby certify to the following :

- 1) That all taxes due and all obligations for materials and equipment used and labor and services employed in connections with contract
No.:..... Work order No.:.....
.....(.....Fund) have been fully paid as of this,
(Project title/Name of Work)
- 2) That the Bangladesh Rural Electrification Board/.....PBS is discharged from all liabilities, obligations, and claims arising out of said contract.

IN WITNESS WHERE OF, this certificate has been executed this day

of,
(Day) (Month) (Year).

i)
ii)

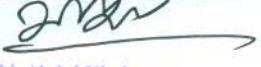
৬২১ তম বোর্ড সভায় অনুমোদিত সিদ্ধান্ত নং ১৯৯০০

(Contractor)

BANGLADESH RURAL ELECTRIFICATION BOARD				
PBS Instruction 100-41: CONSTRUCTION/REHABILITATION OF ELECTRIC FACILITIES BY PBS				
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(Md. Mozibur Rahman)
Consultant TAPP, BREB


(Md. Duhidul Islam)
Consultant TAPP, BREB


(Md. Abdul Khaleque)
Consultant TAPP, BREB


(Md. Ahsanul Haque)
Consultant TAPP, BREB


(Debasish Chakraborty)
TAPP, BREB


(Kamrul Ahsan Molla)
Asst. Secy. (Board), BREB

BANGLADESH RURAL ELECTRIFICATION BOARD

BREB Form No: 346

Date:

REQUEST FOR RELEASE OF% RETENTION MONEY

SUBJECT/DETAILS OF CLAIM:

Contract No. with date:

Work Order No.:

Project/Name of work:

Date of completion:

We request release of% retention for
the subject. All defects have been corrected as of

(date)

(Signature of Contractor with date & seal)

a) Comments of XEN, BREB or AGM(E&C) & DGM (Tech-HQ) PBS

(XEN, BREB or AGM(E&C) & DGM (Tech-HQ), PBS

b) Approval of SE/Authority of BREB or Sr. GM/ GM, PBS :

(SE/Authority of BREB/Sr. GM/GM, PBS)

BANGLADESH RURAL ELECTRIFICATION BOARD				
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(Md. Mozibur Rahman)
Consultant TAPP, BREB


(Md. Duhidul Islam)
Consultant TAPP, BREB


(Md. Abdul Khaleque)
Consultant TAPP, BREB


(Md. Ahsanul Haque)
Consultant TAPP, BREB


(Debasish Chakrabarty)
Consultant TAPP, BREB


(Kamruzzaman Molla)
Asst. Secy.

৫২১ তম নেট সভায় অনুমোদিত সিদ্ধান্ত নং ১৯৯০০

BANGLADESH RURAL ELECTRIFICATION BOARD

BREB Form No: 347

BANGLADESH RURAL ELECTRIFICATION BOARD				
PBS Instruction 100-41: CONSTRUCTION/REHABILITATION OF ELECTRIC FACILITIES BY PBS				
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 (Md. Mozibur Rahman)
Consultant TAPP, BREE

(Md. Duhidul Islam)
Consultant TAPP BRF

Wozammel Huq, MAPP, BREB, Consultant

(Md. Abdul Khaleque)
Consultant, TAPP, BREE

(Md. Ahsanul Haque)
Consultant TAPP BREP

(Debasish Chakraborty)
PD TAPP BRFB

40
• (Kamrul Ahsan Mollik)
Asst. Secy. (Board), B2FB

BANGLADESH RURAL ELECTRIFICATION BOARD

BREB Form No: 350

TABULATION OF CONSTRUCTION UNITS

Sheet.....of.....sheet

Name of PBS.....

Work Order No. :

Contract No. :

Name of Contractor :

Name of Consultant :

Date of completion: _____

Date of completion:.....

ANSWERING THE CALL: A PRACTICAL PERSPECTIVE ON THE CHURCH'S CALL TO REFORM HUMANITY

BANGLADESH RURAL ELECTRIFICATION BOARD				
PBS Instruction 100-41: CONSTRUCTION/REHABILITATION OF ELECTRIC FACILITIES BY PBS				
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(Md. Mozibur Rahman)
Consultant TAPP, BREB

(Md. Duhidul Islam)
Consultant TAPP BRF

(Md. Abdul Khaleque)
Consultant, TAPP, BREB

(Md. Ahsanul Haque)
Consultant TAPP BREB

(Debasish Chakrabortty)
3D/TAPP BREB

(Kamrul Ahsan Mollik)
Asst. Secy. (Boer) PREB,

୬୨୧ ତମ ବୋର୍ଡ ମାର୍ଗ ଅନୁଯୋଦିତ ସିକ୍କାଟ ନଂ ୧୭୭୦୦

BANGLADESH RURAL ELECTRIFICATION BOARD

BREB Form No. 350A

TABULATION OF MATERIALS

Sheet.....of.....

PBS..... Date of completion:

Name of work :

Contract No.:

Work Order No.:

Name of Contractor:

BANGLADESH RURAL ELECTRIFICATION BOARD				
PBS Instruction 100-41: CONSTRUCTION/REHABILITATION OF ELECTRIC FACILITIES BY PBS				
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(Md. Mozibur Rahman)
Consultant TAPP BREP

(Md. Duhidul Islam)
Consultant TAPP BPF

Mid-Miuzdzhimeli Huylı

(Md. Abdul Khaleque)
Consultant TAPP BREF

(Md. Ahsanul Haque)
Consultant TAPP BREF

(Debasish Chakrabortty)
PD.TAPP,BREB

(Kamrul Ahsan Mollik)
Asst. Secy. (Board) BRB

୬୨୧ ତଥ ବୋର୍ଡ ଶକ୍ତାୟ ଅନୁମାନିତ ଶିକ୍ଷାତ୍ମ ନଂ ୧୭୭୦୦

BANGLADESH RURAL ELECTRIFICATION BOARD

BREB Form No: 577

CERTIFICATE OF THE TABULATION OF CONSTRUCTION UNITS

PBS.

Subject/Name of work:

Contract No. with date:

Work Order No.:

Date of completion:

This is to certify that the Tabulation of Construction Units as taken from the As-Built Staking Sheets is Correct and Agreed with by the following:

(Consultant)

(Contractor)

(AE, BREB/AGM & DGM(HQ. Tech.) PBS) (XEN, BREB/ Sr. GM/GM, PBS)

BANGLADESH RURAL ELECTRIFICATION BOARD				
PBS Instruction 100-41: CONSTRUCTION/REHABILITATION OF ELECTRIC FACILITIES BY PBS				
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(Md. Mozibur Rahman)
Consultant TAPP BREB

(Md. Duhidul Islam)
Consultant TAPP BREB

(Md. Abdul Khaleque)
Consultant TAPP BREB

(Md. Ahsanul Haque)
Consultant TAPP BREB

(Debasish Chakraborty)
PD, TAPP BREB

(Kamrul Ahsan Mollik)
Asst. Secy (Board), BREB