

**BOKARO POWER SUPPLY CO. (P) LTD.**  
**HALL NO:- M-01, OLD ADMINISTRATIVE BUILDING,**  
**ISPAT BHAVAN, BOKARO STEEL CITY – 827001**

**TENDER NOTICE NO. BPSCL/CEO/P&C/08-09/PUR-083/NIT-150/9921**  
**dated 19.02.2009**

**TENDER DOCUMENT**

**SUBJECT: SUPPLY OF “PASSIVE FIRE PROTECTION  
MATERIALS” FOR CABLE GALLERIES  
(INCLUDING ITS INSTALLATION)**

**COST: 3000/-**  
**(Rupees Three Thousand Only)**

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**NOTICE INVITING TENDER**

No. BPSCL/CEO/P&C/08-09/ PUR-083/NIT-139/9921

Date: 19.02.2009

For and on behalf of BOKARO POWER SUPPLY COMPANY (P) LTD (BPSCL), sealed tenders in duplicate are invited by the undersigned from reputed manufacturers for supply of Passive Fire Protection Materials for Cable Galleries including its installation as per the following specification:. The bid must be submitted in four parts i.e. **Part-I: Cost of Tender Documents + documents supporting eligibility criteria, Part-II: Earnest Money Deposit, Part-III: Techno-Commercial Bid and Part-IV: Price Bid. Part I, II, III & IV bids should be in separate envelopes and all the envelopes together put in a big envelope superscribing the NIT No. & bid opening date over the body of envelope.**

Sl. No.	Material Description	Quantity
1	Fire proof fire stop /barrier panels (for fire proof sealing of penetrations / openings of facilities like cables, trays, other associated utilities etc.)	68.00 Sq.m
2	Fire resistant sealant (for sealing of small gaps around cables, trays, other utilities etc).	33.20 Kg
3	Fire retardant coating (for fire retardant coating of utilities like cables etc.).	2216.50 Kg
<b><u>QUALIFYING REQUIREMENTS FOR BIDDERS</u></b>		
01.	The bidder should be original manufacturer of passive fire protection materials / safety materials / products, or such a manufacturer's authorized representative acting as principal in India, in case of foreign manufacturer. Proof of the same should be submitted.	
02.	The bidder should have designed, manufactured, supplied, erected and commissioned at least Two (2) Passive Fire Protection Systems in industrial installations in last 5 years and one of the systems must have been commissioned in last 3 years. Each of the above contracts should have included the materials as described below: a) Fire proof fire stop/barrier panels (For fire proof sealing of penetrations / opening of facilities like cable, trays and other associated utilities of power plant) b) Fire resistant sealant ( for sealing of small gaps around cables, trays and other utilities of power plant) c) Fire Retardant coating for cables	
03.	The bidder / manufacturer's facility for passive fire protection / safety materials / products should have an ISO 9001 approval. Proof of the same should be submitted.	
04.	The bidder / manufacturer's products shall be tested, approved and enlisted from UL / FM Global / LPCB and CBRI, Roorkee. Necessary documentary proof shall be submitted.	
05.	Latest Audit & Accredited Report on product manufacturing facility from UL / FM / LPCB and CBRI, Roorkee for the last 3 years from date of Notice Inviting Tender (NIT) shall be submitted by the tenderer for all the items covered under the scope of work. Necessary documentary proof shall be submitted.	
06.	All necessary test certificates from UL / FM Global / LPCB and CBRI, Roorkee for the products quoted are to be submitted.	
07.	The bidder shall give a declaration that he / it / they or bidders associated company is / are not under black list / holiday list by any central / state govt. agencies or by the central / state PSU company.	
08.	The bidder must submit self attested copy(s) of completed P.O. / W.O. issued during last three years from the date of NIT for similar items supplied, or, similar work of passive fire protection done in plant /factory of a factory / plant belonging to PSU's, or Joint Venture's of PSU's, Central / State Government Organisations or reputed Pvt. Organizations, of following value : a. One similar completed work costing at least Rs. 70,00,000/- b. Two similar completed work costing at least Rs. 35,00,000/- each	
09.	Average annual turnover of the company of the last 3 financial years should not be less than 1.0 Crore.	
Other information: -		
Cost of Tender Paper (non refundable)		Rs. 3000.00 (Rupees three thousand only)
Bid Opening date & time (Part –I, II & III)		23.03.2009 at 15.30 Hours

**General Terms & Conditions:**

- i) Cost of the tender documents (non-refundable) shall be deposited in the form of Demand Draft, drawn in favour of Bokaro Power Supply Company (P) Ltd on any Indian Nationalised Bank / Scheduled Bank, payable at Bokaro Steel City, India.
- i) Tender shall be enclosed with EMD of Rs. 1,75,000.00 (Rupees One Lakh Seventy Five Thousand only) in shape of DD/Bank Guarantee drawn on any Nationalised Bank / Scheduled Commercial Bank in favour of Bokaro Power Supply Company (P) Ltd., payable at Bokaro Steel City. EMD exemption, wherever applicable, may be availed of by Government organisations/NSI units against entitlement documents.
- iii) Tenders shall be received upto 3.00 PM on 23.03.2009
- iv) The undersigned reserves the right to either reject any / all tenders without assigning any reason thereof and also reserve the right to alter the qualifying requirements.
- v) **Any corrigendum/addendum/extension of bid opening will be published through our website only and not through news paper.**
- vi) Tender document have to be downloaded only from our website [www.bpscl.in](http://www.bpscl.in)

**NOTE: Our earlier NIT vide no. BPSCL/CEO/P&C/08-09/ PUR-083/NIT-139/5018 dated 28.06.2008 maybe treated as cancelled.**

For and on behalf  
Bokaro Power Supply Co (P) Ltd.  
Sd/-  
(Rakesh Ranjan)  
Superintending Engineer (P&C)

## 1.00 Conditions & Rules to be observed in submitting Tenders

### 1.01.1 Manner of Submission of the Tender

The tender shall be divided into 04 parts. On 23.03.2009 Part I of the tender will be opened first. Part II & Part III will be opened only of those bidders who qualify in eligibility criteria. The tender paper may be arranged as follows with superscribing over the body of separate envelopes. All the four envelopes together should be put in one big envelope superscribing the NIT No. & bid opening date.

- a) **Part I : Cost of tender documents and documents in support of eligibility criteria**
- b) **Part II: Earnest Money Deposit**
- c) **Part III: Technical & Commercial offer in duplicate**
- d) **Part IV : Price Bid in duplicate**

### 1.01.2 Tender Validity Period

The tender shall be valid for **90 (Ninety) days** from the date of opening.

### 1.03 General

- i) The bidder shall complete the Bid Proposal in all respect by inserting correct applicable 'data' in the 'blank box' against each item/Sl. No. positively.
- ii) The tender rates shall be written in English, in ink both words and figures. In the case of any discrepancy between the words & figures of the rates quoted, the rates expressed in words shall be taken as correct. In the case of discrepancy in the Unit Rate and Amount, Unit Rate will govern. Erasures, changes, and corrections of whatever type/nature shall be attested by the tenderer. The rates amount shall be written in Rupees and Paise only. The rates in words shall be written in one single line only without admitting any interpolations.
- iii) All pages of the tender documents, conditions, specifications, drawings etc. shall be initialed at the lower left hand corner and signed wherever required by the tenderer before submission of the tender.
- iv) If the intending tenderer is a Firm or Company, then they shall, in the forwarding letter, mention the number and names of all the partners shall sign before submitting the same unless the Power of Attorney holder has specifically been authorized in this respect.
- v) If any tenderer withdraws his tender before its acceptance or refuses within a reasonable time without giving any satisfactory and acceptable explanation thereof, the tenderer shall be disqualified for making any tender of the BPSCL for a minimum period of one year and the Earnest Money will be forfeited.
- vi) DGS&D rates wherever available for the above item be quoted and concerned documents such as DGS&D certification and approved lists be attached with the quotation.
- vii) Proprietary Article Certificate (PAC) and Price Reasonable Certificate (PRC) stating that the prices charged are reasonable and the same being charged to all the Govt./Semi govt. organisations/ PSUs including D.G.S.&D. where applicable. Where agent commission is involved, the same in percentage invariably be indicated.
- viii) Mode of deposit of Earnest Money:
  - a. Every tender must accompany 'Earnest Money' in the shape of Demand Draft/ Bank Guarantee drawn on any nationalized Bank / Schedule Commercial Bank in favour of Bokaro Power Supply Company (P) Ltd., payable at Bokaro Steel City.
  - b. Earnest Money will be refunded to the tenderer after finalisation of tender and no interest will be paid for the same.

- c. Public Sector Undertakings/ Govt. Undertakings/ NSIC units are exempted from depositing Earnest money against entitlement documents.
  - d. The amount of Earnest money will be adjusted against Security Deposit only in case of successful Tenderer.
- ix) In case the date of tender opening happens to be holiday, the tender will be opened on the next working day at same time.
- x) **Any conditional offer or offer having deviations from our specification & instruction sheets is liable to be rejected.**
- xi) The undersigned reserves the right either to reject any/all the tenders without assigning any reason thereof.

**For & behalf of  
Bokaro Power Supply Company (Pvt.) Limited  
Sd/-  
(Rakesh Ranjan)  
Superintending Engineer (P&C)**

## 2.00 Terms and Conditions

- 2.01 Specification, quantity, unit rate, taxes, duties, freight, insurance, packaging, forwarding etc. should be mentioned separately and clearly.
- 2.02 Offer is to either type written or by handwritten and in no case partly type written and partly hand written. No corrections, overtyping shall be permitted. If so, the same shall be summarily rejected.
- 2.03 The Tenderer shall quote the unit rate in figures as well as in words. The rates quoted shall be inclusive of, in all cases, costs, taxes etc. It should be in the format given in PART 'B'
- 2.04 Tenderers shall deposit Earnest Money amount of **Rs. 1,75,000/- (One Lakh seventy five thousand Only)** in the form of DD / Bank Guarantee only in favour of Bokaro Power Supply Company (P) Limited payable at Bokaro Steel City along with their quotation.
- 2.05 Tenders shall be accompanied by a copy of latest IT Return submitted, Commercial Tax Clearance Certificate, Sales Tax Clearance Certificate of the Individual/Party/Firm submitting the tender.
- 2.06 Bank details mentioning account number, bank name, city, branch name and branch code should be mentioned in the offer.
- 2.07 Tenderer shall furnish materials test certificate from **Govt. Test House** along with supply.
- 2.08 Paying authority – Jr. Manager (F&A), BPSCL but bill in triplicate duly receipted on the revenue stamp with a copy of TC & GC, Packing list etc. be submitted to Consignee: In-Charge (Stores), Power Plant, Bokaro Power Supply Company (P) Limited for processing of the same.
- 2.09 Tenderers shall quote their firm rates and no negotiations will be held except with the lowest tenderer, if required.
- 2.10 Supplies must be strictly in accordance with material specifications. Suppliers will be responsible for deviation whatsoever.
- 2.11
  - a) The supplier will be held responsible for the stores not being sufficiently and properly packed at his expenses for the transport by rail, road and sea; so as to ensure them being free from loss or injury at their destination. This will apply Ex-Godown office also.
  - b) Each bale or package delivered under our order shall at the expense of the supplier be distinctly marked with description and quantity of contents with the consignee's name and address with gross weight with the name of supplier and with a distinctive number or mark which is also to be shown for the purpose of identification of the suppliers packing account.
  - c) Each bale or package shall contain a packing note quoting the number and date of our order showing its contents in detail.
- 2.12 In accepting the order you are understood to accept to all responsibilities for and infringement in registered design, trademark, patent rights etc.
- 2.13 Arrangements for insurance, where necessary, will be made by us. The name of the insurance Company shall be National Insurance Company. If insurance be arranged by supplier without our prior written approval, expenses will not be met by us.

2.14 Where a claim of Sales Tax is preferred and admitted, the supplier must satisfy that he is a registered dealer under Sales Tax Act and Possesses a Certificate of Registration in the firms name in which the supply is made and shall in proof thereof, while submitting bills for payment, furnish the number date and other particulars of such Certificate.

2.15 **Security Deposit :** The successful tenderer will have to deposit as security, for satisfactory execution of the order, an amount equivalent to 10% of the total value of the order in any form :- Bank Guarantee ( as per BPSCL format), Bank Draft/ Bankers Cheque in Favour of Bokaro Power Supply Company (P) Ltd., B.S. City.

The expression satisfactory execution of the order shall mean fulfillment of all obligation arising out of and the guarantees stipulated in the contract. In default at satisfactory execution of the order the security deposit shall be forfeited to the BPSCL.

Any penalty for which the successful tenderer shall be found liable or any liquidated damages which shall be payable to the BPSCL in terms of the Purchase Order/ Contract, shall also be recoverable by the BPSCL from the Security deposit. If such security deposit will not be adequate for the purpose of liquidating the amount of penalty and/or damages as contemplated, the amount in excess thereof shall be deducted from any sum or sums which may be due or may become due to the successful tenderer from the BPSCL on any account whatsoever.

Notwithstanding what has been stated above if the successful tenderer shall have duly performed all his obligation under and the guarantees stipulated in the purchase order / contract and observe all the terms and conditions thereof and no penalty shall have been recoverable from him and / or the BPSCL shall not have suffered any damages whatsoever, then security deposit shall be refunded, on receipt of a certificate from the consignee that there is no claim against the Successful tenderer under the Purchase Order / Contract.

- i) The Parties should clearly indicate their prices firm in all respects till execution of the order and on door delivery basis by Bank approved road transport to BPSCL Stores.
- ii) In case of asking any variation on any account whether raw materials or sales tax or excise duty or transportation etc. will not be treated as firm price on that account and hence parties should state everything clearly.

2.16 **Delivery Required:** Within six (06) months after placement of purchase order. However Earliest possible delivery date may please be quoted.

**Note :** Without any specific mention regarding Sales Tax, packing and forwarding charges, they would be taken as included in the quoted prices and no claim for these would be entertained latter.

Maker's name brand, if any and Country of Origin should be quoted, otherwise tender will be rejected.

**Special Instruction:** Tenders must signify their willingness to submit security deposit. Tender will be opened on **23.03.2009 at 03.30 PM**. If it is declared a holiday by BPSCL then in the next working day in the presence of Tenderer's Authorized Representatives, who wish to be present.

**For & behalf of**  
**Bokaro Power Supply Company (Pvt.) Limited**  
Sd/-  
**(Rakesh Ranjan)**  
**Superintending Engineer (P&C)**

### 3.00 Instruction Sheet

#### SPECIAL INSTRUCTION TO THE TENDERER

##### 3.01 General

3.01.01 The instruction to tenderer shall be read in conjunction with tender specification, general condition of contract, scope of work, qualifying requirement, commercial part, other terms & condition described in tender document.

Notwithstanding the sub-division of the various parts of tender document, every part of each shall be deemed to be complementary and supplementary to each other.

In case of any conflict / contradiction, between various parts of the tender document, following shall prevail over the another in the following order :

- i) For all commercial matter, commercial part shall prevail.
- ii) For all other contractual and general condition, individual chapter shall prevail.
- iii) For any technical aspects / details, the technical specification elaborated in tender document with respect to Passive Fire Protection System / Equipments shall prevail. However, any contradiction either between various parts of documents or in the content of the document itself shall be a matter of clarification to be obtained by the tenderer from the purchaser. The purchaser's decision shall be final and binding.

3.01.02 It is assumed that the tenderer has studied the specification and satisfied himself regarding the workability of the proposed Passive Fire Protection System and takes full responsibility for the proper system design, best quality of material and workmanship, guaranteed operation and smooth performance and handing over of the systems. This technical specification is only a guidance to the tenderer and hence all the items necessary for safe and satisfactory installation, guaranteed and reliable performance of the proposed Passive Fire Protection System shall be included in his offer though these might not have been specifically mentioned in the technical specification / schedule of quantities. No extra claim will be entertained after placement of order.

3.01.03 Tenderer shall visit the area, assess the full volume of work before submitting the offer. After submitting the offer, no excuse or extra shall be entertained on any account.

3.01.04 The tenderer shall satisfy the Purchaser that he possesses the necessary technical experience for design and has at his disposal suitable facilities and crew to ensure that his work shall be of the best quality and workmanship.

3.01.05 Tenderer to note that no shutdown will be permitted while executing the passive fire protection system.

3.01.06 Adequate safety precautions shall be taken during various stages of project execution with out hampering power generation.

3.01.07 Welding work is not permitted in the areas such as cable vaults/ cable galleries / cable tunnel etc.

- 3.01.08 Any loss of materials after receipt at site due to imprudence, negligence and unsuitable treatment and handling shall have to be replaced by the tenderer at his own cost.
- 3.01.09 The tenderer shall note that work is to be executed in running plant. Any existing services or other property if damaged or demolished during the course of execution either willfully or negligently, shall be re-erected by the tenderer at his own cost within shortest time period.
- 3.01.10 The tenderer shall take all precaution against damages due to rains or other natural causes and no liability shall lie with the purchaser for any loss on this account.
- 3.01.11 The approval of drawings and/or inspection by Purchaser and/or their authorised representative shall not absolve or relieve the tenderer from any of his obligation under this contract and they shall be wholly and solely responsible for the satisfactory operation and guaranteed performance of the systems and equipment forming part of the system.
- 3.01.12 This specification is issued for procurement from indigenous sources. No foreign exchange or import licence for importing equipment, components, raw materials or spares will be arranged for or provided by the purchaser. In case the equipment offered involves expenditure in foreign exchange, same shall be arranged by the tenderer.
- 3.01.13 Any material which in any way fails to meet the requirements of the specification will be rejected by the Purchaser and the equipment/material involved shall not be used under the contract. The tenderer shall be required to promptly furnish new material at his cost without hampering the schedule of completion of the project.
- 3.01.14 Any changes or difficulties which might be encountered during the execution of work or any other problems due to local working conditions which are not anticipated/included in the tender document shall fall under full obligations of the tenderer. No claim on account of any ambiguity in any respect will be entertained after the placement of order by the Purchaser.
- 3.01.15 All material, dimensional standards, tolerances, process of manufacture and testing procedures shall be in accordance with the latest revision of the standard codes specified in this Tendering Specification.
- 3.01.16 The items described in the specification are indicative and not exhaustive. The tenderer shall supply all the passive fire protection materials to complete the work in all areas.
- 3.01.17 Tenderer shall note that the Purchaser reserve the right to increase or decrease the Bill of Quantities (BOQ).
- 3.01.18 At the time of award of contract, or at any date preferred by the purchaser the detailed Quality Assurance Plan to be followed for execution of the contract will be mutually discussed and agreed to.
- 3.01.19 Wherever applicable, the equipment/supplies offered shall also conform to the provision of statutory regulations of the Government of India and the Government of Jharkhand and other regulations in force such as Indian Factories Act, Indian Electricity Rules, Chief Controller of Explosives, Nagpur, Insurance Agency etc. Any permission from statutory bodies, if necessary, for execution of work shall be sought and arranged by the tenderer.
- 3.01.20 The passive fire protection system shall be designed & engineered, manufactured, installed, tested and commissioned as per the standards laid down in this specification. Detailed instructions on such aspects if not indicated shall be as per the latest standards, codes and recommendations of the IS / UL / FM Global / IEC / NFPA / BS etc. or other equivalent national / international standards shall be used with the prior approval of Purchaser.

### 3.01.21

#### **Safety**

- a. All safety rules and codes as applicable to work shall be followed without exception.
- b. All safety appliances and protective devices including belts, hand gloves, helmets, shields, goggles etc. shall be provided by the tenderer for his personnel.
- c. When the work is carried out at night or in the obscure day light, adequate arrangements for flood lighting in the working area shall be made by tenderer at his own cost and got approved by the Purchaser.
- d. The Tenderer shall provide guards and prominently display caution notices and warning signs if access to any equipment / area is considered unsafe and hazardous.
- e. All safety measures as required to be adopted as per the statutory regulations and the safety rules of the plant shall be strictly followed by the tenderer during the execution of the Contract.
- f. Adequate number of first aid boxes as defined in the Jharkhand State Factories Rules shall be provided and maintained at work sites.
- g. All danger and caution notice boards shall be both in English and Hindi languages.

### 3.01.22

#### **Contractor's Licence**

The contractor shall possess a valid and competent contractor's licence issued by the Licensing authorities of the Govt. of Jharkhand or other States for carrying out the type, nature and magnitude covered in this specification, in the state of Jharkhand. Copy of the contractor's licence shall be made available to the owner/consultant for verification during execution of contract if required.

All workers, electrician, welders, supervisors and engineers engaged by the contractor or his sub-contractor shall possess necessary valid licence issued by the statutory authority and the same shall be submitted for verification, if called for.

### 3.02

#### **Drawings and Documents**

### 3.02.01

#### **Drawing / Document to be Furnished along with Offer**

The following information shall be submitted for each items separately along with offer for Fire proof fire stop/barrier panels, Fire resistant sealant and Fire Retardant coating.

1. Brief description of the material
2. Composition of the material
3. Toxicity
4. Self Life
5. Details of packaging
6. Fire Resistance rating
7. Filled in technical data sheets along with technical catalogue
8. Sizing details of fire stops / barriers and fire retardant coating
9. Installation procedure of the fire stops/barriers and firebreak coating materials.
10. QAP along with inspection, Test plan and type test certificates.
11. All Test Certificates as per UL / FM Global/LPCB and CBRI, Roorkee for last five (05) years.

12. All Approval /enlisted Certificates from UL/FM Global/LPCB/ CBRI, Roorkee for last five (05) years from date of Notice Inviting Tender (NIT).
13. Copy of Audit & Accredited Report on product manufacturing facility from UL / FM / LPCB and CBRI, Roorkee for the last 3 years from date of Notice Inviting Tender (NIT).

3.02.02

**Drawing/documents to be furnished after placement of order**

**A. For Approval by purchaser/consultant**

The following design data, drawing & documents, shall be submitted by the tenderer in fifteen (15) copies within four weeks of issuing the Letter of award, for approval of the purchaser. The tenderer shall resubmit ten copies of the data /drawings/documents incorporating the changes suggested by purchaser for final approval.

- i. Overall layout of the plant showing various premises covered under Passive Fire Protection System.
- ii. G.A. and dimensional detail drawing for Fire Barrier / Stop system for the each covered area.
- iii. Typical fixing details of fire barriers / stop system for each area including civil details, if any.
- iv. Plan and sectional drawing for Fire Barrier / Stops for each area.
- v. Technical data sheets for all the items.
- vi. List of type tests and performance test proposed to be conducted at site for all the items.
- vii. Installation, testing and performance Guarantee Test procedures.

**B. For Information Category**

- i. Detailed technical catalogues for all the items.
- ii. All tests certificates for the passive fire protection system materials from UL / FM Global / LPCB and CBRI, Roorkee. Valid Test Certificates issued within last five (05) years, will have to be submitted along with the offer.
- iii. Product approval & enlistment certificates from UL/FM Global/LPCB/ CBRI, Roorkee for last five (05) years.
- iv. Quality Assurance Plan for all the items.

**C. Instruction Manuals**

- a. Instruction manual shall give step by step procedure for Installation, testing and performance.
- b. Maintenance instructions.
- c. Instruction manual shall also contain the
  - Technical Literature of the product
  - Manufacturer's catalogues with ordering specification for all items.
  - Drawings relevant for installation, maintenance and repair of the equipment.
  - All the test certificates for passive fire protection systems materials
  - All the approval / enlistment certificates for all the items
  - Recommended practice of handling
  - Part number of various items with address for future procurement.

### 3.02.03 **As Built Drawings/Documents**

The Tenderer shall submit following As Built drawings/documents in five sets.

- All approved drawings/documents
- All test certificates in bound volume.
- All the approved / enlistment certificates in bound volumes.
- Two sets of CD ROM consisting of installation drawings and instruction manuals in AutoCAD latest version.

### 3.03 **Unit Rates**

The tenderer shall quote item wise unit price and total price of passive fire protection system materials to be supplied and installed under this specification. The tenderer shall quote supply and installation / application rate of each item separately, indicating taxes, duties and freight shall be valid for the entire contract period till handing over of system to Purchaser.

This unit rates including taxes, duties, freight etc. shall remain firm and valid till the completion of the entire work under this contract.

### 3.04 **Inspection**

The tenderer has to submit an inspection procedure for all items to be supplied by him within 3 weeks of placement of order. The inspection procedure shall be finalised and approved by the purchaser.

No material or part item material shall be despatched without provisional acceptance certificate and despatch instructions issued by the purchaser.

All the materials shall be tested as per UL / FM Global / LPC and CBRI, Roorkee and test certificates for the last 5 years to be submitted by the tenderer. Purchaser's representatives shall have the option to visit the place of manufacture for stage inspection. All the items shall be inspected by the purchaser before despatch of the material. The tenderer has to make all arrangements for providing the necessary tools, tackles and instruments free of cost to carry out the inspection.

**Tenderer must agree with inspection of materials by third party M/s Llyods Inspection / M/s. Germanischer Lloyds Register as per QAP submitted by the tenderer & approved by us along with his quotation. The payment for such inspection will be borne by supplier.**

3.05 Tenderer must agree with Price Basis F.O.R. BPSCL Stores.

3.06 Tenderer must agree with Payment terms of 100% against GRN. In case of payment to be made through dispatch documents all Bank Charges shall be borne by Supplier.

3.07 Tenderer must agree with validity of offer for 90 days from date of opening of Techno-Commercial bid.

### 3.08 **Delivery:-**

- a) Timely delivery is the essence of the contract.
- b) In the event of supply not being effected within the contractual delivery schedule given in the order, liquidated damages @ ½ % of the value of the materials with taxes and duties, per week subject to a maximum of 05% is recoverable from the supplier without prejudice to the right of BPSCL to procure the balance material at the risk & cost of the supplier.

- c) In the event of failure to supply the goods, or part thereof, within the contracted delivery period, BPSCL reserves the right to cancel the contract part thereof, and if so desired, to purchase the goods from alternate source at the risk and cost of the defaulting supplier.

3.09 Tenderer must agree to give guarantee of this product against defect due to poor workmanship and bad materials and unsatisfactory performance for a period of 12 months from the date of installation and 18 months from the date of supply which ever is earlier.

**For & on behalf of**  
**Bokaro Power Supply Company (Pvt.) Limited**  
**Sd/-**  
**(Rakesh Ranjan)**  
**Superintending Engineer (P&C)**

### **4.00 SCOPE OF WORK AND SERVICES**

The scope of work covers design, engineering, manufacture/fabrication, shop testing, packing, supply, transport to site, comprehensive insurance, unloading, unpacking, storage at site, site handling, preparation of installation drawings, fabrication, installation as per approved drawings, painting, PG testing / commissioning, and handing over of complete Passive Fire Protection system including fulfillment of guarantee of all the systems required for CPP & TPP of Bokaro Power Supply Company (Pvt.) Limited, Bokaro. The Passive Fire Protection system comprise of following items.

- a) Fire proof fire stop/barrier panels (For fire proof sealing of penetrations / opening of facilities like cable, trays and other associated utilities of power plant )
  - b) Fire resistant sealant ( for sealing of small gaps around cables, fire stops / barriers panels, trays and other utilities of power plant)
  - c) Fire Retardant coating for running cables and conduits and other utilities etc.
- The details of area to be covered by above items are indicated in annexure – II.

4.01 The scope of work and services to be rendered by the tenderer for installation of Passive Fire protection system shall include but not limited to the following activities.

- i. Design, engineering, manufacture/fabrication, assembly, shop testing and shop painting, sequential packing, delivery FOR site, unloading, unpacking, storage at site, site handling, preparation of installation drawings, erection as per approved drawings, site testing, painting, commissioning , handing over to purchaser and fulfillment of guarantee of Passive Fire Protection system under this technical specification.
- ii. Making of office and proper store for storage with watch & ward of all the supplied items at site to protect from theft and climatic conditions.
- iii. Pre commissioning check-up to ensure correctness of erection/installation as manufacturer's instruction.
- iv. Testing and commissioning inclusive of performance of type tests in presence of BPSCL Engineer as per applicable norms and TS.
- v. Rectification of defects if any and adjustments as necessary.
- vi. Final check-up and measurement for billing purpose.
- vii. Obtaining Engineers approval and written acceptance of satisfactory operation after fulfilling clause no. 04.01.(vi)
- viii. All the requirements for complete Passive Fire Protection system shall be considered by the successful Tenderer in their scope irrespective of whether the details are described in specification and/or shown in the drawings or not.
- ix. All installation accessories, consumables and miscellaneous materials, though not specifically indicated in this specification, but actually required for completing the job in all respects.
- x. All civil works such as chipping, breaking, cutting of the concrete/masonry to make hole, closing of the excess holes/gaps to bring the original condition after providing the passive fire system or any other civil work required for fixing / installation of the passive fire protection materials.
- xi. All necessary fixtures, supports.
- xii. Handing over of installation.
- xiii. Supply of all drawings, documents as specified elsewhere in the tender document / specification.

## 5.0 TECHNICAL SPECIFICATIONS FOR PASSIVE FIRE PROTECTION SYSTEM

### 5.01 Fire Stops / Barriers Panels System for Penetration / Opening

#### 5.01.01 General

Cable fire stops/barriers system shall be provided in following cases :

- a) Entry/Exit area of cable/cable trays in various compartments of cable gallery/basement/tunnels having different fire loads.
- b) Under control panel/any other panel where cables are entering or going out.
- c) In floor/wall openings on both sides.

These barriers shall provide effective compartmentation with fire rating of 3 hours. The Fire barrier system shall be smoke and gas tight, mechanically sound besides being an efficient fire stop. It shall be possible to take out cables and provide new cables from Fire Stops/barriers at site.

The following areas are to be covered by effective fire barrier system for penetrations / openings of cables / trays in accordance with the norms & specifications.

- i. Cable gallery under control room MCB.
- ii. Cable gallery under control room ECR - II.
- iii. Cable gallery under control room GCB - I, II, & CDF Room.
- iv. Cable gallery under control room UCR - I & II, & MCC Rooms of CPP.
- v. Cable gallery under TG # 1, 2, 3, 6, 7, 8 basements of TPP & CPP.
- vi. Cable gallery under 11KV Switch Gear of TPP.
- vii. Cable gallery under 11KV Switch Gear & LT Switch Gear of CPP.
- viii. Cable tunnels from 11KV Cable gallery to 6.6KV Cable gallery of TPP & CPP.
- ix. Cable gallery under 6.6KV Switch Gear of TPP & CPP.
- x. Cable gallery under Ball Mill basement of TPP.
- xi. Cable gallery under Bowl Mill basement of CPP.
- xii. Cable tunnels under ID Fan basement of TPP & CPP.

#### 5.01.02 **The fire stops / barriers shall satisfy the following technical requirements:**

5.01.02.01 The fire retardant sealing of cable penetration / openings of any size in walls or floors shall be done by providing fire stops / barriers which shall have a smoke tight & gastight fire resistant sealing around penetrating cables / cable-trays / ducts/conduits.

5.01.02.02 Fire stops / barriers shall have a fire rating of three (03) hours. The products shall be tested in UL / FM Global/LPCB and CBRI, Roorkee. Valid Test Certificates issued within last five (05) years, will have to be submitted along with the offer.

- 5.01.02.03 The Products shall be tested as per following standard / Norms.
- i. UL 1479
  - ii. BS 476 p-20
  - iii. IS 12458
  - iv. ASTM E814
  - v. DIN 4102 standards.
- 5.01.02.04 The products shall be approved & enlisted in UL/FM Global/LPCB/ CBRI, Roorkee for last five (05) years.
- 5.01.02.05 The fire stops / barriers shall also conform to the incombustibility test carried out in accordance with ISO 834.
- 5.01.02.06 It should be possible to retrofit additional of new cables, etc, without damage / without removal of the fire protection system anytime after installation. Openings shall be made by soft drilling / sharp knife to accommodate new penetrating items i.e. cables, pipes etc.
- 5.01.02.07 Fire stopping / barrier system shall be made water & weather resistant using fire retardant coating.
- 5.01.02.08 The design shall be such as to allow pre and post inspection of the materials used during and after execution of installation activities.
- 5.01.02.09 The fire stop / barrier system shall not adversely affect the ampacity (Current carrying capacity) of the protected cables by more than two per cent (02%).
- 5.01.02.10 The fire stops / barriers shall be completely gas and smoke tight besides being efficient fire seals.
- 5.01.02.11 The fire stops / barriers shall not contain flammable materials or solvents, which are toxic or release toxic gases during exposure to fire.
- 5.01.02.12 The materials used in the fire barrier / stop system shall have no shrinkage or cracking after prolonged use. The encasing panels shall not contain any material, which is prone to ageing or getting adversely affected by moisture, adverse weather conditions, or prone to damage by white ants / termites and rodents.
- 5.01.02.13 Asbestos shall not be used in the construction of fire stop / barrier materials.
- 5.01.02.14 The materials used in the system shall be non-hygroscopic.
- 5.01.02.15 The fire stop / barrier shall have a life expectancy of at least thirty (30) years after installation.
- 5.01.02.16 The system shall retain its integrity and perform satisfactorily even after remaining in water for long duration.
- 5.01.02.17 The materials used in the system shall not be corrosive but shall be anti-rodent.
- 5.01.02.18 The system shall be non-hazardous and should not emit any excess of smoke under exposure to fire.

- 5.01.02.19 The system shall have compatibility with FRLS PVC, PVC neoprene, silicone rubber sheathing materials, or similar materials used in manufacturing of cables.
- 5.01.02.20 The system shall be resistant to chemicals.
- 5.01.02.21 The material used for fire stops / barriers shall have high oxygen index (greater than 60%).
- 5.01.02.22 If cutout is circular in nature, round and spongy type of plug shall be used.
- 5.01.02.23 The system including reinforcing elements shall be capable of withstanding mechanical loads such as foot traffic, drop loads, vibrations, etc, through out the service life of approximately thirty (30) years.
- 5.01.02.24 All materials used for the entire fire stop / barrier system shall be freshly manufactured & have shelf life of at least twelve (12) months (at room temperature) from the date of receipt at plant site in packed condition before installation.
- 5.01.02.25 The tenderer shall supply and install fire retardant stop / barrier panels system made of the following, (or, equivalent panels): High Density Mineral Wool Panels coated with Fire Retardant coating used in combination with suitable sealant to close small gaps around the penetrating utility like cables, trays, floor/wall openings etc.
- 5.01.02.26 **High Density Mineral Wool Panels**
- i. HD Mineral Density shall be greater than 150 Kg / Cu.M.
  - ii. HD Mineral Wool Melting Point of Rock Fiber shall be greater than 1000 DegC.
  - iii. HD mineral Wool Specific Heat Capacity Cp shall be 0.84 KJ / (KGK).
  - iv. HD Mineral Wool Thermal Conductivity shall be 0.040 W / (mk).
  - v. HD Mineral Wool Compressive Strength at 10% compression shall be greater than 70KPa.
  - vi. HD Mineral Wool Print Load Resistance at 5m deformation Fp shall be greater than 800N.
- 5.02 **Fire Resistant Sealant**
- 5.02.01 **General**
- Fire Resistant Sealant shall be provided in following cases :
- i. Small gaps around the Fire stop/fir barriers for all the areas mentioned under clause no.05.01
  - ii. Small openings for cables/conduits where fire stop/barriers system can not be installed
- 5.02.02 **The Fire Resistant Sealant shall satisfy the following technical requirements:**
- 5.02.02.01 Sealant shall consist of tightly woven, durable fibre-glass cloth, consisting of water-based thermoplastic resins, inorganic incombustible fibres, fillers, pigments, various flame retardant chemicals and water insoluble expansion agents.

- 5.02.02.02 Sealant shall not contain asbestos or any other toxic substances.
- 5.02.02.03 Sealant shall not have any adverse effect on human skin or general health in any way either during application, or, while coming in contact with flame.
- 5.02.02.04 Sealant shall be odourless while dry & shall have negligible odour while wet.
- 5.02.02.05 Sealant shall be resistant to moisture or humidity, and shall be suitable for exterior application, and shall have no flash point.
- 5.02.02.06 All materials used for fire resistant sealant system shall be freshly manufactured & have shelf life of at least twelve (12) months (at room temperature) from the date of receipt at plant site in packed condition before installation.
- 5.02.02.07 Sealant shall be tested successfully as per UL / FM / DIN / IEC / BS / LPCB standards. Valid test certificates shall be submitted from recognized organizations such as UL / FM / LPCB and CBRI, Roorkee.
- 5.02.02.08 The products shall be approved / enlisted in UL/FM Global/LPCB/ CBRI, Roorkee for last five (05) years.

5.03 **Fire Retardant Cable Coating**

5.03.01 **General**

For vertical run of cables & PVC conduits, fire retardant coating will be provided for the whole length. For horizontal run of cables, 1 m length of fire retardant coating will be provided at every 16 m interval wherever cables cross any partition, wall, floor, compartment or pass through any opening, coating shall be provided for at least 1 m length on either side of wall, floor, compartment as well as 1m on either side of Fire stop/barrier system. Coating shall also be applied for all the cables entering below the panels.

Effective fire retardant coatings of cables are to be carried out by means of fire stitches, as per the relevant standards and norms applied for each specific case of the areas given below:

- i. Cable gallery under control room MCB.
- ii. Cable gallery under control room ECR – II.
- iii. Cable gallery under control room GCB – I, II, & CDF Room.
- iv. Cable gallery under control room UCR – I, II, & MCC Rooms of CPP.
- v. Cable gallery under TG # 1, 2, 3, 6, 7, 8 basements of TPP & CPP.

5.03.02 **The fire retardant coating for cables & other utilities shall following technical requirements:**

- 5.03.02.01 Fire coatings shall have minimum fire rating of 30 minutes. To achieve this fire resistance rating, thickness of the coating shall be decided as per relevant norms.
- 5.03.02.02 Fire Retardant coatings on cables & panels etc, shall retard fire and shall arrest its propagation in horizontal and vertical directions .

- 5.03.02.03 The Products shall be tested as per the following Standard / Norms.
- i. FM 3972
  - ii. IEC 332 – 3
  - iii. BS 476 (P.6 & P.7)
  - iv. DIN 4102, IEC 331,
  - v. CEI 20-22 (Fire survival)
- The test and approvals certificates shall be submitted.
- 5.03.02.04 The products shall be approved / enlisted in UL/FM Global/LPCB/ CBRI, Roorkee for last five (05) years.
- 5.03.02.05 Fire Retardant coatings shall prevent propagation of fire arising from internal short circuit of cables and fire arising due to external sources. Test and approvals certificates shall be Submitted.
- 5.03.02.06 Fire Retardant coatings shall be tested and approved for its Flammability, Di-Electric Strength, Effect of Salt water exposure. Test certificates shall be submitted.
- 5.03.02.07 Fire Retardant coatings shall not adversely affect the Ampacity, i.e., Current Carrying Capacity of protected cables by more than two per cent (02%). Test and approval certificates shall be made available.
- 5.03.02.08 LOI (Limited Value Index) value of Fire Retardant coatings shall be more than 95% (Tested as per ASTM D2863), test certificates shall be made available.
- 5.03.02.09 Fire Retardant coating shall be Water & Weather Resistant by itself after cure. Test Certificate shall be made available.
- 5.03.02.10 Fire Retardant coatings should not be affected even after prolonged exposure to high humidity, moisture, tap or rain water, UV radiation, outdoor environment, etc, which is to be verified by a twenty five (25) year test report in which no change or deterioration is to be shown.
- 5.03.02.11 Dermatology test certificate for Fire Retardant coatings shall be submitted. Certificates testifying no other health hazards of the product shall also be submitted.
- 5.03.02.12 Fire Retardant coatings shall be tough, permanent, non-intumescent, ablative type, water based, suitable for moisture & damp areas and lasting to the lifetime of the cables.
- 5.03.02.13 Fire Retardant coatings shall have good mechanical resistance and human health compatibility during application and also during its exposure to fire.
- 5.03.02.14 Fire Retardant coatings shall be compatible with various chemicals commonly used in industry. Chemical compatibility chart shall be made available.
- 5.03.02.15 Fire Retardant coatings applied on cables after curing shall be flexible enough to sustain movements and bending without any cracks or peeling-off of the coatings.

- 5.03.02.16 Fire Retardant coatings shall have thermal conductivity higher than that of the cable-insulation under normal working conditions.
- 5.03.02.17 Fire Retardant coatings shall be easily spray-able or brush-able. Installation Procedure shall be made available.
- 5.03.02.18 Fire Retardant coatings must not contain any organic solvents; coatings shall be compatible with cable jackets.
- 5.03.02.19 Fire Retardant coatings shall not require application of any solvents, or chemical cleaning of cables, etc, prior to its application.
- 5.03.02.20 Fire Retardant coatings shall not emit toxic gases or fumes during its application, or, when exposed to fire.
- 5.03.02.21 Fire Retardant coatings shall be non-toxic, solvent-free, phosphate-free and asbestos free or any of its derivatives. It shall also be free from Antimony and any materials that is identified as carcinogenic.
- 5.03.02.22 All materials used for the entire fire retardant cable coating shall be freshly manufactured & have shelf life of at least twelve (12) months (at room temperature) from the date of receipt at plant site in packed condition before installation.
- 5.03.02.23 Fire Retardant coatings shall have a life expectancy of at least thirty (30) years, which should be supported by UL / FM / LPCB and CBRI, Roorkee test certificates.

5.04 **Test Reports / Approval Certificates**

5.04.01 **General**

Latest Audit & Accredited Report on product manufacturing facility from UL / FM / LPCB and CBRI, Roorkee for the last 3 years from date of Notice Inviting Tender (NIT) shall be submitted by the tenderer for all the items covered under the scope of work.

5.04.02 **Fire Stops / Barriers Panels**

Test reports, not more than five (05) years old from date of notice inviting tender enquiry as well as Approval certificates for following tests shall be submitted:

- i. Fire Rating Test
- ii. Fire Endurance, Hose Stream Test and Temp measurement on non flaming side
- iii. Impact Test
- iv. Water Absorption Test followed by fire rating test
- v. Accelerated Ageing Test
- vi. The products shall be approved & enlisted in UL/FM Global/LPCB/ CBRI, Roorkee for last five (05) years

#### 5.04.03 **Fire Resistant Sealant**

As per UL / FM Standards & norms for fire retardant sealant.

#### 5.04.04 **Fire Retardant Coatings:**

- i. Test Certificate on Flame Spread as per BS 476p.7 (Flame Spread) & as per BS 476 p.6 (Fire Spread).
- ii. Flame Propagation on coated cables Test Certificate as per IEC 332-3.
- iii. Flame propagation on coated cables Test Certificate as per DIN 4102 p.1B1.
- iv. Circuit Integrity Test of coated cables as per IEC 331 (With coatings applied on cables & without coatings on cables).
- v. 100% LOI (Limited Oxygen Index) Test Certificate Acc to ASTM D2863.
- vi. The products shall be approved & enlisted in UL/FM Global/LPCB/CBRI, Roorkee for last five (05) years.

#### 5.04.05 **Written Declaration to be Submitted along with the Test Certificates**

A written declaration, duly signed by the authorized signatory of the agency, is also to be submitted, detailing whether the desired technical specifications (listed above) of the fire protection materials are matching with those of the products to be supplied, point by point, or not. A list of deviations, with reasons, if any, should also be submitted along with it. In case of any unjustified deviations, the associated products are liable to be rejected. The judgment of the engineer-in-charge of BPSCL will be final & abiding in this regard.

#### 5.04.06 **Important Note**

The Testing Laboratory or Testing Institute testing and issuing the subsequent test certificates shall be approved by the standard governing body, i.e., the testing laboratory / institute testing & issuing test certificates as per UL / IEC standards, should have written permission and approval from UL (Underwriter Laboratories) / IEC (International Electro Technical Commission) to conduct the tests and issue the test certificates. Properly authenticated (duly self attested) copy of the said approval shall be submitted. If required, the said approval shall be produced in original upon request.

Test certificates / approval certificates issued by non approved test labs / institutes will not be acceptable and the associated products will be summarily rejected in such a case.

#### 5.05 **Performance Guarantee**

The performance guarantee figures indicated in technical specification and relevant standards shall be guaranteed at least 1 year after completion of the passive fire protection system installation within the tolerance permitted by relevant codes and norms. In case of failure / defects of the equipments / materials to meet the guarantee after installation and handing over, the equipment / materials shall be replaced / installed without any cost implication.

## Section VI

6.00

### BILL OF QUANTITY

Sl.No.	Material Description	Unit	Quantity
1.	Fire proof fire stop / barrier panels (for fire proof sealing of penetrations / openings of facilities like cables, trays, other associated utilities etc.).	Sq.m	68.00
2.	Fire resistant sealant (for sealing of small gaps around cables, trays, other utilities etc.)	Kg	33.20
3.	Fire retardant coating (for fire retardant coating of utilities like cables, etc.).	Kg	2216.50

**For & on behalf of**  
**Bokaro Power Supply Company (Pvt.) Limited**  
Sd/= **(Rakesh Ranjan)**  
**Superintending Engineer (P&C)**

**Bokaro Power Supply Company (Pvt.) Limited**  
**(A Joint Venture of SAIL & DVC)**  
**PART 'A'**

**Tender Form/ Bid Proposal Sheet**

**Enquiry/NIT No.** BPSCL/CEO/P&C/08-09/ PUR-083/NIT-150/9921

Date: 19.02.2009

1.

Date of Opening            23            03            2009  
    Day    Month            Year

2. Name of the firm : M/s .....  
     Phone No. .... Fax No. .... Email .....

3. Address of the firm :

- a.            Head Office            :
- b.            Registered Office :
- c.            Local/Branch Office :
- d.            Works                    :
- e.            Authorised Distributor/Agent, If any :

4. Registered with     
     ('01' NSIC/ '02' SSI/ '03' NSIC & SSI/ '04' DGS&D/ '05' None)  
     Proof for '01' to '04' attached: YES / NO

5. Manufacturer/ Make of the item(s):  
     M/s .....  
     (annexure may be attached)

5. (a)        Specify relevant specification No. ....

(b)        Whether Certified by BIS or any other     
             International Standard.  
             ('01' Yes/ '02' No) ?

(c)        Whether Certified by ISO?     
             ('01' Yes/ '02' No) ?

6. Furnished along with the offer / tender

(a)        Technical Literature     
             ('01' Yes/ '02' No) ?

(b)        Drawing     
             ('01' Yes/ '02' No) ?

(c)        Sample     
             ('01' Yes/ '02' No) ?

7. To be furnished

(a) Drawing within    days of date of the P.O.

(b) Sample within    days of date of the P.O.

8. Delivery (a) at

(‘01’ Consignee Site / ‘02’ Works / ‘03’ Consignee’s nearest Transporters godown / Railway Station)

(b) Period  days from

(‘01’ Date of P.O./ ‘02’ Date of approval of Drawing/ ‘03’ Date of approval of Sample / ‘04’ Date of Issue of guiding sample)

9. Inspection: At

(‘01’ Consignee’s Site / ‘02’ Works / ‘03’ Airport or Dock / ‘4’Specify if any other)

10. Testing: At

(‘01’ Consignee’s Site / ‘2’ Works / ‘03’ Govt. Test House/ ‘04’ Govt. Approved Test House/ ‘5’ Specify if any other)

11. Guaranteed Period:

a) ..... months from date of dispatch and  
..... months from the date of commissioning whichever is earlier

b) ..... of running hours.

12. Security Deposit : 10% of value of P.O. in the form of

(‘01’ BG ‘02’ Bank Draft/ ‘03’ Bankers Cheque / ‘04’ Retention from Bill)

13. Security Deposit cum performance Guarantee: 10%  
of value of P.O. in the form of

(‘01’ BG ‘02’ Bank Draft/ ‘03’ Bankers Cheque / ‘04’ Retention from Bill)

14. Liquidated Damage: 1/2 % per week subject to maximum  
05% of undelivered value.

15. Validity of offer upto:

Minimum for a period Day Month Year  
of 90 days from the date of opening)

# Bokaro Power Supply Company (Pvt.) Limited

(A Joint Venture of SAIL & DVC)

## PART 'B'

### Commercial Terms

Enquiry/NIT No. BPSCL/CEO/P&C/08-09/ PUR-083/NIT-150/9921

Date: 19.02.2009

Price:

S.No.	Item Description	Quantity	Rate/ Unit	Excise Duty	Sales Tax	Amount after rebate/ discount (Rs)
1	Fire proof fire stop / barrier panels (for fire proof sealing of penetrations / openings of facilities like cables, trays, other associated utilities etc.).	68.0 Sq.m				
2	Fire resistant sealant (for sealing of small gaps around cables, trays, other utilities etc.)	33.20 Kg				
3	Fire retardant coating (for fire retardant coating of utilities like cables, etc.).	2216.50 Kg				

1. Note :

- Freight, insurance, packing, forwarding etc. to be mentioned separately & Clearly
- Conditional offer is liable to be rejected.

2. Price Based on:

(01 door delivery at BPSCL Stores site/ '02' up to Transporters godown nearest to BPSCL Stores / '03' F.O.R. Destination nearest to Railway Station / '04' Ex-works or showroom or godown / '05' F.O.R. Dispatching Railway station).

3. Discount / Rebate:

('00' Not Applicable. Other wise mention percentage on quoted basic price)

4. Packing:

('00' Not Applicable. Other wise mention percentage on quoted basic price)

**Note:** If not indicated 1% on quoted basic price against packing will be loaded for the purpose of ranking of offer.

5. Forwarding : 

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(‘00’ Not Applicable. Other wise mention percentage on quoted basic price)

**Note:** If not indicated 1% on quoted basic price against forwarding will be loaded for the purpose of ranking of offer.

6. Sales Tax : 

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 (‘00’ Inclusive with Concession Form/’01’ Inclusive without Concession Form/’02’ Not Applicable/’03’ Extra  
If ‘03’ mention percentage on quoted price. ....%.

**Note:** If not indicated the current Sales Tax with or without concession form will be loaded for the purpose of ranking of offer.

7. Surcharge on Sales Tax: 

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 (‘00’ Inclusive with Concession Form/’01’ Inclusive without Concession Form/’02’ Not Applicable/’03’ Extra  
If ‘03’ mention percentage on quoted price. ....%.

**Note:** If not indicated the current surcharge on Sales Tax if applicable will be loaded for the purpose of ranking of offer.

8. Service Charge : 

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 %  
(If applicable, indicate percentage on quoted basic price.)

9. Excise Duty: 

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 (‘00’ Inclusive /’01’ Not Applicable/’02’ Extra  
If ‘02’ mention percentage on quoted price. ....%.

**Note:** If not indicated the current Excise Duty will be loaded for the purpose of ranking of offer.

10. Basis of Excise Duty: 

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(‘01’ Firm/’02’ AS applicable at the time of delivery)

**Note:** If ‘02’ 16% of excise duty will be loaded for the purpose of ranking of offer.

11. Special Excise Duty (Education cess): 

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 (‘00’ Inclusive /’01’ Not Applicable/’02’ Extra  
If ‘02’ mention percentage on quoted price. ....%.

**Note:** If not indicated the current Special Excise Duty will be loaded for the purpose of ranking of offer.

12. Basis of Special Excise Duty: 

--	--

  
(‘01’ Firm/’02’ As applicable at the time of delivery)

**Note:** If ‘02’ 03% of excise duty will be loaded for the purpose of ranking of offer.

13. Octroi /any other Levy: 

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 (‘00’ Inclusive /’01’ Not Applicable/’02’ Extra)  
If ‘02’ mention percentage on quoted price. ....%.

**Note:** If not indicated the current Octroi / any other Levy will be loaded for the purpose of ranking of offer.

14. Freight Charge: 

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( '00' Inclusive / '01' Not Applicable/ '02' Free Delivery/  
'03' Freight Charge in percentage on quoted basic price .....%  
or in lump sum.) Rs.....

**Note:** If not indicated 3% on quoted basic price will be loaded for the ranking purpose and payment will be restricted at actual but not exceeding 3% of quoted price.

15. Basis of Freight Charge: 

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( '01' Firm / '02' at actual against documentary evidence  
through Bank Approved Transporter )

**Note:** If '02' 05% of Freight Charge will be loaded for the purpose of ranking of offer.

16. Freight Charges based on : 

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( '01' by Road / '02' by rail on freight paid basis/ '03' through messenger or courier)

17. Payment Terms: 

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( '01' BPSCL payment terms 100% within 30 days after receipt  
of materials in good condition/ '02' Any other, specify .....

**Note:** I) If payment is made through bank, bank charges to be borne by the firm.  
II) Advance/ Payment against PI is not allowed.

18. Insurance: 

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( '01' against BPSCL Open Transit Policy/ '02' Any Other  
specify with percentage .....

**Note:** i) Against '01' the actual percentage of BPSCL's Open Transit Policy will be loaded.  
ii) Against '02' & '03' percentage indicated by the firm will be loaded.  
iii) If silent, 0.15% will be loaded.