



2X660 MW SURATGARH STPS, STAGE-V / SCREENED CONTROL CABLES

Ref No. : PE/PG/SG5/E-4231/13

Date: 19.11.2013

CORRIGENDA / ADDENDA-1

Tender Enquiry no.: PE/PG/SG5/E-4231/13

Date: 12.11.2013

DUE DATE
05-Dec-13
BY 02.00 PM

1. Price format for foreign bidder against Tender Enquiry PE/PG/SG5/E-4231/13 dated 12.11.13 is attached in the annexure. All foreign bidders are requested to quote accordingly.
2. Please note that there are small typographical errors in FINANCIAL PQR & Annexure-III. "SCREENED CONTROL VALVES" in FINANCIAL PQR may please be read as "SCREENED CONTROL CABLES". "ANNEXURE-I" in INFORMATION AND GENERAL TERMS AND CONDITIONS GOVERNING RA annexure may please be read as "ANNEXURE-III".

With Regards,
For & on behalf of BHEL

Rohit Juneja
ENGINEER/PG-II-1

Please reply to:

Rohit Juneja
PG-II-1

Power Project Engineering Institute Building
HRD & ESI Complex Plot No. 25, Sector -16 A,
BHEL-PEM,Noida-201301 (U.P.)
Tel No. 0120-4368848, Fax: 0120-4329106

**2 X 660 MW SURATGARH SUPERCRITICAL TPS UNIT # 7 & 8; STAGE-V
BOQ-CUM-PRICE FORMAT FOR SCREENED CONTROL CABLES (MANDATORY SPARES)
FOR FOREIGN BIDDERS**

2.1) Individual & Overall Screened Cable (Type-F)

1100V grade twisted paired cable with stranded high conductivity annealed, tinned copper extruded PVC insulation (Type-A), individual & overall screened with Aluminium Mylar tape & drain wire, extruded PVC inner sheath (Type ST1), Galvanised steel round wire(if dia under armour is upto 13 mm) or formed wire(if dia under armour is more than 13 mm) armour as per IS 3975 and IS 1554 part-I, with overall FRLS PVC outer sheath (Type ST1), generally conforming to IS:1554 Part-I (latest)

S.No.	Item Code	Item Description	UOM	Ordered Quantity	LOT-1 Quantity	Unit F.O.B PRICE (CURRENCY)	TOTAL F.O.B. PRICE (CURRENCY)
2.1.1	507-3100-B	1.1KV TYPE F(IO) 2P - 0.5 ARMoured	KM	1	1		
2.1.2		1.1KV TYPE F(IO) 4P - 0.5 ARMoured	KM	1	1		
2.1.3		1.1KV TYPE F(IO) 8P - 0.5 ARMoured	KM	1	1		
2.1.4		1.1KV TYPE F(IO) 12P - 0.5 ARMoured	KM	1	1		
2.1.5		1.1KV TYPE F(IO) 20P - 0.5 ARMoured	KM	0.5	0.5		
	VALUE (A)						

2.2) Overall Screened Cable (Type-G)

1100V grade twisted paired cable with stranded high conductivity annealed, tinned copper extruded PVC insulation (Type-A), overall screened with Aluminium Mylar tape & drain wire, extruded PVC inner sheath (Type ST1), Galvanised steel round wire(if dia under armour is upto 13 mm) or formed wire(if dia under armour is more than 13 mm) armour as per IS 3975 and IS 1554 part-I, with overall FRLS PVC outer sheath (Type ST1), generally conforming to IS:1554 Part-I (latest).



**2 X 660 MW SURATGARH SUPERCRITICAL TPS UNIT # 7 & 8; STAGE-V
BOQ-CUM-PRICE FORMAT FOR SCREENED CONTROL CABLES (MANDATORY SPARES)
FOR FOREIGN BIDDERS**

S.No.	Item code	Item Description	UOM	Ordered Quantity	LOT-1 Quantity	Unit F.O.B PRICE (CURRENCY)	TOTAL F.O.B. PRICE (CURRENCY)
2.2.1		1.1KV TYPE G(O) 2P - 0.5 ARMoured	KM	1	1		
2.2.2		1.1KV TYPE G(O) 4P - 0.5 ARMoured	KM	1	1		
2.2.3	507-3100-B	1.1KV TYPE G(O) 8P - 0.5 ARMoured	KM	1	1		
2.2.4		1.1KV TYPE G(O) 12P - 0.5 ARMoured	KM	1	1		
2.2.5		1.1KV TYPE G(O) 2P - 0.75 ARMoured CONDUCTOR , STRAND DIAMETER 0.193mm)	KM	1	1		
2.2.6	507-3100-B	1.1KV TYPE G(O) 4P - 0.5 ARMoured CONDUCTOR , STRAND DIAMETER 0.193mm)	KM	1	1		
		VALUE (B)					
		TOTAL VALUE (A+B)					

NOTES :

1 Quantities indicated above at S. No. 2.1 & 2.2(mandatory spares) shall be known as Order Quantities(mandatory spares). The quantities are firm & there is no variation in the ordered quantities.

**2 X 660 MW SURATGARH SUPERCRITICAL TPS UNIT # 7 & 8; STAGE-V
BOQ-CUM-PRICE FORMAT FOR SCREENED CONTROL CABLES (MANDATORY SPARES)
FOR FOREIGN BIDDERS**

- 2 The LOT-1 quantities, which are indicated above, shall be released for manufacture along with LOI. However, manufacturing of LOT-1 quantities shall be done after the approval of technical and quality documentation.
- 3 Delivery schedule shall be as per NIT.
- 4 The bidder shall indicate the unit price of each type and size of cables listed as per the BOQ in the Price Schedule. The unit price shall apply for adjustment of variation in quantity as stipulated above.
- 5 Overall variation on dispatched quantity of each size shall be (+) 0%. Cables consumed for testing and inspection shall be to bidder's account.
- 6 The tolerance of drum length shall be 0%.
- 7 In case of the quantities of any one lot cleared by BHEL for manufacturing are manufactured and offered for inspection by successful bidder in more than one batch, BHEL reserves the right to witness type testing on all batches without any price implications.
- 8 Type Test charges are deemed to be included in price of cables. No separate Type Test charges to be quoted by bidder.
- 9 The charges of Hydrolytic Stability test, if asked to perform shall be reimbursed extra at actual against original money receipt of Govt. lab (CPRI/ERDA).
- 10 Bidder to note that for evaluation of bids in foreign currency, exchange rate (TT selling rate of State Bank of India) as on scheduled date of tender opening (Part-I bid in case of two part bid) shall be considered."
- 11 In case of foreign bidders the quoted F.O.B . price shall be loaded as per clause no. 19.4 of instruction to Bidders and clause no. 9.7 of General Commercial Terms and Conditions of GCC Rev. 05 to arrive at TOTAL F.O.R site price for evaluation.



**2 X 660 MW SURATGARH SUPERCRITICAL TPS UNIT # 7 & 8; STAGE-V
BOQ-CUM-PRICE FORMAT FOR SCREENED CONTROL CABLES (MAIN SUPPLY) FOR
FOREIGN BIDDERS**

1.1) Individual & Overall Screened Cable (Type-F)

1100V grade twisted paired cable with stranded high conductivity annealed, tinned copper extruded PVC insulation (Type-A), individual & overall screened with Aluminium Mylar tape & drain wire, extruded PVC inner sheath (Type ST1), Galvanised steel round wire(if dia under armour is upto 13 mm) or formed wire(if dia under armour is more than 13 mm) armour as per IS 3975 and IS 1554 part-I, with overall FRLS PVC outer sheath (Type ST1), generally conforming to IS:1554 Part-I (latest)

S.No.	Item Code	Item Description	UOM	Ordered Quantity	LOT-1 Quantity	Unit F.O.B. PRICE (CURRENCY)	TOTAL F.O.B. PRICE (CURRENCY)
1.1.1	507-31116-A	1.1KV TYPE F(IO) 2P - 0.5 ARMoured	KM	45	32		
1.1.2	507-31009-A	1.1KV TYPE F(IO) 4P - 0.5 ARMoured	KM	110	77		
1.1.3	507-31013-A	1.1KV TYPE F(IO) 8P - 0.5 ARMoured	KM	41	29		
1.1.4	507-31001-A	1.1KV TYPE F(IO) 12P - 0.5 ARMoured	KM	26	18		
1.1.5	507-31005-A	1.1KV TYPE F(IO) 20P - 0.5 ARMoured	KM	20	14		
		VALUE (A)					

1.2) Overall Screened Cable (Type-G)

1100V grade twisted paired cable with stranded high conductivity annealed, tinned copper extruded PVC insulation (Type-A), overall screened with Aluminium Mylar tape & drain wire, extruded PVC inner sheath (Type ST1), Galvanised steel round wire(if dia under armour is upto 13 mm) or formed wire(if dia under armour is more than 13 mm) armour as per IS 3975 and IS 1554 part-I, with overall FRLS PVC outer sheath (Type ST1), generally conforming to IS:1554 Part-I (latest).

2 X 660 MW SURATGARH SUPERCRITICAL TPS UNIT # 7 & 8; STAGE-V

BOQ-CUM-PRICE FORMAT FOR SCREENED CONTROL CABLES (MAIN SUPPLY) FOR FOREIGN BIDDERS

S.No.	Item code	Item Description	UOM	Ordered Quantity	LOT-1 Quantity	Unit F.O.B. PRICE (CURRENCY)	TOTAL F.O.B. PRICE (CURRENCY)
1.2.1	507-31025-A	1.1KV TYPE G(O) 2P - 0.5 ARMoured	KM	26	18		
1.2.2	507-31029-A	1.1KV TYPE G(O) 4P - 0.5 ARMoured	KM	210	147		
1.2.3	507-31033-A	1.1KV TYPE G(O) 8P - 0.5 ARMoured	KM	186	130		
1.2.4	507-31017-A	1.1KV TYPE G(O) 12P - 0.5 ARMoured	KM	91	64		
1.2.5	507-31115-A	1.1KV TYPE G(O) 2P - 0.75 ARMoured CONDUCTOR , STRAND DIAMETER 0.193mm)	KM	5	3		
1.2.6	507-3117-A	1.1KV TYPE G(O) 4P - 0.5 ARMoured CONDUCTOR , STRAND DIAMETER 0.193mm)	KM	47	33		
		VALUE (B)					
		TOTAL VALUE (A+B)					

NOTES :

- 1 Quantities indicated above at S. No. 1.1 & 1.2 shall be known as Order Quantities. The variation in quantities of all sizes for Main supply (S. No. 1.1 & 1.2) put together shall be limited to (-) 30% to (+) 30% of the total contract value derived on the basis of the Ordered quantities for this very project.
- 2 The quantities will be released for manufacture in more than one lot.



2 X 660 MW SURATGARH SUPERCritical TPS UNIT # 7 & 8; STAGE-V

BOQ-CUM-PRICE FORMAT FOR SCREENED CONTROL CABLES (MAIN SUPPLY) FOR FOREIGN BIDDERS

- 3 The LOT-1 quantities, which are indicated above, shall be released for manufacture along with LOI. However, manufacturing of LOT-1 quantities shall be done after the approval of technical and quality documentation. Subsequent lots shall be cleared for manufacture based on progress of engineering and site requirements. A lead-time of three months shall be given for completion of supply of each lot from the date of clearance of the quantities.
- 4 Delivery schedule of LOT-1 and subsequent lots shall be as per NIT.
- 5 The bidder shall indicate the unit price of each type and size of cables listed as per the BOQ in the Price Schedule. The unit price shall apply for adjustment of variation in quantity as stipulated above.
- 6 Overall variation on dispatched quantity of each size shall be (-) 2% and (+) 0%. Cables consumed for testing and inspection shall be to bidder's account.
- 7 The tolerance of drum length shall be +/- 5%. Short lengths of individual cable size not less than 300m may be accepted only in the final drum length to complete the supply within the overall variation limits stipulated above.
- 8 In case of the quantities of any one lot cleared by BHEL for manufacturing are manufactured and offered for inspection by successful bidder in more than one batch, BHEL reserves the right to witness type testing on all batches without any price implications.
- 9 Type Test charges are deemed to be included in price of cables. No separate Type Test charges to be quoted by bidder.
- 10 The charges of Hydrolytic Stability test, if asked to perform shall be reimbursed extra at actual against original money receipt of Govt. lab (CPRI/ERDA).
- 11 Bidder to note that for evaluation of bids in foreign currency, exchange rate (TT selling rate of State Bank of India) as on scheduled date of tender opening (Part-I bid in case of two part bid) shall be considered."
- 12 In case of foreign bidders the quoted F.O.B . price shall be loaded as per clause no. 19.4 of instruction to Bidders and clause no. 9.7 of General Commercial Terms and Conditions of GCC Rev. 05 to arrive at TOTAL F.O.R site price for evaluation.

