

2x500 MW SAGARDHIGI TPP PH-II (UNIT-3&4)

BOQ CUM PRICE SCHEDULE FOR PA SYSTEM

ANNEXURE-4(A)

INDIAN VENDOR						FOR FOREIGN VENDOR							
Sl. No.	Item Code	Item Name	UOM	Quant ity	REMARKS	Unit Price (Rs) (Ex- works)	Total Price (Rs) (Ex- Works)	EXCISE DUTY @ .....% (as applicable) (INR)	CST @ .....% (against 'C' form) (INR)	FREIGHT CHARGES (Including Service tax, if any) @..... (to be quoted as % of Ex-	TOTAL F.O.R. SITE PRICE	UNIT FOB PRICE (Currency)	TOTAL FOB PRICE (Currency)
(A)	MAIN ITEMS												
(i)	557-11002-A	ACOUSTIC HOOD: FLOOR MOUNTED	NOS	20				NIL against PAC			6	9	10
(ii)	557-11007-A	CENTRAL EXCH (MAIN) WITH INTEGRATED MDF	NOS	1	Microprocessor controlled, digital, programmable central control unit (CCU) with PCM/TDM technology equipped for 88 stations.			NIL against PAC					
(iii)	557-11009-A	CONE TYPE SPEAKER - 6W	NOS	25				NIL against PAC					
(iv)	557-11011-A	DESKTOP STATION (DTS)	NOS	10	Built in mic LCD display, handset, 4 LED indicators & 18 nos key board switches			NIL against PAC					
(v)	557-11014-A	EXTENSION AMPLIFIER FOR MCS, FMS & DTS	NOS	16				NIL against PAC					
(vi)	557-11015-A	FIELD CALL STATION (FCS)	NOS	21				NIL against PAC					
(vii)	557-11027-A	PILFERPROOF HANDSET STATION	NOS	36				NIL against PAC					
(viii)	557-11019-A	HORN TYPE SPEAKER - 15W	NOS	128				NIL against PAC					
(ix)	557-11025-A	MASTER CONTROL STATION (MCS)	NOS	6	Built in mic LCD display, handset, 4 LED indicators & 18 nos key board switches			NIL against PAC					
(x)	557-11029-A	POWER DISTRIBUTION BOX	NOS	1				NIL against PAC					
(xi)	557-11030-A	POWER JUNCTION BOX	NOS	140				NIL against PAC					
(xii)	557-11031-A	SIGNAL JUNCTION BOX	NOS	9				NIL against PAC					
(xiii)	557-11044-A	SUB-DISTRIBUTION FRAME (SDF) 20 PAIRS	NOS	7				NIL against PAC					
(xiv)	557-11042-A	WEATHER PROTECTING CANOPY FOR FCS	NOS	8				NIL against PAC					

10/10/2012  
2  
VAIBHAV GUPTA  
PA SYSTEM

**2x500 MW SAGARDHIGI TPP PH-II (UNIT-3&4)  
BOQ CUM PRICE SCHEDULE FOR PA SYSTEM**

**ANNEXURE-4(A)**

INDIAN VENDOR										FOR FOREIGN VENDOR				
Sl. No.	Item Code	Item Name	UOM	Quant ity	REMARKS	Unit Price (Rs) (Ex- works)	Total Price (Rs) (Ex- Works)	EXCISE DUTY @ .....% (as applicable) (INR)	CST @ .....% (against 'C' form) (INR)	FREIGHT CHARGES (Including Service tax, if any) @..... (to be quoted as % of Ex-	TOTAL F.O.R. SITE PRICE	UNIT FOB PRICE (Currency)	TOTAL FOB PRICE (Currency)	
(A)		MAIN ITEMS					1	2	3	4	5	6	9	10
(xv)	557-11016-A	FLAMEPROOF HANDSET STATION	NOS	2				NIL against PAC						
(xvi)	557-11043-A	FLAMEPROOF HORN TYPE SPEAKER	NOS	4				NIL against PAC						
(xvii)	557-11017-A	FLAMEPROOF JUNCTION BOX	NOS	4				NIL against PAC						
(xviii)	557-11039-A	SPECIAL TOOLS & TACKLES (Bidder to furnish detailed list)	SET	1				NIL against PAC						
(xix)	557-11013-A	E&C Spare (Bidder to furnish detailed list)	SET	1				NIL against PAC						
(xx)	557-11026-A	O&M Spare (Recommended Spare) (Bidder to furnish detail list)	SET	1				NIL against PAC						
(xxi)	557-11047-A	Multistrand Fibre Optic Cable	Mtr.	8000				NIL against PAC						
(xxii)	----	Additional item, required for completeness of system	LOT	1				NIL against PAC						
					TOTAL									
					TOTAL E&C PRICES									
					TOTAL PRICES (SUPPLY AND E&C)									

**Notes:**

- The unit rates of supply for all equipments quoted by the bidder shall be firm for a variation of quantities limited to:
  - ±20% of total order value till finalization of engineering details & BOQ.
  - ±10% of the total order value in addition to (a) above, till the completion of the job.
- Main equipment items, which are not applicable for their system, bidder to mention in "Remarks" column and same shall appear in the unpriced copy of the bid also.
- Design & Engineering charges shall form part of main equipment.
- Type tests shall be carried out free of cost wherever required as per the specification.
- Bidder must indicate the make and model number for each item.
- The unit rates of installation (E & C) for all equipments quoted by the bidder shall be firm for a variation of quantities limited to ±30% of total order value till the completion of job at site.
- Supply fabrication & painting of support structure for PA system equipment shall be in bidder's scope.
- Termination & laying of cable shall not be in bidder's scope except for local cable from junction box to station & all Fibre optic cables. However termination of cable on bidders equipment shall be on bidder's scope.
- Instruments required for testing & commissioning shall be arranged by the bidder & shall be taken back after completion of E&C.
- Supply & installation of external equipment earthing shall be in BHEL scope.
- Bidder to furnish list of following items along with unit price of each item with their bid
  - E&C Spare
  - O&M Spare (Recommended Spare)
  - Special Tools & Tackles

12 Please inform CIF content as per details below:

Sl. No.	DESCRIPTION OF EQUIPMENT / ITEM	UNIT	QTY.	CURRENCY	Unit Rate in foreign Currency	Total CIF Contents.
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July 2012  
 C. VAIBHAV GUPTA  
 PROJECT ENGINEER

**2x500 MW SAGARDHIGI TPP PH-II (UNIT-3&4)  
BOQ CUM PRICE SCHEDULE FOR PA SYSTEM  
ANNEXURE-4(B)**

Sl. No.	Item Code	Item Name	UOM	Quantity	Unit Price (Rs)	INDIAN BIDDERS			FOREIGN BIDDER	
						Total Price (Rs)	Service Tax @ 12.36% (Rs.)	Total E&C prices with Service Tax (Rs.)	UNIT FOB PRICES FOR E&C (Currency)	TOTAL FOB PRICES FOR E&C (Currency)
<b>(B)</b>		<b>E &amp; C</b>								
(i)	557-11002-C	ACOUSTIC HOOD: FLOOR MOUNTED	NOS	20						
(ii)	557-11007-C	CENTRAL EXCH (MAIN) WITH INTEGRATED MDF	NOS	1						
(iii)	557-11009-C	CONE TYPE SPEAKER - 6W	NOS	25						
(iv)	557-11011-C	DESKTOP STATION (DTS)	NOS	10						
(v)	557-11014-C	EXTENSION AMPLIFIER FOR MCS, FMS & DTS	NOS	16						
(vi)	557-11015-C	FIELD CALL STATION (FCS)	NOS	21						
(vii)	557-11027-C	PILFERPROOF HANDSET STATION	NOS	36						
(viii)	557-11019-C	HORN TYPE SPEAKER - 15W	NOS	128						
(ix)	557-11025-C	MASTER CONTROL STATION (MCS)	NOS	6						
(x)	557-11029-C	POWER DISTRIBUTION BOX	NOS	1						
(xi)	557-11030-C	POWER JUNCTION BOX	NOS	140						
(xii)	557-11031-C	SIGNAL JUNCTION BOX	NOS	9						
(xiii)	557-11044-C	SUB-DISTRIBUTION FRAME (SDF) 20 PAIRS	NOS	7						
(xiv)	557-11042-C	WEATHER PROTECTING CANOPY FOR FCS	NOS	8						
(xv)	557-11016-C	FLAMEPROOF HANDSET STATION	NOS	2						
(xvi)	557-11043-C	FLAMEPROOF HORN TYPE SPEAKER	NOS	4						
(xvii)	557-11017-C	FLAMEPROOF JUNCTION BOX	NOS	4						

✓ Authn  
24/08/12  
(VAIBHAV GUPTA)

**2x500 MW SAGARDHIGI TPP PH-II (UNIT-3&4)**  
**BOQ CUM PRICE SCHEDULE FOR PA SYSTEM**  
**ANNEXURE-4(B)**

Sl. No.	Item Code	Item Name	UOM	Quantity	Unit Price (Rs)	INDIAN BIDDERS			FOREIGN BIDDER	
						Total Price (Rs)	Service Tax @ 12.36% (Rs.)	Total E&C prices with Service Tax (Rs.)	UNIT FOB PRICES FOR E&C (Currency)	TOTAL FOB PRICES FOR E&C (Currency)
(xviii)	557-11047-C	Multistrand Fibre Optic Cable	Mtr.	8000						
(xix)	----	Additional item, required for completeness of system	LOT	1						
		TOTAL								
<b>OPTIONAL ITEMS</b>										
(C)	557-11041-A	TYPE TEST (As per Annexure-4B)	LOT	1						

**Notes:**

- The unit rates of supply for all equipments quoted by the bidder shall be firm for a variation of quantities limited to :  
a)  $\pm 20\%$  of total order value till finalization of engineering details & BOQ.  
b)  $+10\%$  of the total order value in addition to (a) above, till the completion of the job.
- Main equipment items, which are not applicable for their system, bidder to mention in "Remarks" column and same shall appear in the unpriced copy of the bid also.
- Design & Engineering charges shall form part of main equipment.
- Type tests shall be carried out free of cost wherever required as per the specification.
- Bidder must indicate the make and model number for each item.
- The unit rates of installation (E & C) for all equipments quoted by the bidder shall be firm for a variation of quantities limited to  $\pm 30\%$  of total order value till the completion of job at site.
- Supply fabrication & painting of support structure for PA system equipment shall be in bidder's scope.
- Termination & laying of cable shall not be in bidder's scope except for local cable from junction box to station & all Fibre optic cables. However termination of cable on bidders equipment shall be on bidder's scope.
- Instruments required for testing & commissioning shall be arranged by the bidder & shall be taken back after completion of E&C.
- Supply & installation of external equipment earthing shall be in BHEL scope.
- Bidder to furnish list of following items along with unit price of each item with their bid  
a E&C Spare  
b O&M Spare (Recommended Spare)  
c Special Tools & Tackles

*Signature*  
24/08/12  
(VATISHAV GUPTA)  
ENGR. / PGII-1

**ANNEXURE- 4 (C)**  
**2X500 MW SAGARDIGHI (UNIT-3&4)**  
**PRICE SCHEDULE-TYPE TEST (OPTIONAL)**

INDIAN VENDORS					FOREIGN VENDORS			
Sr. No	Item Code	Item Description	Unit	Quantity	Unit Price (Rs) (Ex-works)	Total Price (Rs) (Ex-Works)	UNIT FOB PRICES (Currency)	TOTAL FOB PRICES (Currency)
(C)	557-11041-A	TYPE TEST(OPTIONAL)						
(i)		Surge Protection Test	NOS	1				
(ii)		Dry Heat Test as per IEC-68-2-2	NOS	1				
(iii)		Damp Heat Test	NOS	1				
(iv)		Vibration Test	NOS	1				
(v)		Electrostatic discharge test as per IEC-801-2 or equivalent	NOS	1				
(vi)		Radio frequency immunity Test as per IEC-801-6 or equivalent	NOS	1				
(vii)		Electromagnetic immunity test as per IEC-801-3 or equivalent	NOS	1				
TOTAL								

✓ below  
24/08/12  
(VAIBHAV GUPTA)  
ENGR. PG-1