

Bokaro Power Supply Co. (P) Ltd.

(A Joint Venture of SAIL & DVC)

Hall No.: M-01, Old ADM Building, Ispat Bhavan, B.S.City-827001

Ref.No. BPSCL/CEO/P&C/08-09/PUR-083/NIT-150/367

Date: 25.04.2009

Amendment of / Corrigendum to Clauses of Enquiry No. BPSCL/CEO/P&C/08-09/PUR-083/NIT-150/9921 dated 19.02.2009 & Extension of Bid Opening date.

The following clauses of NIT are amended as indicated below:

Sl.No.	NIT Clause No.	Amended as
1.	Material description Sl.No. 1 (Page no.3)	Fire proof fire stop / barrier systems (for fire proof sealing of penetrations / openings of facilities like cables, small gaps around cables, trays and other associated utilities etc.
2.	Material description Sl.No. 2 (Page no.3)	Deleted.
3.	Material description Sl.No. 3 (Page no.3)	Amended as Sl.No. 2.
4.	QR for bidders Sl.No. 2 (Page no.3)	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 stop / barrier system (For fire proof sealing of penetrations / opening of facilities like cable, small gaps around cables, trays and other associated utilities of power plant) b) Fire Retardant coating for cables
5.	QR for bidders, Sl.No. 5 & 6 (Page no.3)	"And" replaced by "/"
6.	2.07 (Page no.7)	Tenderer shall furnish test certificate from UL/FM/LPCB/CBRI Roorkee along with supply.
7.	3.01.12 (Page no.10)	Tenderer shall note that No foreign exchange or import license for importing equipment, components, raw materials or spares will be arranged for or provided by the purchaser. In case the equipment offered involved expenditure in foreign exchange, same shall be arranged by the tenderer.
8.	3.01.22 (Page no.11)	<u>1st Para 1st Line</u> "Contractor" shall be replaced by "Contractor or his Sub-contractor".

Sl.No.	NIT Clause No.	Amended as
9.	Added 3.01.23 (Page no.11)	The contractor shall take the necessary approval from the purchaser for engaging the sub contractor with all credential documents. Purchaser reserves the right to accept/reject approval for sub contractor.
10.	3.02.01-1 st Para, 2 nd Line (Page no.11)	The word "panels" will be replaced by "systems".
11.	3.02.02 Sub Clause vi. (Page no.12)	Deleted. Next sub- clause is to be numbered "vi"
12.	3.02.02 Sub Clause vii. (Page no.12)	vi. Installation, performance guarantee test procedures.
13.	3.04 (Page no.13)	4 th Para 1 st Line "M/s Lloyds Inspection" shall be replaced by "M/s Lloyds Register"
14.	4.00 (Page no.15)	The scope of work covers design, engineering, manufacture, shop testing, packing, supply, transport to site, comprehensive insurance, unloading, unpacking, storage at site, site handling, preparation of installation drawings, installation as per approved drawings 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 stop / barrier Systems complete in all respect including fixtures / supports etc. (For fire proof sealing of penetrations / opening of facilities like cable, small gaps around cables trays and other associated utilities of power plant) b. Fire Retardant coating for running cables and conduits and other utilities etc.
15.	4.01 Sub clause i. (Page no.15)	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, handing over to purchaser and fulfillment of guarantee of Passive Fire Protection system under this technical specification.
16.	4.01 Sub clause iv. (Page no.15)	Deleted. All the subsequent sub clauses to be sequentially numbered "iv" to "xii".
17.	5.01(Page no.16)	"Panels" word removed
18.	5.01.02 (Page no.16)	Add word "system" after word Barriers.
19.	5.01.02.01 (2 nd Line, Page no.16)	Add word "system" after word Barrier.

Sl.No.	NIT Clause No.	Amended as
20.	5.01.02.02 (2 nd Line, Page no.16)	“and” replaced by “/”
21.	5.01.02.07 (Page no.17)	Fire stop / barrier system shall be water and weather resistant.
22.	5.01.02.12 (2 nd Line, Page no.17)	“encasing panels” replaced by “system”
23.	5.01.02.25 (Page no.18)	The tenderer shall supply and install fire retardant stop / barrier system complete in all respect to achieve the specification requirement. The system shall consist of fire retardant stop / barrier material, sealant, fire retardant coating, fixtures / supports etc, or other technological innovations. Fire stop / barrier system shall be capable to take care of man and equipment movement load.
24.	5.01.02.26 (Page no.18)	<p>Tenderer shall note that various type of cables such as HT, LT, power, control, instrumentation etc. are available in TPP & CPP area. Cable tray arrangement is also of varying nature. Opening size of cables, cable trays etc. to be sealed by passive fire stop / barrier system also varies. Only prominent occurring opening size / cable tray arrangement are given below. For exact assessment of the cable types, arrangement of cable trays and opening sizes to be sealed, tenderer is requested to visit the site before submitting the offer.</p> <p>Tenderer shall submit guarantee certificates for fire stop/barrier system for all existing cable trays arrangements / opening sizes as per site condition.</p> <p>Prominent occurring opening size / cable arrangement are given below:- Size: 200cm x 50cm, with cables: 3.5C x 180sq. mm (02 Nos.), 3.5C x 85sq. mm (03 Nos.), 3.5C x 35sq. mm (03 Nos.), 3.5C x 25sq. mm (04 Nos.), 3.5C x 10sq. mm (17 Nos.) through conduits / trays.</p>
25.	5.02.01 (Page no.18)	Fire resistant sealant material shall be provided for fire stop / barrier system mentioned in clause no. 5.01.01 as a part of the fire stop/barrier system.
26.	5.02.02.01 (Page no.19)	Sealant shall consist of water-based thermoplastic resins, inorganic incombustible fibres, fillers, pigments, various flame retardant chemicals and water insoluble expansion agents, or other suitable technological innovations.
27.	5.03.02.03 (Page no.20)	<p>The Products shall be tested as per the following Standard / Norms.</p> <ul style="list-style-type: none"> i. FM 3971 ii. IEC 332 – 3 / DIN 4102 iii. BS 476 (P.6 & P.7) <p>The test and approvals certificates shall be submitted.</p>
28.	5.03.02.12 (Page no.20)	Fire Retardant coatings shall be tough, permanent type, suitable for moisture filled & damp areas and lasting to the lifetime of the

Sl.No.	NIT Clause No.	Amended as
		cables.
29.	5.04.02 (Page no.21)	Word "Panel" replaced by word "system" in main heading.
30.	5.04.02 Sub clause (iv) (Page No. 21)	Deleted. Subsequent sub-clauses are to be numbered "iv" & "v" sequentially.

31.	5.04.04 (Page no.22)	<p>Fire Retardant Coatings:</p> <p>i. Test Certificate on Flame Spread as per BS 476p.7 (Flame Spread) & as per BS 476 p.6 (Fire Spread).</p> <p>ii. Flame Propagation on coated cables Test Certificate as per IEC 332-3 or Flame propagation on coated cables Test Certificate as per DIN 4102.</p> <p>iii. Circuit Integrity Test of coated cables as per IEC 332 (With coatings applied on cables).</p> <p>iv. 100% LOI (Limited Oxygen Index) Test Certificate Acc to ASTM D2863.</p> <p>v. The products shall be approved & enlisted in UL/FM Global/LPCB/ CBRI, Roorkee for last five (05) years.</p>												
32.	5.04.06 (Page no.22)	Deleted.												
33.	6.00 (Page no.23)	<table border="1"> <thead> <tr> <th>Sl.No.</th> <th>Material Description</th> <th>Unit</th> <th>Quantity</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Fire stop / barrier system complete in all respect including fixtures / supports etc. (for fire proof sealing of penetrations / openings of facilities like cables, small gaps around cables, trays and associated utilities etc.) –</td> <td>Sq.m</td> <td>68.00</td> </tr> <tr> <td>2.</td> <td>Fire retardant coating (for fire retardant coating of utilities like cables, etc.).</td> <td>Kg</td> <td>2216.50</td> </tr> </tbody> </table>	Sl.No.	Material Description	Unit	Quantity	1.	Fire stop / barrier system complete in all respect including fixtures / supports etc. (for fire proof sealing of penetrations / openings of facilities like cables, small gaps around cables, trays and associated utilities etc.) –	Sq.m	68.00	2.	Fire retardant coating (for fire retardant coating of utilities like cables, etc.).	Kg	2216.50
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With reference to our NIT No. BPSCL/CEO/P&C/08-09/PUR-083/NIT-150/9921 dated 19.02.2009 for supply & installation of Passive Fire Protection Materials for Cable Galleries please be informed that due to aforesaid reasons **Bid Opening date is accordingly extended up to 11.05.2009(at 3:30 PM)**, all other terms and condition will remain same.

Sd/-
(Rakesh Ranjan)
Superintending Engineer (P&C)