



VENTILATION SYSTEM
YELAHANKA
(1X370 MW)

SPECIFICATION NO. PE-TS-409-554-A001

ADDENDUM No. 2

DATE: 29.06.2016

SHEET : 1 OF 2

YELAHANKA CCPP
(1x370 MW)

ADDENDUM No. 2

(TECH SPEC No. PE-TS-409-554-A001)

VENTILATION SYSTEM



**VENTILATION SYSTEM
YELAHANKA
(1X370 MW)**

SPECIFICATION NO. PE-TS-409-554-A001

ADDENDUM No. 2

DATE: 29.06.2016

SHEET : 2 OF 2

**ADDENDUM No. 2 TO THE TECHNICAL SPECIFICATION PE-TS-409-554-A001 VENTILATION
SYSTEM OF YELAHANKA CCPP (1X370MW)**

AMENDMENT TO EXISTING CLAUSES OF THE TECHNICAL SPECIFICATION

| S.No | Clause | To Be Read As (Amendment) |
|-------------|--|---|
| 1. | Volume III, section 6, Mandatory spares suggestive price format. | Revised Volume III section 6, shall be read as per attached Appendix "A". |



**1x370MW YELAHANKA CCPP
VENTILATION**

SUGGESTIVE PRICE FORMAT

SPECIFICATION No: PE-TS-409-554-A001

VOLUME : III

SECTION : 6

REV 02

DATE: JUNE 2016

SHEET 1 OF 5

**APPENDIX - A
SUGGESTIVE PRICE FORMAT**

VENTILATION SYSTEM FOR 1 x 370 MW YELAHANKA CCPP --- SUGGESTIVE PRICE FORMAT

REV-02

| SL No | DESCRIPTION OF EQUIPMENT/ ITEM | QTY | UNIT | SUPPLY | | | | | | ERECTION AND COMMISSIONING | | | | TOTAL | |
|--------|---|------|-------|-----------------|---------------------------|--------------------|----------------|---|----------------------------------|----------------------------|------------------|------------------|--|---|--|
| | | | | Unit Price (Rs) | Total ex-works price (Rs) | ED (Inc CESS) (Rs) | CST / VAT (Rs) | Freight (Including service tax, if applicable) (Rs) | TOTAL FOR site price SUPPLY (Rs) | Unit Price (Rs) | Total price (Rs) | Service Tax (Rs) | TOTAL PRICE (Erection and commissioning including Service tax) | Total Price Supply FIOR site and E&C including service tax (Rs) | |
| 1.0 | Total lumpsum firm prices for equipment & Services as specified, Comprising Engineering, design, manufacture, inspection & Testing at manufacturer's/subvondor's works, Painting at manufactures works, duly packed for transportation, delivery to site, unloading, storage & handling at site, fabrication, erection and commissioning, minor civil work,performance and guarantee testing, submission of as built drawing, O&M Manual, carrying out acceptance tests at site, and final painting of complete Ventilation system on turnkey basis as per specification PE-TS-409-554-A001 including mandatory spares, special tool & tackels for maintenance, commissioning spares, all taxes, duties etc. | | | | | | | | | | | | | | |
| 2.0 | Break up prices for items covered in clause 1.0 above. | | | | | | | | | | | | | | |
| 2.1 | Double skinned Packaged ambient air handling unit shall comprise of centrifugal fans (DIDW) with TEFC Squirrel Cage induction motors, drive pkg, prefilter with filter mounting frame, inlet air louvers, bird screen, VI pads, cadmium plated foundation bolts, nuts, & washers, canvass connection, outlet damper, VCD and all other accessories as required for complete installation as per specifications. The capacity of each fan shall be 100,000 CMH at 65 mm SP. | 10 | NO | | | | | | | | | | | | |
| 2.2* | Supply air ducting (finished) for above area complete with dampers, grills (with VCD & without VCD), supports (painted) and all accessories as specified. | | | | | | | | | | | | | | |
| 2.2.1* | Finished GSS (zinc coating 275 gms/sq.m) Ducting with support structure etc. | | | | | | | | | | | | | | |
| a)* | 18 G | 1700 | SQM* | | | | | | | | | | | | |
| b)* | 20 G | 2000 | SQM* | | | | | | | | | | | | |
| c)* | 22 G | 2500 | SQM* | | | | | | | | | | | | |
| d)* | 24 G | 200 | SQM* | | | | | | | | | | | | |
| 2.2.2* | MS Duct With Epoxy paint for battery room. | 50 | SQM* | | | | | | | | | | | | |
| 2.2.3* | MS Grilles with VCD | 70 | SQM* | | | | | | | | | | | | |
| 2.2.4* | MS Grilles without VCD | 5 | SQM* | | | | | | | | | | | | |
| 2.2.5* | Exposed duct insulation as per specifications. | 1500 | SQM* | | | | | | | | | | | | |
| 2.2.6* | Wall mounted dampers (gravity operated) for different areas. | 20 | SQM* | | | | | | | | | | | | |
| 2.2.7* | Inlet Louvres | 20 | SQM* | | | | | | | | | | | | |
| 2.3* | FIRE DAMPER | | | | | | | | | | | | | | |
| a)* | Fire damper | 10 | SQM* | | | | | | | | | | | | |
| b)* | Motorized Actuator with single phase power supply for the above Fire damper with auto resetting, limit switches, indication lamps etc | 18 | SQM* | | | | | | | | | | | | |
| c)* | Fusible Link type Fire Damper | 5 | SQM* | | | | | | | | | | | | |
| 2.4* | Roof extractor units (axial flow type) with hood, disconnect switch and all accessories as specified. Following fan shall have 15 mmwc static pressure. | | | | | | | | | | | | | | |
| a)* | Capacity 50,000 CMH with Motor rating 5.5 KW | 10 | Nos.* | | | | | | | | | | | | |
| b)* | Capacity 40,000 CMH with Motor rating 5.5 KW | 2 | Nos.* | | | | | | | | | | | | |
| c)* | Capacity 20,000 CMH with Motor rating 2.2 KW | 2 | Nos.* | | | | | | | | | | | | |

VENTILATION SYSTEM FOR 1 x 370 MW YELAHANKA CCPP --- SUGGESTIVE PRICE FORMAT

REV-02

| SL No | DESCRIPTION OF EQUIPMENT/ ITEM | QTY | UNIT | SUPPLY | | | | | | ERECTION AND COMMISIONING | | | | TOTAL | | | |
|-------|---|-----|------|-----------------|---------------------------|--------------------|----------------|---|----------------------------------|---------------------------|------------------|------------------|--|---|--|--|--|
| | | | | Unit Price (Rs) | Total ex-works price (Rs) | ED (Inc CESS) (Rs) | CST / VAT (Rs) | Freight (Including service tax, if applicable) (Rs) | TOTAL FOR site price SUPPLY (Rs) | Unit Price (Rs) | Total price (Rs) | Service Tax (Rs) | TOTAL PRICE (Erection and commissioning including Service tax) | Total Price Supply FIOR site and E&C including service tax (Rs) | | | |
| 2.11 | Total lumpsum price for commissioning spares inclusive of packing forwarding, transportation up to site, etc. (Bidder shall submit item-wise price break-up). | 1 | LOT | | | | | | | | | | | | | | |
| 2.12 | Instruments and accessories for complete hookup of ventilation system with main central control system. | 1 | LOT | | | | | | | | | | | | | | |
| 2.13 | Manually operated trolley of 1 Ton cap with base area 2 m X 1.5 M | 3 | Nos. | | | | | | | | | | | | | | |
| 2.14 | Total lumpsum price for Mandatory Spare inclusive of packing forwarding, transportation up to site, etc. (Bidder to submit item-wise price break-up seperately). | 1 | LOT | | | | | | | | | | | | | | |

NOTES

- 1 The bidder shall furnish unit rates for variable item (marked *) for necessary adjustment (plus or minus) variation during detailed engg. stage.
- 2 Price format shall not be changed by the bidder as the bidder may get disqualified by doing so.
- 3 Item mentioned against Sl. No. 2.10,2.11,2.13 and 2.14 are supply item only, E&C for the same is not applicable.

| VENTILATION SYSTEM FOR 1 x 370 MW YELAHANKA CAPP --- MANDATORY SPARES SUGGESTIVE PRICE FORMAT | | | | | | | | | | R02 |
|---|---|-------|------|-----------------|---------------------------|--------------------|----------------|---|----------------------------------|---|
| SL No | DESCRIPTION OF EQUIPMENT/ ITEM | QTY | UNIT | SUPPLY | | | | | | TOTAL |
| | | | | Unit Price (Rs) | Total ex-works price (Rs) | ED (Inc CESS) (Rs) | CST / VAT (Rs) | Freight (Including service tax, if applicable) (Rs) | TOTAL FOR site price SUPPLY (Rs) | Total Price Supply FIOR site and E&C including service tax (Rs) |
| 1 | CENTRIFUGAL FANS | | | | | | | | | |
| 1.1 | V-BELTS | 1 SET | | | | | | | | |
| 1.2 | BLOWER BEARING | 1 SET | | | | | | | | |
| 1.3 | BLOWER MOTOR BEARINGS | 1 SET | | | | | | | | |
| 1.4 | GASKET | 1 SET | | | | | | | | |
| 1.5 | MOTOR | 1 NO | | | | | | | | |
| 2. | AXIAL FANS/ ROOF EXTRACTOR (FOR EACH SIZE) | | | | | | | | | |
| 2.1 | FAN BEARINGS | 1 SET | | | | | | | | |
| 2.2 | FAN MOTOR BEARING | 1 SET | | | | | | | | |
| 2.3 | FAN MOTOR | 1 NO | | | | | | | | |
| 1 | CENTRIFUGAL FANS | | | | | | | | | |
| 1.1 | V-BELTS | 1 SET | | | | | | | | |
| 1.2 | BLOWER BEARING | 1 SET | | | | | | | | |
| 1.3 | BLOWER MOTOR BEARINGS | 1 SET | | | | | | | | |
| 1.4 | GASKET | 1 SET | | | | | | | | |
| 1.5 | MOTOR | 1 NO | | | | | | | | |
| 2. | AXIAL FANS/ ROOF EXTRACTOR (FOR EACH SIZE) | | | | | | | | | |
| 2.1 | FAN BEARINGS | 1 SET | | | | | | | | |
| 2.2 | FAN MOTOR BEARING | 1 SET | | | | | | | | |
| 2.3 | FAN MOTOR | 1 NO | | | | | | | | |

NOTES

1 Price format shall not be changed by the bidder as the bidder may get disqualified by doing so.