

**PROJECT: 2X500 MW SAGARDIGHI PROJECT**

**PACKAGE: FIRE SEALING SYSTEM**

**Price Schedule for MAIN SUPPLY**

**ANNEXURE-I TO ENQUIRY NO. PW/PE/PG/SGD/E-4131/13 Dt:- 06.09.13**

SL. NO.	DESCRIPTION	ORDER QUANTITY	LOT 1	UNIT EX-WORKS INCLUDING PACKING & FORWARDING  (Rs.)	TOTAL EX-WORKS INCLUDING PACKING & FORWARDING  (Rs.)	EXCISE DUTY @ 12.36%	CST / VAT @ .....%	Service Tax @12.36% on E&C Charges/Type Test Charges  (Rs.)	FREIGHT INCLUDING SERVICE TAX IF ANY @ .....% w.r.t. total Ex-works price (Rs.)	TOTAL FOR SITE PRICE  (Rs.)
A1	FLOOR OPENINGS BELOW PANELS (Floor thickness 200mm approx.)	1100 Sq Mtr	770 Sq Mtr			NIL FOR THIS PROJECT AGAINST EXEMPTION DOCS.		NA		
A2	FLOOR OPENINGS (Floor thickness 200mm approx.)	200 Sq Mtr	140 Sq Mtr					NA		
A3	WALL OPENING (Wall thickness 250 mm approx.)	125 Sq Mtr	88 Sq Mtr					NA		
A4	PIPE SLEEVES (200NB Pipes)	250 Nos.	175 Nos.					NA		
A5	COATING MATERIAL ON CABLES							NA		
	a) CABLES (LAID ON 600mm/ 450mm/ 300mm/ 150mm WIDE TRAYS TO BE COATED with 2mm thickness UPTO LENGTH OF 500mm.)	6500 Sq Mtr (*)	4550 Sq Mtr (*)					NA		
A6	TOOLS AND ACCESSORIES REQUIRED FOR ADDITION OR REMOVAL OF CABLES AFTER THE SEAL IS MADE. THIS SHALL INCLUDE SPECIAL TOOLS, COMPOUND INJECTION GUNS, SPRAY GUNS, ETC. (As applicable)	1 SET	1 SET					NA		
A	Total							NA		
B	E & C Charges (Breakup of E & C charges are as per Annexure - II)					NA	NA		NA	
C	Type Test Charges (Breakup of Type Test charges are as per Annexure - III)					NA	NA		NA	
D	TOTAL VALUE OF PACAKGE i.e A + B + C									

(\*) This is the total surface area of cables to be coated.

**NOTES**

- 1) The fire sealing area indicated under Column "Ordered Quantity" above shall be considered for ordering purposes. Bidder shall indicate the quantity of material required to be supplied per square metre, which shall be used for billing purposes of the supply portion after review and acceptance. However, the vendor shall supply the actual material necessary for meeting the specified area requirements as per type-tested arrangement without any commercial implication.
- 2) LOT 1 Quantity shall be released along with LOI/PO.
- 3) Quantity variation shall be limited to (-)30% to (+)30% of the contract value arrived at on the basis of the total ordered quantities. LOT 1 quantity shall be cleared for supply along with the LOI/ PO. However, supplies of quantities shall be made only after after approval of drawings, datasheets, quality documentation and successful completion of type testing (if required).
- 4) Successful bidder is responsible for estimation of additional quantities based on site conditions and work progress. The estimates shall be used by BHEL as inputs for clearing further quantities. These activities shall be completed within the overall contractual period.
- 5) Total price quoted for items A, B & C above shall be used for price comparison purpose.
- 6) Unit prices for supply and installation shall be quoted in line with clause no. 8.3, Section D of specification.
- 7) For Type Tests refer clause no. 4.7 of Section-C of specification.

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**Price Schedule for E & C Charges**

**ANNEXURE-II TO ENQUIRY NO. PW/PE/PG/SGD/E-4131/13, Dt:- 06.09.13**

<b>S.No.</b>	<b>Breakup of E &amp; C Charges</b>	<b>ORDER QUANTITY  (IN SQ. METRE)/(NOS.)</b>	<b>LOT 1  (IN SQ. METRE)/(NOS.)</b>	<b>Unit Price (Rs.)</b>	<b>Total Price (Rs.)</b>	<b>Service Tax @ 12.36% (Rs.)</b>	<b>Total E &amp; C Charges including service tax (Rs.)</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6 = 3*5</b>	<b>7 = 6 *12.36%</b>	<b>8 = 6+7</b>
B1	FLOOR OPENINGS BELOW PANELS (Floor thickness 200mm approx.)	1100 Sq Mtr	770 Sq Mtr				
B2	FLOOR OPENINGS (Floor thickness 200mm approx.)	200 Sq Mtr	140 Sq Mtr				
B3	WALL OPENING (Wall thickness 250 mm approx.)	125 Sq Mtr	88 Sq Mtr				
B4	PIPE SLEEVES (200NB Pipes)	250 Nos.	175 Nos.				
B5	COATING MATERIAL ON CABLES						
	a) CABLES (LAID ON 600mm/ 450mm/ 300mm/ 150mm WIDE TRAYS TO BE COATED with 2mm thickness UPTO LENGTH OF 500mm.)	6500 Sq Mtr (*)	4550 Sq Mtr (*)				
<b>B</b>	<b>TOTAL OF E &amp; C CHARGES</b>						

**NOTE:** Unit prices for supply and installation shall be quoted in line with clause no. 8.3, Section D of specification

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**Price Schedule for TYPE TEST**

**ANNEXURE-III TO ENQUIRY NO. PW/PE/PG/SGD/E-4131/13, Dt:- 06.09.13**

<b>S.No.</b>	<b>Description</b>	<b>Unit Price (Rs.)</b>	<b>Service Tax @ 12.36% (Rs.)</b>	<b>Total Type Test charges including service tax (Rs.)</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>C</b>	<b>The type tests for fireproof sealing system for floor/wall opening/fire stop system for bottom of Electrical Switchgear MCCs/Panel</b>			
C1	Fire rating test			
C2	Hose stream test			
C3	Accelerated ageing test			
C4	Fire rating test on the penetration seal system built of accelerated aged components followed by Hose stream Test			
C5	Water absorption test followed by fire rating test			
C6	Temperature rise test for cable in fire stop			
C7	Anti rodent test			
C8	Flammability test as per IEC-332-1 & IEEE 383			
C9	Limiting oxygen index test as per ASTM D-2863.			
	<b>TOTAL OF TYPE TEST CHARGES</b>			

**NOTES:**

1. The detailed test procedure for each of these tests is to be indicated by the successful bidder after the award of contract and is subject to approval by Owner/ Consultant.
2. For Type Tests refer clause no. 4.7 of Section-C of specification.

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**Price Schedule for CIVIL WORKS (Optional)**

**ANNEXURE-IV TO ENQUIRY NO. PW/PE/PG/SGD/E-4131/13, Dt:-06.09.13**

<b>S.No.</b>	<b>Description</b>	<b>Unit</b>	<b>Unit Price (Rs.)</b>
<b>E(a)</b>	<b>ENLARGEMENT OF PENETRATION AREA IN</b>		
(i)	BRICK WALL	sq. m.	
(ii)	CONCRETE WALL	sq. m.	
(iii)	FLOORS	sq. m.	
<b>E(b)</b>	<b>REDUCTION OF PENETRATION AREA IN</b>		
(i)	BRICK WALL	sq. m.	
(ii)	CONCRETE WALL	sq. m.	
(iii)	FLOORS	sq. m.	
<b>E</b>	<b>TOTAL OF CIVIL WORKS</b>		

**NOTE:** Unit rates for civil works shall be as per clause no. 8.3 (g) of Section-D of specification.