

| PRICE FORMAT ( For Foreign Vendors)                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                    |                                                                                                                           |                             |                               |                                                                            |                                                        |                                                                   |                                  |                                                                              |                                                                                                    |                                                                                       |                                    |         |                                |                           |                                                         |                                                                                                                                                     |
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| Enquiry Number                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | PE/PG/ENI/E-5490/2016                              |                                                                                                                           |                             |                               |                                                                            |                                                        |                                                                   |                                  |                                                                              |                                                                                                    |                                                                                       |                                    |         |                                |                           |                                                         |                                                                                                                                                     |
| NAME OF PROJECT:                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 2x660 MW ENNORE SEZ POWER PROJECT                  |                                                                                                                           |                             |                               |                                                                            |                                                        |                                                                   |                                  |                                                                              |                                                                                                    |                                                                                       |                                    |         |                                |                           |                                                         |                                                                                                                                                     |
| NAME OF PACKAGE:                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | VENTILATION SYSTEM                                 |                                                                                                                           |                             |                               |                                                                            |                                                        |                                                                   |                                  |                                                                              |                                                                                                    |                                                                                       |                                    |         |                                |                           |                                                         |                                                                                                                                                     |
| TECHNICAL SPECIFICATION No:                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | PE-TS-412-554-A001 Rev (1)                         |                                                                                                                           |                             |                               |                                                                            |                                                        |                                                                   |                                  |                                                                              |                                                                                                    |                                                                                       |                                    |         |                                |                           |                                                         |                                                                                                                                                     |
|                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | IMPORTED ITEMS ( Supply not from Indian Territory) |                                                                                                                           |                             |                               |                                                                            |                                                        | INDIGENEOUS ITEMS (Supply from Indian Territory)                  |                                  |                                                                              |                                                                                                    |                                                                                       |                                    | Total   |                                | E&C                       |                                                         | GRAND TOTAL                                                                                                                                         |
| S. No.                                                                                                | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | UNIT                                               | TOTAL F.O.B. Price<br>(including seaworthy<br>packing, handling and<br>transportation to<br>Vendor's port.)<br>(Currency) | Ocean Freight<br>(Currency) | Ocean/<br>Marine<br>Insurance | Custom Duty<br>after availing<br>CEN/VAT benefit<br>if applicable<br>(INR) | Inland<br>FREIGHT<br>CHARGES<br>(SERVICE TAX)<br>(INR) | F.O.B. site<br>Imported items<br>(Currency+INR)<br>(Currency+INR) | TOTAL EX-WORKS<br>PRICE<br>(INR) | ED including cess<br>@...% (for self<br>manufactured<br>items only)<br>(INR) | CST @ ....%<br>Against C-form &<br>E/E or self<br>manufactured<br>Whichever is<br>applicable (INR) | FREIGHT<br>CHARGES<br>INCLUDING<br>SERVICE TAX<br>@...% OF TOTAL<br>EX-WORKS<br>(INR) | TOTAL F.O.R SITE<br>PRICE<br>(INR) |         | E & C<br>Charges<br>(Currency) | SERVICE TAX<br>(Currency) | E & C charges<br>INCLUDING<br>SERVICE TAX<br>(Currency) | Total Lumpsum price for<br>supply (IMPORTED +<br>INDIGENEOUS SUPPLY)<br>and<br>E&C+VAT with Service<br>tax.<br>(((Currency+INR)+INR)*Curr<br>entry) |
| 1                                                                                                     | Total lump sum firm price inclusive of all prevailing taxes, duties and other levies for <b>Supply part, Services part and Mandatory spares</b> (If applicable) comprising of design (i.e.preparation and submission of drawing /documents including "As Built" drawings and O&M manuals), engineering, manufacture, fabrication, assembly, inspection / testing at vendor's & sub-vendor's works, painting, maintenance / special tools & tackles (as applicable) alongwith spares for erection, startup and commissioning as required, forwarding, proper packing, shipment and delivery at site, unloading, handling, transportation & storage at site, in-site transportation, assembly, erection & commissioning, final painting at site, minor civil work, trial run at site, preparation of layout drawings 3D (as applicable) and carrying out Performance guarantee / Functional / Demonstration tests at site (As applicable), training of customer/client O&M staff (if applicable) and handover in flawless condition of the package to the end customer complete with all accessories for the total scope defined as per BHEL NIT & tender technical specification as specified above, amendment & agreements till placement of order. | Lot                                                | 1                                                                                                                         | 2                           | 3                             | 4                                                                          | 5                                                      | 6=3+2+4+5                                                         | 7                                | 8                                                                            | 9                                                                                                  | 10                                                                                    | 11=7+8+9+10                        | 12=6+11 | 13                             | 14                        | 15=13+14                                                | 16=11+15                                                                                                                                            |
| 2                                                                                                     | <b>MAJOR BREAK-UP OF PRICES GIVEN IN 1.0 ABOVE.</b><br>Total lump sum firm price inclusive of all prevailing taxes, duties and other levies for <b>Supply part</b> comprising of design (i.e.preparation and submission of drawing /documents including "As Built" drawings and O&M manuals), engineering, manufacture, fabrication, assembly, inspection / testing at vendor's & sub-vendor's works, painting, maintenance / special tools & tackles (as applicable), alongwith spares for erection as required, startup and commissioning spares as required, forwarding, proper packing, shipment and delivery at site, preparation of layout drawings 3D (as applicable) for the total scope defined as per BHEL NIT & tender technical specification as specified above, amendment & agreements till placement of order. (Break-up as per Annexure-I)                                                                                                                                                                                                                                                                                                                                                                                          | Lot                                                |                                                                                                                           |                             |                               |                                                                            |                                                        |                                                                   |                                  |                                                                              |                                                                                                    |                                                                                       |                                    |         |                                |                           |                                                         |                                                                                                                                                     |
| 2.1                                                                                                   | Total lumpsum firm price inclusive of all prevailing taxes, duties and other levies for <b>Services part</b> comprising of design (i.e. preparation and submission of drawing /documents including "As Built" drawings and O&M manuals), engineering, manufacture, fabrication, assembly, inspection / testing at vendor's & sub-vendor's works, painting, maintenance / special tools & tackles (as applicable), alongwith spares for erection, startup and commissioning spares as required, forwarding, proper packing, shipment and delivery at site, preparation of layout drawings 3D (as applicable) for the total scope defined as per BHEL NIT & tender technical specification as specified above, amendment & agreements till placement of order. (Break-up as per Annexure-I)                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Lot                                                |                                                                                                                           |                             |                               |                                                                            |                                                        |                                                                   |                                  |                                                                              |                                                                                                    |                                                                                       |                                    |         |                                |                           |                                                         |                                                                                                                                                     |
| 2.2                                                                                                   | Total lumpsum firm price inclusive of all prevailing taxes, duties and other levies for <b>Mandatory spares</b> comprising of manufacture, fabrication, assembly, inspection / testing (as applicable) at vendor's & sub-vendor's works, painting, forwarding, proper packing, shipment, delivery at site & guarantee as per tender technical specification above, amendment & agreements till placement of order. (Price break up of mandatory spares is to be furnished as per Annexure-II)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Lot                                                |                                                                                                                           |                             |                               |                                                                            |                                                        |                                                                   |                                  |                                                                              |                                                                                                    |                                                                                       |                                    |         |                                |                           |                                                         |                                                                                                                                                     |
| Note:<br>1.) Bidder to quote Guaranteed Power Consumption for Ventilation System as per Annexure-III. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                    |                                                                                                                           |                             |                               |                                                                            |                                                        |                                                                   |                                  |                                                                              |                                                                                                    |                                                                                       |                                    |         |                                |                           |                                                         |                                                                                                                                                     |
| Particulars of Bidder / authorized representative                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Name                                               |                                                                                                                           | Designation                 |                               | Signature                                                                  |                                                        | Date                                                              |                                  | Company Seal                                                                 |                                                                                                    |                                                                                       |                                    |         |                                |                           |                                                         |                                                                                                                                                     |

Note:

1.) Bidder to quote Guaranteed Power Consumption for Ventilation System as per Annexure-III.

Particulars of bidder / authorised representative

| Name | Designation | Signature | Date | Company Seal |
|------|-------------|-----------|------|--------------|
|      |             |           |      |              |

13/12/2016  
Signed

PRICE FORMAT (For Foreign Vendors)

ANNEXURE - I

PRICE BREAKUP (FOR MAIN PLANT, ESP AND OTHER AUX BUILDINGS)

ENQUIRY NUMBER: RE/RC/ENH/E-5400/2016

NAME OF PROJECT: 2460 MW ENCORE SZ POWER PROJECT

NAME OF PACKAGE: VENTILATION SYSTEM

TECHNICAL SPECIFICATION No: PE-75-412-554-A001

| TECHNICAL SPECIFICATION NO: [PE-19-412-3534-A00] |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |       | IMPORTED ITEMS (Supply not from Indian Territory)                                                            |                                                                                                               |                         |                           |                                                               |                                                      |                                                         |                            |                                                          |                                                                                         | INDIGENOUS ITEMS (Supply from Indian Territory)                          |                               |                                                   |                          |                       | Total                      | E&C                                   |                                                                                                                     | GRAND TOTAL |
|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|--------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|-------------------------|---------------------------|---------------------------------------------------------------|------------------------------------------------------|---------------------------------------------------------|----------------------------|----------------------------------------------------------|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------|-------------------------------|---------------------------------------------------|--------------------------|-----------------------|----------------------------|---------------------------------------|---------------------------------------------------------------------------------------------------------------------|-------------|
| Sl. No                                           | DESCRIPTION OF EQUIPMENT/ ITEM                                                                                                                                                                                                                                                                                                                                                                                                                                   | Qty  | UNIT  | UNIT F.O.B. Price (including seaworthy packing, handling and transportation to Vendor's own port.) (Current) | TOTAL F.O.B. Price (including seaworthy packing, handling and transportation to Vendor's own port.) (Current) | Ocean Freight (Current) | Ocean / Machine Insurance | Custom Duty after availing CENVAT benefit if applicable (Nil) | Inland Freight Charges (INCLUDING SERVICE TAX) (Nil) | F.O.B. Price Imported from supply price (Current) + 10% | TOTAL EX-WORKS PRICE (Nil) | ID including sea @ 1% (for all imported materials) (Nil) | CF @ 1% (for all imported materials) @ 1% (for all imported materials) applicable (Nil) | FREIGHT CHARGES INCLUDING SERVICE TAX @ 1% OF TOTAL EX-WORKS PRICE (Nil) | TOTAL F.O.B. SITE PRICE (Nil) | Total FOR Site IMPORTED + INDIGENOUS SUPPLY (Nil) | E&C Unit Price (Current) | Total E & C (Current) | Service Tax @ 1% (Current) | Total INCLUDING SERVICE TAX (Current) | Total Import price for supply (IMPORTED + INDIGENOUS SUPPLY and E&C) TEST with Service tax (Currency:INR) (Current) |             |
| 1                                                | Sheet metal type air washer unit with centrifugal fan (SDM) with motor, pumps with motors, air washer internals, inlet air blowers, filters, piping as per IS:1235 Part-I (heavy class galvanised), valves, nozzles, level switch, temp indicators, back wash arrangement, galvanised drain piping, etc as per specification of capacity 2,50,000 CMH. Each air washer has 3 no centrifugal fan (1 x 33% duty) of capacity 83,500 CMH each at min. 75 mm SP.     | 8    | NO    | 1                                                                                                            | 2                                                                                                             | 3                       | 4                         | 5                                                             | 6                                                    | 7                                                       | 8                          | 9                                                        | 10                                                                                      | 11                                                                       | 12                            | 13                                                | 14                       | 15                    | 16                         | 17                                    | 18                                                                                                                  |             |
| 2                                                | Utility air filtration unit with centrifugal fan (SDM) with motor, pumps with motors, filters, UAF Internals, piping as per IS: 1235 part I (heavy class galvanised), valves for auto start of standby equipment, nozzles, level switch, pressure switches, Temp. indicators, back wash arrangement, galvanised drain piping etc. as per spec. of capacity 75,000 CMH. Each UAF has 1 no centrifugal fan (1 x 33% duty) of capacity 75,000 CMH at min. 75 mm SP. | 2    | NO    |                                                                                                              |                                                                                                               |                         |                           |                                                               |                                                      |                                                         |                            |                                                          |                                                                                         |                                                                          |                               |                                                   |                          |                       |                            |                                       |                                                                                                                     |             |
| 3*                                               | Supply air ducting (finished) for above area complete with dampers, grills (with VCD & without VCD), supports (painted) and all accessories as specified.                                                                                                                                                                                                                                                                                                        |      |       |                                                                                                              |                                                                                                               |                         |                           |                                                               |                                                      |                                                         |                            |                                                          |                                                                                         |                                                                          |                               |                                                   |                          |                       |                            |                                       |                                                                                                                     |             |
| 3.1*                                             | Finished CSS (line coating 275 gms/sq.m) Ducting with support structure etc.                                                                                                                                                                                                                                                                                                                                                                                     |      |       |                                                                                                              |                                                                                                               |                         |                           |                                                               |                                                      |                                                         |                            |                                                          |                                                                                         |                                                                          |                               |                                                   |                          |                       |                            |                                       |                                                                                                                     |             |
| a1*                                              | 18 G                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 4000 | SQM*  |                                                                                                              |                                                                                                               |                         |                           |                                                               |                                                      |                                                         |                            |                                                          |                                                                                         |                                                                          |                               |                                                   |                          |                       |                            |                                       |                                                                                                                     |             |
| b1*                                              | 20 G                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 4000 | SQM*  |                                                                                                              |                                                                                                               |                         |                           |                                                               |                                                      |                                                         |                            |                                                          |                                                                                         |                                                                          |                               |                                                   |                          |                       |                            |                                       |                                                                                                                     |             |
| c1*                                              | 22 G                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 3000 | SQM*  |                                                                                                              |                                                                                                               |                         |                           |                                                               |                                                      |                                                         |                            |                                                          |                                                                                         |                                                                          |                               |                                                   |                          |                       |                            |                                       |                                                                                                                     |             |
| d1*                                              | 24 G                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 4000 | SQM*  |                                                                                                              |                                                                                                               |                         |                           |                                                               |                                                      |                                                         |                            |                                                          |                                                                                         |                                                                          |                               |                                                   |                          |                       |                            |                                       |                                                                                                                     |             |
| 3.2*                                             | MS Duct With Epoxy paint for battery room.                                                                                                                                                                                                                                                                                                                                                                                                                       | 200  | SQM*  |                                                                                                              |                                                                                                               |                         |                           |                                                               |                                                      |                                                         |                            |                                                          |                                                                                         |                                                                          |                               |                                                   |                          |                       |                            |                                       |                                                                                                                     |             |
| 3.3*                                             | MS Grilles with VCD                                                                                                                                                                                                                                                                                                                                                                                                                                              | 200  | SQM*  |                                                                                                              |                                                                                                               |                         |                           |                                                               |                                                      |                                                         |                            |                                                          |                                                                                         |                                                                          |                               |                                                   |                          |                       |                            |                                       |                                                                                                                     |             |
| 3.4*                                             | MS Grilles without VCD                                                                                                                                                                                                                                                                                                                                                                                                                                           | 10   | SQM*  |                                                                                                              |                                                                                                               |                         |                           |                                                               |                                                      |                                                         |                            |                                                          |                                                                                         |                                                                          |                               |                                                   |                          |                       |                            |                                       |                                                                                                                     |             |
| 3.5*                                             | Exposed duct insulation with fibre glass insulation as per specifications.                                                                                                                                                                                                                                                                                                                                                                                       | 2000 | SQM*  |                                                                                                              |                                                                                                               |                         |                           |                                                               |                                                      |                                                         |                            |                                                          |                                                                                         |                                                                          |                               |                                                   |                          |                       |                            |                                       |                                                                                                                     |             |
| 3.6*                                             | Wall mounted dampers (gravity operated) for different areas.                                                                                                                                                                                                                                                                                                                                                                                                     | 30   | SQM*  |                                                                                                              |                                                                                                               |                         |                           |                                                               |                                                      |                                                         |                            |                                                          |                                                                                         |                                                                          |                               |                                                   |                          |                       |                            |                                       |                                                                                                                     |             |
| 3.7*                                             | Inlet Louvers                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 20   | SQM*  |                                                                                                              |                                                                                                               |                         |                           |                                                               |                                                      |                                                         |                            |                                                          |                                                                                         |                                                                          |                               |                                                   |                          |                       |                            |                                       |                                                                                                                     |             |
| 4*                                               | FIRE DAMPER                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 30   | SQM*  |                                                                                                              |                                                                                                               |                         |                           |                                                               |                                                      |                                                         |                            |                                                          |                                                                                         |                                                                          |                               |                                                   |                          |                       |                            |                                       |                                                                                                                     |             |
| a1*                                              | Fire damper                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 30   | SQM*  |                                                                                                              |                                                                                                               |                         |                           |                                                               |                                                      |                                                         |                            |                                                          |                                                                                         |                                                                          |                               |                                                   |                          |                       |                            |                                       |                                                                                                                     |             |
| b1*                                              | Motorised Actuator with single phase power supply for the above fire damper with auto resetting, limit switches, indication lamps etc                                                                                                                                                                                                                                                                                                                            | 45   | SQM*  |                                                                                                              |                                                                                                               |                         |                           |                                                               |                                                      |                                                         |                            |                                                          |                                                                                         |                                                                          |                               |                                                   |                          |                       |                            |                                       |                                                                                                                     |             |
| c1*                                              | Flexible Link Type Fire Damper                                                                                                                                                                                                                                                                                                                                                                                                                                   | 20   | SQM*  |                                                                                                              |                                                                                                               |                         |                           |                                                               |                                                      |                                                         |                            |                                                          |                                                                                         |                                                                          |                               |                                                   |                          |                       |                            |                                       |                                                                                                                     |             |
| 5*                                               | Road extensor units (ball flow type) with bond, disconnect switch and all accessories as specified. Following fan shall have 15 mmwc static pressure.                                                                                                                                                                                                                                                                                                            |      |       |                                                                                                              |                                                                                                               |                         |                           |                                                               |                                                      |                                                         |                            |                                                          |                                                                                         |                                                                          |                               |                                                   |                          |                       |                            |                                       |                                                                                                                     |             |
| a1*                                              | Capacity 50,000 CMH with Motor rating 5.5 KW                                                                                                                                                                                                                                                                                                                                                                                                                     | 28   | Nos.* |                                                                                                              |                                                                                                               |                         |                           |                                                               |                                                      |                                                         |                            |                                                          |                                                                                         |                                                                          |                               |                                                   |                          |                       |                            |                                       |                                                                                                                     |             |
| b1*                                              | Capacity 40,000 CMH with Motor rating 5.5 KW                                                                                                                                                                                                                                                                                                                                                                                                                     | 2    | Nos.* |                                                                                                              |                                                                                                               |                         |                           |                                                               |                                                      |                                                         |                            |                                                          |                                                                                         |                                                                          |                               |                                                   |                          |                       |                            |                                       |                                                                                                                     |             |
| c1*                                              | Capacity 20,000 CMH with Motor rating 2.2 KW                                                                                                                                                                                                                                                                                                                                                                                                                     | 1    | Nos.* |                                                                                                              |                                                                                                               |                         |                           |                                                               |                                                      |                                                         |                            |                                                          |                                                                                         |                                                                          |                               |                                                   |                          |                       |                            |                                       |                                                                                                                     |             |
| 6*                                               | Actual flow supply fans with pre and fine filter (wall mounted) complete with casing, motor, auto start of standby equipment, nozzles, level switch, pressure switches, Temp. indicators, back wash arrangement, galvanised drain piping etc. as per spec. of capacity 75,000 CMH. Each fan has 1 no centrifugal fan (1 x 33% duty) of capacity 75,000 CMH at min. 75 mm SP.                                                                                     |      |       |                                                                                                              |                                                                                                               |                         |                           |                                                               |                                                      |                                                         |                            |                                                          |                                                                                         |                                                                          |                               |                                                   |                          |                       |                            |                                       |                                                                                                                     |             |
| a1*                                              | Capacity 10,000 CMH with Motor rating 2.2 KW                                                                                                                                                                                                                                                                                                                                                                                                                     | 8    | Nos.* |                                                                                                              |                                                                                                               |                         |                           |                                                               |                                                      |                                                         |                            |                                                          |                                                                                         |                                                                          |                               |                                                   |                          |                       |                            |                                       |                                                                                                                     |             |
| b1*                                              | Capacity 7,500 CMH with Motor rating 1.5 KW                                                                                                                                                                                                                                                                                                                                                                                                                      | 8    | Nos.* |                                                                                                              |                                                                                                               |                         |                           |                                                               |                                                      |                                                         |                            |                                                          |                                                                                         |                                                                          |                               |                                                   |                          |                       |                            |                                       |                                                                                                                     |             |
| c1*                                              | Capacity 6,000 CMH with Motor rating 1.1 KW                                                                                                                                                                                                                                                                                                                                                                                                                      | 15   | Nos.* |                                                                                                              |                                                                                                               |                         |                           |                                                               |                                                      |                                                         |                            |                                                          |                                                                                         |                                                                          |                               |                                                   |                          |                       |                            |                                       |                                                                                                                     |             |
| d1*                                              | Capacity 4,000 CMH with Motor rating 0.75 KW                                                                                                                                                                                                                                                                                                                                                                                                                     | 10   | Nos.* |                                                                                                              |                                                                                                               |                         |                           |                                                               |                                                      |                                                         |                            |                                                          |                                                                                         |                                                                          |                               |                                                   |                          |                       |                            |                                       |                                                                                                                     |             |
| 7*                                               | Actual flow supply fans with pre filter (wall mounted) complete with casing, TEC coil, cage induction motors & mounting frame, MC rate protection coil, bird screen and all other accessories (suitable for 415V/3-phase supply) as specified. Following fan shall have 20 mmwc static pressure.                                                                                                                                                                 |      |       |                                                                                                              |                                                                                                               |                         |                           |                                                               |                                                      |                                                         |                            |                                                          |                                                                                         |                                                                          |                               |                                                   |                          |                       |                            |                                       |                                                                                                                     |             |
| a1*                                              | Capacity 10,000 CMH with Motor rating 1.5 KW                                                                                                                                                                                                                                                                                                                                                                                                                     | 20   | Nos.* |                                                                                                              |                                                                                                               |                         |                           |                                                               |                                                      |                                                         |                            |                                                          |                                                                                         |                                                                          |                               |                                                   |                          |                       |                            |                                       |                                                                                                                     |             |
| b1*                                              | Capacity 7,500 CMH with Motor rating 1.1 KW                                                                                                                                                                                                                                                                                                                                                                                                                      | 10   | Nos.* |                                                                                                              |                                                                                                               |                         |                           |                                                               |                                                      |                                                         |                            |                                                          |                                                                                         |                                                                          |                               |                                                   |                          |                       |                            |                                       |                                                                                                                     |             |
| c1*                                              | Capacity 6,000 CMH with Motor rating 1.1 KW                                                                                                                                                                                                                                                                                                                                                                                                                      | 2    | Nos.* |                                                                                                              |                                                                                                               |                         |                           |                                                               |                                                      |                                                         |                            |                                                          |                                                                                         |                                                                          |                               |                                                   |                          |                       |                            |                                       |                                                                                                                     |             |
| d1*                                              | Capacity 4,000 CMH with Motor rating 0.75 KW                                                                                                                                                                                                                                                                                                                                                                                                                     | 2    | Nos.* |                                                                                                              |                                                                                                               |                         |                           |                                                               |                                                      |                                                         |                            |                                                          |                                                                                         |                                                                          |                               |                                                   |                          |                       |                            |                                       |                                                                                                                     |             |
| 8*                                               | Actual flow exhaust fans (fabricated type, spark proof construction, wall mounted) complete with casing, flame proof motor & mounting frame, MC rate protection coil, bird screen and all other accessories epoxy painted (suitable for 415V/3-phase supply) as specified. Following fan shall have 15 mmwc static pressure.                                                                                                                                     |      |       |                                                                                                              |                                                                                                               |                         |                           |                                                               |                                                      |                                                         |                            |                                                          |                                                                                         |                                                                          |                               |                                                   |                          |                       |                            |                                       |                                                                                                                     |             |
| a1*                                              | Capacity 15,000 CMH with Motor rating 2.2 KW                                                                                                                                                                                                                                                                                                                                                                                                                     | 5    | Nos.* |                                                                                                              |                                                                                                               |                         |                           |                                                               |                                                      |                                                         |                            |                                                          |                                                                                         |                                                                          |                               |                                                   |                          |                       |                            |                                       |                                                                                                                     |             |
| b1*                                              | Capacity 10,000 CMH with Motor rating 1.5 KW                                                                                                                                                                                                                                                                                                                                                                                                                     | 8    | Nos.* |                                                                                                              |                                                                                                               |                         |                           |                                                               |                                                      |                                                         |                            |                                                          |                                                                                         |                                                                          |                               |                                                   |                          |                       |                            |                                       |                                                                                                                     |             |
| c1*                                              | Capacity 7,500 CMH with Motor rating 1.1 KW                                                                                                                                                                                                                                                                                                                                                                                                                      | 6    | Nos.* |                                                                                                              |                                                                                                               |                         |                           |                                                               |                                                      |                                                         |                            |                                                          |                                                                                         |                                                                          |                               |                                                   |                          |                       |                            |                                       |                                                                                                                     |             |
| d1*                                              | Capacity 4,000 CMH with Motor rating 0.55 KW                                                                                                                                                                                                                                                                                                                                                                                                                     | 4    | Nos.* |                                                                                                              |                                                                                                               |                         |                           |                                                               |                                                      |                                                         |                            |                                                          |                                                                                         |                                                                          |                               |                                                   |                          |                       |                            |                                       |                                                                                                                     |             |

6/12/17  
Joshi

~~6/11/19  
J. Brown~~

**PRICE FORMAT ( For Foreign Vendors)**

**APPENDIX-A**

**PRICE BREAKUP (FOR MAIN PLANT, ESP AND OTHER AUX BUILDINGS)**

| <b>ENQUIRY NUMBER</b>              |                                    | <b>PE/PG/EN1/E-5490/2016</b>             |      |                 |                  |
|------------------------------------|------------------------------------|------------------------------------------|------|-----------------|------------------|
| <b>NAME OF PROJECT:</b>            |                                    | <b>2x660 MW ENNORE SEZ POWER PROJECT</b> |      |                 |                  |
| <b>NAME OF PACKAGE:</b>            |                                    | <b>VENTILATION SYSTEM</b>                |      |                 |                  |
| <b>TECHNICAL SPECIFICATION No:</b> |                                    | <b>PE-TS-412-554-A001</b>                |      |                 |                  |
| SL NO                              | DESCRIPTION OF EQUIPMENT/ ITEM     | Qty                                      | UNIT | SUPPLY          |                  |
|                                    |                                    |                                          |      | Unit Price (Rs) | Total price (Rs) |
| 1                                  | Measuring tape                     | 1                                        | NO   |                 |                  |
| 2                                  | Tachometer                         | 1                                        | NO   |                 |                  |
| 3                                  | Double ended spanner               | 1                                        | SET  |                 |                  |
| 4                                  | Ring spanners                      | 1                                        | SET  |                 |                  |
| 5                                  | Gasket punch                       | 1                                        | NO.  |                 |                  |
| 6                                  | Center punch                       | 1                                        | NO.  |                 |                  |
| 7                                  | Hammer with wooden handles         | 1                                        | NO.  |                 |                  |
| 8                                  | Scissors for sheet metal cutting   | 1                                        | NO.  |                 |                  |
| 9                                  | Torch light (suitable for 2 cells) | 1                                        | NO.  |                 |                  |
| 10                                 | Multimeter                         | 1                                        | NO.  |                 |                  |
| 11                                 | Anemometer                         | 1                                        | NO.  |                 |                  |
| 12                                 | Compound pressure gauge            | 1                                        | NO.  |                 |                  |
| 13                                 | Slide wrench 8"                    | 1                                        | NO.  |                 |                  |
| 14                                 | Slide wrench 10"                   | 1                                        | NO.  |                 |                  |
| 15                                 | Slide wrench 6"                    | 1                                        | NO.  |                 |                  |
| 16                                 | Box spanner set                    | 1                                        | SET  |                 |                  |
| 17                                 | Screw driver set                   | 1                                        | SET  |                 |                  |
| 18                                 | Align key set                      | 1                                        | SET  |                 |                  |
| 19                                 | MS tool box                        | 1                                        | NO   |                 |                  |

**NOTES**

- 1 ABOVE IS THE MINIMUM LIST. ANY OTHER TOOL / TACKEL REQUIRED FOR THE SYSTEM SHALL ALSO BE PROVIDED BY THE VENDOR WITHOUT ANY COST IMPLICATION.

**Particulars of bidder / authorised representative**

|             |                    |                  |             |                     |
|-------------|--------------------|------------------|-------------|---------------------|
|             |                    |                  |             |                     |
| <b>Name</b> | <b>Designation</b> | <b>Signature</b> | <b>DATE</b> | <b>Company Seal</b> |

*Upadhyay*  
6/13/17

|                                                             |                                                                                                                                                     |           |                                   |                 |                  |
|-------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------------------------------|-----------------|------------------|
| SUGGESTED PRICE FORMAT ( For Foreign Vendors)               |                                                                                                                                                     |           |                                   |                 |                  |
| APPENDIX-B                                                  |                                                                                                                                                     |           |                                   |                 |                  |
| PRICE BREAKUP (FOR MAIN PLANT, ESP AND OTHER AUX BUILDINGS) |                                                                                                                                                     |           |                                   |                 |                  |
| ENQUIRY NUMBER                                              |                                                                                                                                                     |           | PE/PG/EN1/E-5490/2016             |                 |                  |
| NAME OF PROJECT:                                            |                                                                                                                                                     |           | 2x660 MW ENNORE SEZ POWER PROJECT |                 |                  |
| NAME OF PACKAGE:                                            |                                                                                                                                                     |           | VENTILATION SYSTEM                |                 |                  |
| TECHNICAL SPECIFICATION No:                                 |                                                                                                                                                     |           | PE-TS-412-554-A001                |                 |                  |
| SL NO                                                       | DESCRIPTION OF EQUIPMENT/ ITEM                                                                                                                      | Qty       | UNIT                              | SUPPLY          |                  |
|                                                             |                                                                                                                                                     |           |                                   | Unit Price (Rs) | Total price (Rs) |
| 1                                                           | FAN BELTS                                                                                                                                           | 1         | SET                               |                 |                  |
| 2                                                           | PRESSURE GAUGE                                                                                                                                      | 1         | NO                                |                 |                  |
| 3                                                           | TEMPERATURE GAUGE                                                                                                                                   | 1         | NO                                |                 |                  |
| 4                                                           | FILTER                                                                                                                                              | 1         | SET                               |                 |                  |
| NOTES                                                       |                                                                                                                                                     |           |                                   |                 |                  |
| 1                                                           | ABOVE IS THE MINIMUM LIST. ANY OTHER COMMISSIONING SPARE REQUIRED FOR THE SYSTEM SHALL ALSO BE PROVIDED BY THE VENDOR WITHOUT ANY COST IMPLICATION. |           |                                   |                 |                  |
| Particulars of bidder / authorised representative           |                                                                                                                                                     |           |                                   |                 |                  |
|                                                             |                                                                                                                                                     |           |                                   |                 |                  |
| Name                                                        | Designation                                                                                                                                         | Signature | DATE                              | Company Seal    |                  |

*Upendra*  
*6/3/17*

| PRICE FORMAT (For Foreign Vendors)                          |                                                                                                                                                                                                                  |                                                                                                           |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
|-------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|--------------------------------|--------------------------------|---------------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------------------------------|-------------------------------------|--------------------------------------|----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|-------|----------------------------------------------------------------------------------------------------|---------------------------------------|
| ANNEXURE - II                                               |                                                                                                                                                                                                                  |                                                                                                           |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
| PRICE BREAKUP (FOR MAIN PLANT, ESP AND OTHER AUX BUILDINGS) |                                                                                                                                                                                                                  |                                                                                                           |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
| LIST OF MANDATORY SPARES                                    |                                                                                                                                                                                                                  |                                                                                                           |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
| ENQUIRY NUMBER                                              |                                                                                                                                                                                                                  | PE/PG/EN1/E-5490/2016                                                                                     |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
| NAME OF PROJECT:                                            |                                                                                                                                                                                                                  | 2x660 MW ENNORE SEZ POWER PROJECT                                                                         |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
| NAME OF PACKAGE:                                            |                                                                                                                                                                                                                  | VENTILATION SYSTEM                                                                                        |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
| TECHNICAL SPECIFICATION No:                                 |                                                                                                                                                                                                                  | PE-TS-412-554-A001                                                                                        |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
| S. No.                                                      | Description                                                                                                                                                                                                      | QTY                                                                                                       | IMPORTED ITEMS ( Supply not from Indian Territory)                                                                                 |                                                                                                                               |                                |                                |                                                                                 |                                                                          | INDIGENEOUS ITEMS (Supply from Indian Territory)                           |                                     |                                      |                                                                                        |                                                                                                             | TOTAL |                                                                                                    |                                       |
|                                                             |                                                                                                                                                                                                                  |                                                                                                           | UNIT F.O.B. Price<br>(including seaworthy<br>packing; handling<br>and<br>transportation to<br>Vendor's own<br>port.)<br>(Currency) | TOTAL F.O.B. Price<br>(including seaworthy<br>packing; handling<br>and transportation to<br>Vendor's own port.)<br>(Currency) | Ocean<br>Freight<br>(Currency) | Ocean /<br>Marine<br>Insurance | Custom<br>Duty after<br>availing<br>CENVAT<br>benefit if<br>applicable<br>(INR) | Inland<br>FREIGHT<br>CHARGES<br>(INCLUDING<br>G SERVICE<br>TAX)<br>(INR) | F.O.R. site<br>Imported<br>Items<br>supply<br>price<br>(Currency<br>+ INR) | UNIT EX-<br>WORKS<br>PRICE<br>(INR) | TOTAL EX-<br>WORKS<br>PRICE<br>(INR) | ED<br>including<br>cess @...%<br>(for self<br>manufactu<br>red items<br>only)<br>(INR) | LST @<br>...%<br>Against C-<br>form B<br>E1/E2 or<br>VAT<br>@...%<br>Whichever<br>is<br>applicable<br>(INR) |       | FREIGHT<br>CHARGES<br>INCLUDING<br>G SERVICE<br>TAX)<br>@...%<br>OF<br>TOTAL EX-<br>WORKS<br>(INR) | TOTAL<br>F.O.R SITE<br>PRICE<br>(INR) |
| A                                                           | MECHANICAL AND GENERAL                                                                                                                                                                                           |                                                                                                           |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
| 1                                                           | CENTRIFUGAL FANS                                                                                                                                                                                                 |                                                                                                           |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
| 1.1                                                         | V-BELTS                                                                                                                                                                                                          | 2 SETS OF EACH TYPE                                                                                       |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
| 1.2                                                         | BLOWER BEARING SETS                                                                                                                                                                                              | 2 SETS OF EACH TYPE                                                                                       |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
| 1.3                                                         | BLOWER MOTOR BEARINGS                                                                                                                                                                                            | 2 SETS OF EACH TYPE                                                                                       |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
| 1.4                                                         | SEAL GASKET AND OTHER WEAR OUT PARTS IN SETS                                                                                                                                                                     | 2 SETS OF EACH TYPE                                                                                       |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
| 1.5                                                         | VIBRATION ISOLATORS                                                                                                                                                                                              | 2 SETS OF EACH TYPE                                                                                       |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
| 2                                                           | AXIAL FANS                                                                                                                                                                                                       |                                                                                                           |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
| 2.1                                                         | FAN BEARINGS                                                                                                                                                                                                     | 2 SETS OF EACH TYPE                                                                                       |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
| 2.2                                                         | FAN MOTOR BEARING                                                                                                                                                                                                | 2 SETS OF EACH TYPE                                                                                       |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
| 2.3                                                         | DRY FILTERS                                                                                                                                                                                                      | 2 SETS OF EACH TYPE AND SIZE                                                                              |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
| 3                                                           | AIR WASHER SYSTEM                                                                                                                                                                                                |                                                                                                           |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
| 3.1                                                         | WATER STRAINERS                                                                                                                                                                                                  | 2 SETS OF EACH SIZE                                                                                       |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
| 3.2                                                         | SPRAY NOZZLES                                                                                                                                                                                                    | 2 SETS OF EACH SIZE                                                                                       |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
| 3.3                                                         | WATER REPELLANT TYPE FILTERS                                                                                                                                                                                     | 2 SETS OF EACH SIZE                                                                                       |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
| 4                                                           | HORIZONTAL CENTRIFUGAL PUMP                                                                                                                                                                                      |                                                                                                           |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
| 4.1                                                         | IMPELLER FOR EACH OF PUMP SET                                                                                                                                                                                    | 2 SETS OF EACH TYPE                                                                                       |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
| 4.2                                                         | BEARINGS                                                                                                                                                                                                         | 2 SETS OF EACH TYPE                                                                                       |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
| 4.3                                                         | SHAFT SLEEVES                                                                                                                                                                                                    | 2 SETS OF EACH TYPE                                                                                       |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
| 4.4                                                         | BEARINGS MOTOR                                                                                                                                                                                                   | 2 SETS OF EACH TYPE                                                                                       |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
| B                                                           | ELECTRICAL                                                                                                                                                                                                       |                                                                                                           |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
| 1                                                           | Terminal plates                                                                                                                                                                                                  |                                                                                                           |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
| a                                                           | For motors upto 30 KW                                                                                                                                                                                            | 10 NOS. EACH FOR SMALL MOTORS UPTO 30 KW                                                                  |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
| b                                                           | For motors above 30 KW                                                                                                                                                                                           | 4 NOS. EACH FOR MORE THAN 30 KW                                                                           |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
| 2                                                           | Heaters                                                                                                                                                                                                          | 2 SETS                                                                                                    |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
| 3                                                           | Greasing arrangements                                                                                                                                                                                            | 4 SETS OF EACH TYPE OF MOTOR.                                                                             |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
| 4                                                           | Motor of each type and rating                                                                                                                                                                                    | 10% OF THE INSTALLED QUANTITY OR MINIMUM 1 NUMBER WHICHEVER                                               |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
| 5                                                           | Bearings (DE and NDE) for each type and rating of motor                                                                                                                                                          | 4 SETS                                                                                                    |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
| C                                                           | CONTROL AND INSTRUMENTATION                                                                                                                                                                                      |                                                                                                           |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
|                                                             | Each type of lamps, PBs, ILPBs, fuse, MCB, MCCB used in the equipment/system.                                                                                                                                    | 20% OF QTY INSTALLED.                                                                                     |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
| a)                                                          | Measuring Instruments                                                                                                                                                                                            |                                                                                                           |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
| 1                                                           | Indicators, recorders and meters offered from each model for the project. These instruments shall be supplied with three sets of blank scales.                                                                   | 20% OF INSTALLED OF EACH TYPE.                                                                            |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
| 1.1                                                         | Indicators, recorders and meters offered from each model for the project. These instruments shall be supplied with three sets of blank scales.                                                                   | 10% OF INSTALLED OF EACH TYPE/MODEL OR A MINIMUM OF ONE NUMBER FOR EACH MODEL AND TYPE, WHICHEVER IS MORE |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
| 1.2                                                         | For skid mounted instruments                                                                                                                                                                                     | 10% OF INSTALLED OF EACH TYPE/MODEL OR A MINIMUM OF ONE NUMBER FOR EACH MODEL AND TYPE, WHICHEVER IS MORE |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
| 2                                                           | Temperature Elements and Thermowells                                                                                                                                                                             |                                                                                                           |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
| 2.1                                                         | Thermocouple/RTD elements                                                                                                                                                                                        | 10% OF INSTALLED OF EACH TYPE/MODEL OR A MINIMUM OF ONE NUMBER FOR EACH MODEL AND TYPE, WHICHEVER IS MORE |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
| 2.2                                                         | Thermowells                                                                                                                                                                                                      | 10% OF INSTALLED OF EACH TYPE/MODEL OR A MINIMUM OF ONE NUMBER FOR EACH MODEL AND TYPE, WHICHEVER IS MORE |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
| 3                                                           | Temperature Transmitters and Electronic Transmitters (For Pressure, DP, Temp, Flow, Level), Temperature, Pressure, Flow & Level Switch, safety switches, Gauges, meters, Transducer or any other instrument etc. | 10% OF INSTALLED OF EACH TYPE/MODEL OR A MINIMUM OF ONE NUMBER FOR EACH MODEL AND TYPE, WHICHEVER IS MORE |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
| b)                                                          | Relay based Control Panels                                                                                                                                                                                       |                                                                                                           |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
| 1                                                           | LEDs for indicating lights                                                                                                                                                                                       | 10% OF QTY INSTALLED.                                                                                     |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
| 2                                                           | Control circuit fuses/MCB/MCCB/ Semiconductor Fuses                                                                                                                                                              | 300% OF INSTALLED OF EACH TYPE, CURRENT RATING.                                                           |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
| 3                                                           | Relays modules & contactors.                                                                                                                                                                                     | 20% SPARE OF QTY INSTALLED OF EACH TYPE & RATING                                                          |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
| c)                                                          | Alarm Annunciation System                                                                                                                                                                                        |                                                                                                           |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
| 1                                                           | logic modules, group card modules, power supply modules, Hooters and any other electronic module.                                                                                                                | 20% SPARES OF EACH TYPE INSTALLED                                                                         |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
| 2                                                           | un-engraved window boxes complete with LED etc.                                                                                                                                                                  | 5% SPARES OF EACH TYPE INSTALLED                                                                          |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
| 3                                                           | LEDs for annunciation facia windows and LEDs box assemblies offer ed for the project                                                                                                                             | 20% OF QTY INSTALLED                                                                                      |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
| 4                                                           | Annunciator hooter                                                                                                                                                                                               | ONE (1) NO. OF EACH TYPE                                                                                  |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
| d)                                                          | Erection hardware                                                                                                                                                                                                |                                                                                                           |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
| 1                                                           | Instrument valves                                                                                                                                                                                                | 10% OF EACH TYPE & SIZE INSTALLED                                                                         |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
| 2                                                           | Condensate pots of each type & Size installed                                                                                                                                                                    | 10% OF TOTAL NUMBER OF INSTALLED OR FOUR NUMBERS                                                          |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
| 3                                                           | Manifold                                                                                                                                                                                                         | 10% OF EACH TYPE & SIZE INSTALLED                                                                         |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
| 4                                                           | Fittings                                                                                                                                                                                                         | 10% OF EACH TYPE & SIZE INSTALLED                                                                         |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
| e)                                                          | Mandatory Spares for Control valves, Power Cylinder, Control Dampers, Actuators and Accessories                                                                                                                  |                                                                                                           |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
| 1                                                           | Following spares shall be furnished for control valves, Power Cylinder, Control Dampers as applicable.                                                                                                           |                                                                                                           |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
| 2                                                           | One set of spare control valve stem packing for each control valve.                                                                                                                                              |                                                                                                           |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
| 3                                                           | Two moulded rubber diaphragms for each control valve.                                                                                                                                                            |                                                                                                           |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
| 4                                                           | One sets of each of O-rings and rubber gaskets for each control valve.                                                                                                                                           |                                                                                                           |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
| 5                                                           | 100 percent qty. of lubricants for gaskets for each control valve on one year consumption basis.                                                                                                                 |                                                                                                           |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
| 6                                                           | 2 sets of limit switches and 1 set of valve positioner for each control valve.                                                                                                                                   |                                                                                                           |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |
| 7                                                           | 20 percent of position transmitter (4-20mA) for total qty. of control valve.                                                                                                                                     |                                                                                                           |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                          |                                                                            |                                     |                                      |                                                                                        |                                                                                                             |       |                                                                                                    |                                       |

Upadhyay  
6/3/17

| PRICE FORMAT (For Foreign Vendors)                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                   |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                        |                                                                            |                                                  |                                      |                                                                                        |                                                                                                              |                                                                                                  |                                       |       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|--------------------------------|--------------------------------|---------------------------------------------------------------------------------|------------------------------------------------------------------------|----------------------------------------------------------------------------|--------------------------------------------------|--------------------------------------|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|---------------------------------------|-------|
| ANNEXURE - II                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                   |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                        |                                                                            |                                                  |                                      |                                                                                        |                                                                                                              |                                                                                                  |                                       |       |
| PRICE BREAKUP (FOR MAIN PLANT, ESP AND OTHER AUX BUILDINGS)                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                   |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                        |                                                                            |                                                  |                                      |                                                                                        |                                                                                                              |                                                                                                  |                                       |       |
| LIST OF MANDATORY SPARES                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                   |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                        |                                                                            |                                                  |                                      |                                                                                        |                                                                                                              |                                                                                                  |                                       |       |
| ENQUIRY NUMBER                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | PE/PG/EN1/E-5490/2016             |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                        |                                                                            |                                                  |                                      |                                                                                        |                                                                                                              |                                                                                                  |                                       |       |
| NAME OF PROJECT:                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2x660 MW ENnore SEZ POWER PROJECT |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                        |                                                                            |                                                  |                                      |                                                                                        |                                                                                                              |                                                                                                  |                                       |       |
| NAME OF PACKAGE:                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | VENTILATION SYSTEM                |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                        |                                                                            |                                                  |                                      |                                                                                        |                                                                                                              |                                                                                                  |                                       |       |
| TECHNICAL SPECIFICATION No:                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | PE-TS-412-554-A001                |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                        |                                                                            |                                                  |                                      |                                                                                        |                                                                                                              |                                                                                                  |                                       |       |
| S. No.                                                                                                                                                                                                                                                          | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | QTY                               | IMPORTED ITEMS ( Supply not from Indian Territory)                                                                                 |                                                                                                                               |                                |                                |                                                                                 |                                                                        |                                                                            | INDIGENEOUS ITEMS (Supply from Indian Territory) |                                      |                                                                                        |                                                                                                              |                                                                                                  |                                       | TOTAL |
|                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                   | UNIT F.O.B. Price<br>(Including seaworthy<br>packing, handling<br>and<br>transportation to<br>Vendor's own<br>port.)<br>(Currency) | TOTAL F.O.B. Price<br>(Including seaworthy<br>packing, handling<br>and transportation to<br>Vendor's own port.)<br>(Currency) | Ocean<br>Freight<br>(Currency) | Ocean /<br>Marine<br>Insurance | Custom<br>Duty after<br>availing<br>CENVAT<br>benefit if<br>applicable<br>(INR) | Inland<br>FREIGHT<br>CHARGES<br>(INCLUDING<br>SERVICE<br>TAX)<br>(INR) | F.O.B. site<br>Imported<br>Items<br>supply<br>price<br>(Currency<br>+ INR) | UNIT EX-<br>WORKS<br>PRICE<br>(INR)              | TOTAL EX-<br>WORKS<br>PRICE<br>(INR) | ED<br>Including<br>cess @...%<br>(for self<br>manufactu<br>red items<br>only)<br>(INR) | GST @<br>...%<br>Against C-<br>form &<br>EI/EZ or<br>VAT<br>@...%<br>Which ever<br>is applicable<br>shall be | FREIGHT<br>CHARGES<br>INCLUDING<br>SERVICE<br>TAX)<br>@...%<br>OF<br>TOTAL EX-<br>WORKS<br>(INR) | TOTAL<br>F.O.B SITE<br>PRICE<br>(INR) |       |
| 8                                                                                                                                                                                                                                                               | One (1) set of valve trim (such as plug, stem, seat ring /cage, guide bushing, stem lock pin, packing retaining ring, etc) for each control valve.                                                                                                                                                                                                                                                                                                                                                                                |                                   |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                        |                                                                            |                                                  |                                      |                                                                                        |                                                                                                              |                                                                                                  |                                       |       |
| 9                                                                                                                                                                                                                                                               | One completes actuator of each type or min 10% for each type and size whichever is more.                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                   |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                        |                                                                            |                                                  |                                      |                                                                                        |                                                                                                              |                                                                                                  |                                       |       |
| 10                                                                                                                                                                                                                                                              | 20 percent of Solenoid valves or min 2 no. of each type for total qty. of control valves.                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                   |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                        |                                                                            |                                                  |                                      |                                                                                        |                                                                                                              |                                                                                                  |                                       |       |
| 11                                                                                                                                                                                                                                                              | 20% of I to P converters, Pressure regulators.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                   |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                        |                                                                            |                                                  |                                      |                                                                                        |                                                                                                              |                                                                                                  |                                       |       |
| f)                                                                                                                                                                                                                                                              | Mandatory spares not covered above                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                   |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                        |                                                                            |                                                  |                                      |                                                                                        |                                                                                                              |                                                                                                  |                                       |       |
|                                                                                                                                                                                                                                                                 | Bidder to supply 10% or 1 no. (whichever is more) of each type of sensor/instrument, instrumentation/mechanical fittings etc for any other electronic system, feeder control cabinets, hydrastep (EWL), Vibration Monitoring System, CCTV, C&I Lab Instruments, On line Carbon in Ash analyser system, On line Coal mass flow/speed measurement system, On line secondary air flow measurement system Mass Flow meter, Solid flow meter, 3 D Acoustic type-level transmitters, Nucleonic & non nucleonic density transmitter etc. |                                   |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                        |                                                                            |                                                  |                                      |                                                                                        |                                                                                                              |                                                                                                  |                                       |       |
| Note: Mandatory spares listed above is bare minimum requirement. In case any additional mandatory spares requirement is covered elsewhere in the tender specification as specified above, same shall be deemed to have been covered in bidders scope of supply. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                   |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                        |                                                                            |                                                  |                                      |                                                                                        |                                                                                                              |                                                                                                  |                                       |       |
| Particulars of bidder / authorised representative                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                   |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                        |                                                                            |                                                  |                                      |                                                                                        |                                                                                                              |                                                                                                  |                                       |       |
|                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                   |                                                                                                                                    |                                                                                                                               |                                |                                |                                                                                 |                                                                        |                                                                            |                                                  |                                      |                                                                                        |                                                                                                              |                                                                                                  |                                       |       |
| Name                                                                                                                                                                                                                                                            | Designation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Signature                         | Date                                                                                                                               |                                                                                                                               |                                |                                |                                                                                 |                                                                        |                                                                            |                                                  |                                      |                                                                                        |                                                                                                              |                                                                                                  |                                       |       |

Yendys  
6/3/17

|                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                   |         |                                                          |             |          |
|-------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|---------|----------------------------------------------------------|-------------|----------|
| PRICE FORMAT (For Foreign Bidders)                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                   |         |                                                          |             |          |
| ANNEXURE - III                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                   |         |                                                          |             |          |
| PRICE BREAKUP (FOR MAIN PLANT, ESP AND OTHER AUX BUILDINGS) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                   |         |                                                          |             |          |
| Guaranteed Power Consumption For Ventilation System         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                   |         |                                                          |             |          |
| ENQUIRY NUMBER                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | PE/PG/EN1/E-5490/2016             |         |                                                          |             |          |
| NAME OF PROJECT:                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2x660 MW ENNORE SEZ POWER PROJECT |         |                                                          |             |          |
| NAME OF PACKAGE:                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | VENTILATION SYSTEM                |         |                                                          |             |          |
| TECHNICAL SPECIFICATION No:                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | PE-TS-412-554-A001                |         |                                                          |             |          |
| S.NO.                                                       | DESCRIPTION OF EQUIPMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | NO OF EQUIPMENT                   |         | TOTAL GUARANTEED POWER CONSUMPTION FOR EACH EQUIPMENT AT | DUTY FACTOR | TOTAL KW |
|                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | WORKING                           | STANDBY |                                                          |             |          |
|                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 3A                                | 3B      | 4                                                        | 5           | 6=3Ax4x5 |
| 1                                                           | VENTILATION SYSTEM FOR TG BUILDING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                   |         |                                                          |             |          |
| 1.1                                                         | Centrifugal Fan of cap. 83, 500 CMH at 75 mmwc static pr for air Washers.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 24                                | 0       |                                                          | 1           |          |
| 1.2                                                         | Pumps for circulation of water in spray chamber of above air washer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 8                                 | 8       |                                                          | 1           |          |
| 1.3                                                         | RE Units 50,000 cmh at 15mmwc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 28                                | 0       |                                                          | 1           |          |
| 2                                                           | VENTILATION SYSTEM FOR ESP BUILDING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                   |         |                                                          |             |          |
| 2.1                                                         | Centrifugal Fan of cap. 75,000 CMH at 75 mmwc static pr for UAF.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2                                 | 0       |                                                          | 1           |          |
| 2.2                                                         | Pump for above UAF.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2                                 | 2       |                                                          | 1           |          |
|                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                   |         | TOTAL (KW)                                               |             | 1050     |
| Note:                                                       | Estimated power consumption (EPC) figure for the system (for working drives only) has been considered as 1050 KW. So long bidder's quoted guaranteed power consumption (GPC) above remains within this EPC, there will be no technical loading of bid on power consumption for evaluation. However, if bidder's quoted GPC exceeds EPC, there shall be technical loading of bid for evaluation @ Rs 3,56,607/- per KW of additional power over EPC.<br><br>Bidder's guaranteed power consumption at motor input terminals (not shaft power) as furnished in relevant schedule shall be demonstrated by the successful bidder during performance testing at works/ site. In case power consumption is noted higher than EPC / bidder's quoted GPC whichever is higher, during inspection/ PG test, penalty @ Rs 3,56,607/- per KW shall be levied on vendor. |                                   |         |                                                          |             |          |
| Particulars of bidder / authorised representative           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                   |         |                                                          |             |          |
|                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                   |         |                                                          |             |          |
| Name                                                        | Designation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Signature                         | DATE    | Company Seal                                             |             |          |

U/bends  
8/3/17

| PRICE FORMAT (Indian Vendors)                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                   |                           |                                                                  |                                                                                 |                                                                         |                                  |                            |                         |                                                                |                                                                |
|-------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|---------------------------|------------------------------------------------------------------|---------------------------------------------------------------------------------|-------------------------------------------------------------------------|----------------------------------|----------------------------|-------------------------|----------------------------------------------------------------|----------------------------------------------------------------|
| Enquiry Number                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | PE/PG/EN1/E-5490/2016             |                           |                                                                  |                                                                                 |                                                                         |                                  |                            |                         |                                                                |                                                                |
| NAME OF PROJECT:                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 2x660 MW ENNORE SEZ POWER PROJECT |                           |                                                                  |                                                                                 |                                                                         |                                  |                            |                         |                                                                |                                                                |
| NAME OF PACKAGE:                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | VENTILATION SYSTEM                |                           |                                                                  |                                                                                 |                                                                         |                                  |                            |                         |                                                                |                                                                |
| TECHNICAL SPECIFICATION No:                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | PE-TS-412-554-A001 Rev (1)        |                           |                                                                  |                                                                                 |                                                                         |                                  |                            |                         |                                                                |                                                                |
|                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                   | Supply                    |                                                                  |                                                                                 |                                                                         |                                  | ERECTION AND COMMISSIONING |                         |                                                                | TOTAL                                                          |
| S. No.                                                                                                | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | UNIT                              | Total ex-works price (Rs) | ED Including cess @...% (for self manufactured items only) (INR) | CST @ ....% Against C-form & EI/EZ or VAT @.....% Whichever is applicable (INR) | FREIGHT CHARGES INCLUDING SERVICE TAX) @ .....% OF TOTAL EX-WORKS (INR) | TOTAL FOR site price SUPPLY (Rs) | Total price for E&C (Rs)   | Service Tax@ ... % (Rs) | TOTAL PRICE (Erection and commissioning including Service tax) | Total Price Supply FOR site and E&C including service tax (Rs) |
| 1                                                                                                     | Total lump sum firm price inclusive of all prevailing taxes, duties and other levies for <b>Supply part, Services part and Mandatory spares (if applicable)</b> comprising of design (i.e.preparation and submission of drawing /documents including "As Built" drawings and O&M manuals), engineering, manufacture, fabrication, assembly, inspection / testing at vendor's & sub-vendor's works, painting, maintenance / special tools & tackles (as applicable) alongwith spares for erection, startup and commissioning as required, forwarding, proper packing, shipment and delivery at site, unloading, handling, transportation & storage at site, in-site transportation, assembly, erection & commissioning, final painting at site, minor civil work, trial run at site, preparation of layout drawings 3D (as applicable) and carrying out Performance guarantee / Functional / Demonstration tests at site (As applicable), training of customer/client O&M staff (if applicable) and handover in flawless condition of the package to the end customer complete with all accessories for the total scope defined as per BHEL NIT & tender technical specification as specified above, amendment & agreements till placement of order. | Lot                               |                           |                                                                  |                                                                                 |                                                                         |                                  |                            |                         |                                                                |                                                                |
| 2                                                                                                     | <b>MAJOR BREAK-UP OF PRICES GIVEN IN 1.0 ABOVE.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                   |                           |                                                                  |                                                                                 |                                                                         |                                  |                            |                         |                                                                |                                                                |
| 2.1                                                                                                   | Total lump sum firm price inclusive of all prevailing taxes, duties and other levies for <b>Supply part</b> comprising of design (i.e.preparation and submission of drawing /documents including "As Built" drawings and O&M manuals), engineering, manufacture, fabrication, assembly, inspection / testing at vendor's & sub-vendor's works, painting, maintenance / special tools & tackles (as applicable), alongwith spares for erection as required, startup and commissioning spares as required, forwarding, proper packing, shipment and delivery at site, preparation of layout drawings 3D (as applicable) for the total scope defined as per BHEL NIT & tender technical specification as specified above, amendment & agreements till placement of order. (Break-up as per Annexure-I)                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Lot                               |                           |                                                                  |                                                                                 |                                                                         |                                  |                            |                         |                                                                |                                                                |
| 2.2                                                                                                   | Total lumpsum firm prices inclusive of all prevailing taxes, duties and other levies for <b>Services part</b> comprising of service part for unloading, handling, transportation & storage at site, in-site transportation, assembly, erection & commissioning, final painting at site, minor civil work, trial run at site and carrying out Performance guarantee / Functional / Demonstration tests at site (As applicable), training of customer/client O&M staff (if applicable) and handover in flawless condition of the package to the end customer complete with all accessories for the total scope defined as per BHEL NIT & tender technical specification as specified above, amendment & agreements till placement of order. (Break-up as per Annexure-I)                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Lot                               |                           |                                                                  |                                                                                 |                                                                         |                                  |                            |                         |                                                                |                                                                |
| 2.3                                                                                                   | Total lumpsum firm price inclusive of all prevailing taxes, duties and other levies for <b>Mandatory spares</b> comprising of manufacture, fabrication, assembly, inspection / testing (as applicable) at vendor's & sub-vendor's works, painting, forwarding, proper packing, shipment, delivery at site & guarantee as per tender technical specification above, amendment & agreements till placement of order. (Price break up of mandatory spares is to be furnished as per Annexure- II)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Lot                               |                           |                                                                  |                                                                                 |                                                                         |                                  |                            |                         |                                                                |                                                                |
| Note:<br>1.) Bidder to quote Guaranteed Power Consumption for Ventilation System as per Annexure-III. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                   |                           |                                                                  |                                                                                 |                                                                         |                                  |                            |                         |                                                                |                                                                |
| Particulars of bidder / authorised representative                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Name                              |                           | Designation                                                      |                                                                                 | Signature                                                               |                                  | Date                       |                         | Company Seal                                                   |                                                                |

Y. S. S. S.  
6/3/17

| PRICE FORMAT (Indian Vendors)                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                   |       |                 |                           |                                                                  |                                                                                 |                                                                         |                                  |                 |                  |                        |       |                                                                |
|-------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-------|-----------------|---------------------------|------------------------------------------------------------------|---------------------------------------------------------------------------------|-------------------------------------------------------------------------|----------------------------------|-----------------|------------------|------------------------|-------|----------------------------------------------------------------|
| ANNEXURE - I                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                   |       |                 |                           |                                                                  |                                                                                 |                                                                         |                                  |                 |                  |                        |       |                                                                |
| PRICE BREAKUP (FOR MAIN PLANT, ESP AND OTHER AUX BUILDINGS) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                   |       |                 |                           |                                                                  |                                                                                 |                                                                         |                                  |                 |                  |                        |       |                                                                |
| ENQUIRY NUMBER                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | PE/PG/EN1/E-5490/2016             |       |                 |                           |                                                                  |                                                                                 |                                                                         |                                  |                 |                  |                        |       |                                                                |
| NAME OF PROJECT:                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2x660 MW ENNORE SEZ POWER PROJECT |       |                 |                           |                                                                  |                                                                                 |                                                                         |                                  |                 |                  |                        |       |                                                                |
| NAME OF PACKAGE:                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | VENTILATION SYSTEM                |       |                 |                           |                                                                  |                                                                                 |                                                                         |                                  |                 |                  |                        |       |                                                                |
| TECHNICAL SPECIFICATION No:                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | PE-TS-412-554-A001                |       |                 |                           |                                                                  |                                                                                 |                                                                         |                                  |                 |                  |                        |       |                                                                |
| SL NO                                                       | DESCRIPTION OF EQUIPMENT/ ITEM                                                                                                                                                                                                                                                                                                                                                                                                                                   | QTY                               | UNIT  | SUPPLY          |                           |                                                                  |                                                                                 |                                                                         | ERECTION AND COMMISSIONING       |                 |                  |                        | TOTAL |                                                                |
|                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                   |       | Unit Price (Rs) | Total ex-works price (Rs) | ED including cess @...% (for self manufactured items only) (INR) | CST @ .....% Against C-form & E/E2 or VAT @.....% Whichever is applicable (INR) | FREIGHT CHARGES INCLUDING SERVICE TAX) @ .....% OF TOTAL EX-WORKS (INR) | TOTAL FOR site price SUPPLY (Rs) | Unit Price (Rs) | Total price (Rs) | Service Tax@ ...% (Rs) |       | TOTAL PRICE (Erection and commissioning including Service tax) |
| 1                                                           | Sheet metal type air washer unit with centrifugal fan (DIDW) with motor, pumps with motors, air washer internals, inlet air louvers, filters, piping as per IS:1239, Part-I (heavy class galvanised), valves, nozzles, level switch, temp indicators, back wash arrangement, galvanised drain piping, etc as per specification of capacity 2,50,000 CMH. Each air washer has 3 no centrifugal fan ( 3 x 33% duty) of capacity 83,500 CMH each at min. 75 mm SP.  | 8                                 | NO    |                 |                           |                                                                  |                                                                                 |                                                                         |                                  |                 |                  |                        |       |                                                                |
| 2                                                           | Unitary air filtration unit with centrifugal fan (SISW) with motor, pumps with motors, filters, UAF internals, piping as per IS: 1239 pt I (heavy class galvanised), valves for auto start of standby equipment, nozzles, level switch, pressure switches, Temp. indicators, back wash arrangement, galvanised drain piping etc. as per spec. of capacity 75,000 CMH.Each UAF has 1 no centrifugal fan ( 1 x 100% duty) of capacity 75,000 CMH at min. 75 mm SP. | 2                                 | NO    |                 |                           |                                                                  |                                                                                 |                                                                         |                                  |                 |                  |                        |       |                                                                |
| 3*                                                          | Supply air ducting (finished) for above area complete with dampers, grills (with VCD & without VCD), supports (painted) and all accessories as specified.                                                                                                                                                                                                                                                                                                        |                                   |       |                 |                           |                                                                  |                                                                                 |                                                                         |                                  |                 |                  |                        |       |                                                                |
| 3.1*                                                        | Finished GSS (zinc coating 275 gms/sq.m) Ducting with support structure etc.                                                                                                                                                                                                                                                                                                                                                                                     |                                   |       |                 |                           |                                                                  |                                                                                 |                                                                         |                                  |                 |                  |                        |       |                                                                |
| a)*                                                         | 18 G                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 4000                              | SQM*  |                 |                           |                                                                  |                                                                                 |                                                                         |                                  |                 |                  |                        |       |                                                                |
| b)*                                                         | 20 G                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 4000                              | SQM*  |                 |                           |                                                                  |                                                                                 |                                                                         |                                  |                 |                  |                        |       |                                                                |
| c)*                                                         | 22 G                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 3000                              | SQM*  |                 |                           |                                                                  |                                                                                 |                                                                         |                                  |                 |                  |                        |       |                                                                |
| d)*                                                         | 24 G                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 4000                              | SQM*  |                 |                           |                                                                  |                                                                                 |                                                                         |                                  |                 |                  |                        |       |                                                                |
| 3.2*                                                        | MS Duct With Epoxy paint for battery room.                                                                                                                                                                                                                                                                                                                                                                                                                       | 200                               | SQM*  |                 |                           |                                                                  |                                                                                 |                                                                         |                                  |                 |                  |                        |       |                                                                |
| 3.3*                                                        | MS Grilles with VCD                                                                                                                                                                                                                                                                                                                                                                                                                                              | 200                               | SQM*  |                 |                           |                                                                  |                                                                                 |                                                                         |                                  |                 |                  |                        |       |                                                                |
| 3.4*                                                        | MS Grilles without VCD                                                                                                                                                                                                                                                                                                                                                                                                                                           | 10                                | SQM*  |                 |                           |                                                                  |                                                                                 |                                                                         |                                  |                 |                  |                        |       |                                                                |
| 3.5*                                                        | Exposed duct insulation with fibre glass insulation as per specifications.                                                                                                                                                                                                                                                                                                                                                                                       | 2000                              | SQM*  |                 |                           |                                                                  |                                                                                 |                                                                         |                                  |                 |                  |                        |       |                                                                |
| 3.6*                                                        | Wall mounted dampers (gravity operated) for different areas.                                                                                                                                                                                                                                                                                                                                                                                                     | 30                                | SQM*  |                 |                           |                                                                  |                                                                                 |                                                                         |                                  |                 |                  |                        |       |                                                                |
| 3.7*                                                        | Inlet Louvres                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 20                                | SQM*  |                 |                           |                                                                  |                                                                                 |                                                                         |                                  |                 |                  |                        |       |                                                                |
| 4*                                                          | FIRE DAMPER                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                   |       |                 |                           |                                                                  |                                                                                 |                                                                         |                                  |                 |                  |                        |       |                                                                |
| a)*                                                         | Fire damper                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 30                                | SQM*  |                 |                           |                                                                  |                                                                                 |                                                                         |                                  |                 |                  |                        |       |                                                                |
| b)*                                                         | Motorized Actuator with single phase power supply for the above Fire damper with auto resetting, limit switches, indication lamps etc                                                                                                                                                                                                                                                                                                                            | 45                                | SQM*  |                 |                           |                                                                  |                                                                                 |                                                                         |                                  |                 |                  |                        |       |                                                                |
| c)*                                                         | Fusible Link type Fire Damper                                                                                                                                                                                                                                                                                                                                                                                                                                    | 20                                | SQM*  |                 |                           |                                                                  |                                                                                 |                                                                         |                                  |                 |                  |                        |       |                                                                |
| 5*                                                          | 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                                                                                                                                                                                                                                                                                                                                                                                                                     | 28                                | 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                                                                                                                                                                                                                                                                                                                                                                                                                     | 1                                 | Nos.* |                 |                           |                                                                  |                                                                                 |                                                                         |                                  |                 |                  |                        |       |                                                                |

61919

PRICE BREAKUP (FOR MAIN PLANT, ESP AND OTHER AUX BUILDINGS)

| ENQUIRY NUMBER              |                                                                                                                                                                                                                                                                                                                             | PE/PG/EN1/E-5490/2016             |       |                 |                           |                                                                  |                                                                                    |                                                                         |                                  |                            |                  |                         |                                                                |       |  |  |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-------|-----------------|---------------------------|------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------|----------------------------------|----------------------------|------------------|-------------------------|----------------------------------------------------------------|-------|--|--|
| NAME OF PROJECT:            |                                                                                                                                                                                                                                                                                                                             | 2x660 MW ENNORE SEZ POWER PROJECT |       |                 |                           |                                                                  |                                                                                    |                                                                         |                                  |                            |                  |                         |                                                                |       |  |  |
| NAME OF PACKAGE:            |                                                                                                                                                                                                                                                                                                                             | VENTILATION SYSTEM                |       |                 |                           |                                                                  |                                                                                    |                                                                         |                                  |                            |                  |                         |                                                                |       |  |  |
| TECHNICAL SPECIFICATION No: |                                                                                                                                                                                                                                                                                                                             | PE-TS-412-554-A001                |       |                 |                           |                                                                  |                                                                                    |                                                                         |                                  |                            |                  |                         |                                                                |       |  |  |
| SL NO                       | DESCRIPTION OF EQUIPMENT/ ITEM                                                                                                                                                                                                                                                                                              | Qty                               | UNIT  | SUPPLY          |                           |                                                                  |                                                                                    |                                                                         |                                  | ERECTION AND COMMISSIONING |                  |                         |                                                                | TOTAL |  |  |
|                             |                                                                                                                                                                                                                                                                                                                             |                                   |       | Unit Price (Rs) | Total ex-works price (Rs) | ED including cess @...% (for self manufactured items only) (INR) | CST @ .....% Against C-form & EI/E2 or VAT @.....% . Whichever is applicable (INR) | FREIGHT CHARGES INCLUDING SERVICE TAX) @ .....% OF TOTAL EX-WORKS (INR) | TOTAL FOR site price SUPPLY (Rs) | Unit Price (Rs)            | Total price (Rs) | Service Tax@ ... % (Rs) | TOTAL PRICE (Erection and commissioning Including Service tax) |       |  |  |
| 6*                          | Axial flow supply fans with pre and fine filter (wall mounted) complete with casing, TEFC sq cage induction motors & mounting frame, MS rain protection cowl, bird screen and all other accessories (suitable for 415V/3-phase supply). Following fan shall have 30 mmwc static pressure.                                   |                                   |       |                 |                           |                                                                  |                                                                                    |                                                                         |                                  |                            |                  |                         |                                                                |       |  |  |
| a)*                         | Capacity 10,000 CMH with Motor rating 2.2 KW                                                                                                                                                                                                                                                                                | 8                                 | Nos.* |                 |                           |                                                                  |                                                                                    |                                                                         |                                  |                            |                  |                         |                                                                |       |  |  |
| b)*                         | Capacity 7,500 CMH with Motor rating 1.5 KW                                                                                                                                                                                                                                                                                 | 8                                 | Nos.* |                 |                           |                                                                  |                                                                                    |                                                                         |                                  |                            |                  |                         |                                                                |       |  |  |
| c)*                         | Capacity 6,000 CMH with Motor rating 1.1 KW                                                                                                                                                                                                                                                                                 | 15                                | Nos.* |                 |                           |                                                                  |                                                                                    |                                                                         |                                  |                            |                  |                         |                                                                |       |  |  |
| d)*                         | Capacity 4,000 CMH with Motor rating 0.75 KW                                                                                                                                                                                                                                                                                | 10                                | Nos.* |                 |                           |                                                                  |                                                                                    |                                                                         |                                  |                            |                  |                         |                                                                |       |  |  |
| 7*                          | Axial flow supply fans with pre filter (wall mounted) complete with casing, TEFC sq cage induction motors & mounting frame, MS rain protection cowl, bird screen and all other accessories (suitable for 415V/3-phase supply) as specified. Following fan shall have 20 mmwc static pressure.                               |                                   |       |                 |                           |                                                                  |                                                                                    |                                                                         |                                  |                            |                  |                         |                                                                |       |  |  |
| a)*                         | Capacity 10,000 CMH with Motor rating 1.5 KW                                                                                                                                                                                                                                                                                | 20                                | Nos.* |                 |                           |                                                                  |                                                                                    |                                                                         |                                  |                            |                  |                         |                                                                |       |  |  |
| b)*                         | Capacity 7,500 CMH with Motor rating 1.1 KW                                                                                                                                                                                                                                                                                 | 10                                | Nos.* |                 |                           |                                                                  |                                                                                    |                                                                         |                                  |                            |                  |                         |                                                                |       |  |  |
| c)*                         | Capacity 6,000 CMH with Motor rating 1.1 KW                                                                                                                                                                                                                                                                                 | 2                                 | Nos.* |                 |                           |                                                                  |                                                                                    |                                                                         |                                  |                            |                  |                         |                                                                |       |  |  |
| d)*                         | Capacity 4,000 CMH with Motor rating 0.75 KW                                                                                                                                                                                                                                                                                | 2                                 | Nos.* |                 |                           |                                                                  |                                                                                    |                                                                         |                                  |                            |                  |                         |                                                                |       |  |  |
| 8*                          | Axial flow exhaust fans (Bifurcated type, spark proof construction, wall mounted) complete with casing, flame proof motor & mounting frame, MS rain protection cowl, bird screen and all other accessories epoxy painted (suitable for 415V/3-phase supply) as specified. Following fan shall have 15 mmwc static pressure. |                                   |       |                 |                           |                                                                  |                                                                                    |                                                                         |                                  |                            |                  |                         |                                                                |       |  |  |
| a)*                         | Capacity 15,000 CMH with Motor rating 2.2 KW                                                                                                                                                                                                                                                                                | 5                                 | Nos.* |                 |                           |                                                                  |                                                                                    |                                                                         |                                  |                            |                  |                         |                                                                |       |  |  |
| b)*                         | Capacity 10,000 CMH with Motor rating 1.5 KW                                                                                                                                                                                                                                                                                | 8                                 | Nos.* |                 |                           |                                                                  |                                                                                    |                                                                         |                                  |                            |                  |                         |                                                                |       |  |  |
| c)*                         | Capacity 7,500 CMH with Motor rating 1.1 KW                                                                                                                                                                                                                                                                                 | 6                                 | Nos.* |                 |                           |                                                                  |                                                                                    |                                                                         |                                  |                            |                  |                         |                                                                |       |  |  |
| d)*                         | Capacity 4,000 CMH with Motor rating 0.55 KW                                                                                                                                                                                                                                                                                | 4                                 | Nos.* |                 |                           |                                                                  |                                                                                    |                                                                         |                                  |                            |                  |                         |                                                                |       |  |  |
| e)*                         | Capacity 2,000 CMH with Motor rating 0.55 KW                                                                                                                                                                                                                                                                                | 4                                 | Nos.* |                 |                           |                                                                  |                                                                                    |                                                                         |                                  |                            |                  |                         |                                                                |       |  |  |
| 9*                          | Axial flow exhaust fans (Wall mounted) complete with casing, TEFC sq cage induction motor & mounting frame, MS rain protection cowl, bird screen and all other accessories epoxy painted (suitable for 415V/3-phase supply) as specified.Following fan shall have 10 mmwc static pressure.                                  |                                   |       |                 |                           |                                                                  |                                                                                    |                                                                         |                                  |                            |                  |                         |                                                                |       |  |  |
| a)*                         | Capacity 15,000 CMH with Motor rating 1.1 KW                                                                                                                                                                                                                                                                                | 12                                | Nos.* |                 |                           |                                                                  |                                                                                    |                                                                         |                                  |                            |                  |                         |                                                                |       |  |  |
| b)*                         | Capacity 10,000 CMH with Motor rating 0.75 KW                                                                                                                                                                                                                                                                               | 5                                 | Nos.* |                 |                           |                                                                  |                                                                                    |                                                                         |                                  |                            |                  |                         |                                                                |       |  |  |
| c)*                         | Capacity 7,500 CMH with Motor rating 0.55 KW                                                                                                                                                                                                                                                                                | 4                                 | Nos.* |                 |                           |                                                                  |                                                                                    |                                                                         |                                  |                            |                  |                         |                                                                |       |  |  |
| d)*                         | Capacity 6,000 CMH with Motor rating 0.55 KW                                                                                                                                                                                                                                                                                | 20                                | Nos.* |                 |                           |                                                                  |                                                                                    |                                                                         |                                  |                            |                  |                         |                                                                |       |  |  |
| e)*                         | Capacity 4,000 CMH with Motor rating 0.55 KW                                                                                                                                                                                                                                                                                | 5                                 | Nos.* |                 |                           |                                                                  |                                                                                    |                                                                         |                                  |                            |                  |                         |                                                                |       |  |  |
| f)*                         | Capacity 2,000 CMH with Motor rating 0.37 KW                                                                                                                                                                                                                                                                                | 5                                 | Nos.* |                 |                           |                                                                  |                                                                                    |                                                                         |                                  |                            |                  |                         |                                                                |       |  |  |

Updtd  
6/12/17

| PRICE BREAKUP (FOR MAIN PLANT, ESP AND OTHER AUX BUILDINGS)                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                         |             |                                   |                 |                           |                                                                  |                                                                                    |                                                                         |                                        |                            |                  |                         |                                                                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------------------|-----------------|---------------------------|------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------|----------------------------------------|----------------------------|------------------|-------------------------|----------------------------------------------------------------|
| ENQUIRY NUMBER                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                         |             | PE/PG/EN1/E-5490/2016             |                 |                           |                                                                  |                                                                                    |                                                                         |                                        |                            |                  |                         |                                                                |
| NAME OF PROJECT:                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                         |             | 2x660 MW ENNORE SEZ POWER PROJECT |                 |                           |                                                                  |                                                                                    |                                                                         |                                        |                            |                  |                         |                                                                |
| NAME OF PACKAGE:                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                         |             | VENTILATION SYSTEM                |                 |                           |                                                                  |                                                                                    |                                                                         |                                        |                            |                  |                         |                                                                |
| TECHNICAL SPECIFICATION No:                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                         |             | PE-TS-412-554-A001                |                 |                           |                                                                  |                                                                                    |                                                                         |                                        |                            |                  |                         |                                                                |
| SL NO                                                                                                                                                                                                                                                                                             | DESCRIPTION OF EQUIPMENT/ ITEM                                                                                                                                                                                                          | QTY         | UNIT                              | SUPPLY          |                           |                                                                  |                                                                                    |                                                                         | TOTAL PRICE FOR site price SUPPLY (Rs) | ERECTION AND COMMISSIONING |                  |                         | TOTAL                                                          |
|                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                         |             |                                   | Unit Price (Rs) | Total ex-works price (Rs) | ED including cess @...% (for self manufactured items only) (INR) | CST @ .....% Against C-form & EI/E2 or VAT @.....% . Whichever is applicable (INR) | FREIGHT CHARGES INCLUDING SERVICE TAX) @ .....% OF TOTAL EX-WORKS (INR) |                                        | Unit Price (Rs)            | Total price (Rs) | Service Tax@ ... % (Rs) |                                                                |
| 10*                                                                                                                                                                                                                                                                                               | Exhaust fan (propeller type) completes with induction motor & mounting frame MS rain protection cowl, bird screen and all other accessories as specified (suitable for 240V/ 1 phase). Following fan shall have 5 mmwc static pressure. |             |                                   |                 |                           |                                                                  |                                                                                    |                                                                         |                                        |                            |                  |                         | Total Price Supply FOR site and E&C Including service tax (Rs) |
| a)*                                                                                                                                                                                                                                                                                               | Capacity 1200 CMH with Motor rating 100 watts                                                                                                                                                                                           | 130         | Nos.*                             |                 |                           |                                                                  |                                                                                    |                                                                         |                                        |                            |                  |                         |                                                                |
| 11*                                                                                                                                                                                                                                                                                               | Handling arrangement for AC equipments                                                                                                                                                                                                  |             |                                   |                 |                           |                                                                  |                                                                                    |                                                                         |                                        |                            |                  |                         |                                                                |
| (a)*                                                                                                                                                                                                                                                                                              | Manually operated, platform trolley of 1 Ton capacity with base area 2m x 1.5m                                                                                                                                                          | 2           | NO*                               |                 |                           |                                                                  |                                                                                    |                                                                         |                                        |                            |                  |                         |                                                                |
| (b)*                                                                                                                                                                                                                                                                                              | IT Chain pulley block with travelling trolley                                                                                                                                                                                           | 4           | NO*                               |                 |                           |                                                                  |                                                                                    |                                                                         |                                        |                            |                  |                         |                                                                |
| 12                                                                                                                                                                                                                                                                                                | Total lumpsum price for special tools & tackles for maintenance inclusive of packing forwarding, transportation up to site, etc. (Bidder shall submit item-wise price break-up-As per Appendix A).                                      | 1           | LOT                               |                 |                           |                                                                  |                                                                                    |                                                                         |                                        |                            |                  |                         |                                                                |
| 13                                                                                                                                                                                                                                                                                                | Total lumpsum price for commissioning spares inclusive of packing forwarding, transportation up to site, etc. (Bidder shall submit item-wise price break-up-As per Appendix B).                                                         | 1           | LOT                               |                 |                           |                                                                  |                                                                                    |                                                                         |                                        |                            |                  |                         |                                                                |
| 14                                                                                                                                                                                                                                                                                                | FIELD INSTRUMENTS like pressure gauge, temperature gauge, pressure switch, differential pressure switch, velocity sensor/static pressure sensor,flow switch and other instrument required for Ventilation System etc.                   | 1           | LOT                               |                 |                           |                                                                  |                                                                                    |                                                                         |                                        |                            |                  |                         |                                                                |
| 15                                                                                                                                                                                                                                                                                                | Any other item not indicated above, but required to make the system complete in all respects.                                                                                                                                           | 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. The unit rates quoted above shall be considered and no separate unit rates shall be quoted. Unit rates shall be valid throughout the contract. |                                                                                                                                                                                                                                         |             |                                   |                 |                           |                                                                  |                                                                                    |                                                                         |                                        |                            |                  |                         |                                                                |
| Particulars of bidder / authorised representative                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                         |             |                                   |                 |                           |                                                                  |                                                                                    |                                                                         |                                        |                            |                  |                         |                                                                |
| Name                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                         | Designation |                                   | Signature       |                           | Date                                                             |                                                                                    | Company Seal                                                            |                                        |                            |                  |                         |                                                                |

Upendra  
2/12/19

**PRICE FORMAT (Indian Vendors)**

**APPENDIX-A**

**PRICE BREAKUP (FOR MAIN PLANT, ESP AND OTHER AUX BUILDINGS)**

| <b>NAME OF PROJECT:</b>                                  |                                                                                                                                               | 2x660 MW ENNORE SEZ POWER PROJECT |             |                     |                  |
|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-------------|---------------------|------------------|
| <b>NAME OF PACKAGE:</b>                                  |                                                                                                                                               | VENTILATION SYSTEM                |             |                     |                  |
| <b>TECHNICAL SPECIFICATION No:</b>                       |                                                                                                                                               | PE-TS-412-554-A001                |             |                     |                  |
| SL NO                                                    | DESCRIPTION OF EQUIPMENT/ ITEM                                                                                                                | Qty                               | UNIT        | SUPPLY              |                  |
|                                                          |                                                                                                                                               |                                   |             | Unit Price (Rs)     | Total price (Rs) |
| 1                                                        | Measuring tape                                                                                                                                | 1                                 | NO          |                     |                  |
| 2                                                        | Tachometer                                                                                                                                    | 1                                 | NO          |                     |                  |
| 3                                                        | Double ended spanner                                                                                                                          | 1                                 | SET         |                     |                  |
| 4                                                        | Ring spanners                                                                                                                                 | 1                                 | SET         |                     |                  |
| 5                                                        | Gasket punch                                                                                                                                  | 1                                 | NO.         |                     |                  |
| 6                                                        | Center punch                                                                                                                                  | 1                                 | NO.         |                     |                  |
| 7                                                        | Hammer with wooden handles                                                                                                                    | 1                                 | NO.         |                     |                  |
| 8                                                        | Scissors for sheet metal cutting                                                                                                              | 1                                 | NO.         |                     |                  |
| 9                                                        | Torch light (suitable for 2 cells)                                                                                                            | 1                                 | NO.         |                     |                  |
| 10                                                       | Multimeter                                                                                                                                    | 1                                 | NO.         |                     |                  |
| 11                                                       | Anemometer                                                                                                                                    | 1                                 | NO.         |                     |                  |
| 12                                                       | Compound pressure gauge                                                                                                                       | 1                                 | NO.         |                     |                  |
| 13                                                       | Slide wrench 8"                                                                                                                               | 1                                 | NO.         |                     |                  |
| 14                                                       | Slide wrench 10"                                                                                                                              | 1                                 | NO.         |                     |                  |
| 15                                                       | Slide wrench 6"                                                                                                                               | 1                                 | NO.         |                     |                  |
| 16                                                       | Box spanner set                                                                                                                               | 1                                 | SET         |                     |                  |
| 17                                                       | Screw driver set                                                                                                                              | 1                                 | SET         |                     |                  |
| 18                                                       | Align key set                                                                                                                                 | 1                                 | SET         |                     |                  |
| 19                                                       | MS tool box                                                                                                                                   | 1                                 | NO          |                     |                  |
| <b>NOTES</b>                                             |                                                                                                                                               |                                   |             |                     |                  |
| 1                                                        | ABOVE IS THE MINIMUM LIST. ANY OTHER TOOL / TACKEL REQUIRED FOR THE SYSTEM SHALL ALSO BE PROVIDED BY THE VENDOR WITHOUT ANY COST IMPLICATION. |                                   |             |                     |                  |
| <b>Particulars of bidder / authorised representative</b> |                                                                                                                                               |                                   |             |                     |                  |
|                                                          |                                                                                                                                               |                                   |             |                     |                  |
| <b>Name</b>                                              | <b>Designation</b>                                                                                                                            | <b>Signature</b>                  | <b>DATE</b> | <b>Company Seal</b> |                  |

*U. S. Vendors*  
6/3/17

|                                                             |                                                                                                                                                     |           |      |                                   |                  |
|-------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------|-----------------------------------|------------------|
| SUGGESTED PRICE FORMAT (Indian Vendors)                     |                                                                                                                                                     |           |      |                                   |                  |
| APPENDIX-B                                                  |                                                                                                                                                     |           |      |                                   |                  |
| PRICE BREAKUP (FOR MAIN PLANT, ESP AND OTHER AUX BUILDINGS) |                                                                                                                                                     |           |      |                                   |                  |
| NAME OF PROJECT:                                            |                                                                                                                                                     |           |      | 2x660 MW ENNORE SEZ POWER PROJECT |                  |
| NAME OF PACKAGE:                                            |                                                                                                                                                     |           |      | VENTILATION SYSTEM                |                  |
| TECHNICAL SPECIFICATION No:                                 |                                                                                                                                                     |           |      | PE-TS-412-554-A001                |                  |
| SL NO                                                       | DESCRIPTION OF EQUIPMENT/ ITEM                                                                                                                      | Qty       | UNIT | SUPPLY                            |                  |
|                                                             |                                                                                                                                                     |           |      | Unit Price (Rs)                   | Total price (Rs) |
| 1                                                           | FAN BELTS                                                                                                                                           | 1         | SET  |                                   |                  |
| 2                                                           | PRESSURE GAUGE                                                                                                                                      | 1         | NO   |                                   |                  |
| 3                                                           | TEMPERATURE GAUGE                                                                                                                                   | 1         | NO   |                                   |                  |
| 4                                                           | FILTER                                                                                                                                              | 1         | SET  |                                   |                  |
| NOTES                                                       |                                                                                                                                                     |           |      |                                   |                  |
| 1                                                           | ABOVE IS THE MINIMUM LIST. ANY OTHER COMMISSIONING SPARE REQUIRED FOR THE SYSTEM SHALL ALSO BE PROVIDED BY THE VENDOR WITHOUT ANY COST IMPLICATION. |           |      |                                   |                  |
| Particulars of bidder / authorised representative           |                                                                                                                                                     |           |      |                                   |                  |
|                                                             |                                                                                                                                                     |           |      |                                   |                  |
| Name                                                        | Designation                                                                                                                                         | Signature | DATE | Company Seal                      |                  |

Yonds  
6/3/12

| PRICE FORMAT (Indian Vendors)                               |                                                                                                                                                                                                                  |                                                                                                           |                                   |                           |                                                                   |                                                                               |                                                                       |                                  |
|-------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|-----------------------------------|---------------------------|-------------------------------------------------------------------|-------------------------------------------------------------------------------|-----------------------------------------------------------------------|----------------------------------|
| ANNEXURE - II                                               |                                                                                                                                                                                                                  |                                                                                                           |                                   |                           |                                                                   |                                                                               |                                                                       |                                  |
| PRICE BREAKUP (FOR MAIN PLANT, ESP AND OTHER AUX BUILDINGS) |                                                                                                                                                                                                                  |                                                                                                           |                                   |                           |                                                                   |                                                                               |                                                                       |                                  |
| LIST OF MANDATORY SPARES                                    |                                                                                                                                                                                                                  |                                                                                                           |                                   |                           |                                                                   |                                                                               |                                                                       |                                  |
| ENQUIRY NUMBER                                              |                                                                                                                                                                                                                  |                                                                                                           | PE/PG/EN1/E-5490/2016             |                           |                                                                   |                                                                               |                                                                       |                                  |
| NAME OF PROJECT:                                            |                                                                                                                                                                                                                  |                                                                                                           | 2x660 MW ENnore SEZ POWER PROJECT |                           |                                                                   |                                                                               |                                                                       |                                  |
| NAME OF PACKAGE:                                            |                                                                                                                                                                                                                  |                                                                                                           | VENTILATION SYSTEM                |                           |                                                                   |                                                                               |                                                                       |                                  |
| TECHNICAL SPECIFICATION No:                                 |                                                                                                                                                                                                                  |                                                                                                           | PE-TS-412-554-A001                |                           |                                                                   |                                                                               |                                                                       |                                  |
| S. No.                                                      | Description                                                                                                                                                                                                      | QTY                                                                                                       | SUPPLY                            |                           |                                                                   |                                                                               |                                                                       |                                  |
|                                                             |                                                                                                                                                                                                                  |                                                                                                           | Unit Price (Rs)                   | Total ex-works price (Rs) | ED including cess @ ...% (for self manufactured items only) (INR) | CST @ ...% Against C-form & E1/E2 or VAT @ ...% Whichever is applicable (INR) | FREIGHT CHARGES INCLUDING SERVICE TAX) @ ...% OF TOTAL EX-WORKS (INR) | TOTAL FOR site price SUPPLY (Rs) |
| <b>A</b>                                                    | <b>MECHANICAL AND GENERAL</b>                                                                                                                                                                                    |                                                                                                           |                                   |                           |                                                                   |                                                                               |                                                                       |                                  |
| 1                                                           | CENTRIFUGAL FANS                                                                                                                                                                                                 |                                                                                                           |                                   |                           |                                                                   |                                                                               |                                                                       |                                  |
| 1.1                                                         | V-BELTS                                                                                                                                                                                                          | 2 SETS OF EACH TYPE                                                                                       |                                   |                           |                                                                   |                                                                               |                                                                       |                                  |
| 1.2                                                         | BLOWER BEARING SETS                                                                                                                                                                                              | 2 SETS OF EACH TYPE                                                                                       |                                   |                           |                                                                   |                                                                               |                                                                       |                                  |
| 1.3                                                         | BLOWER MOTOR BEARINGS                                                                                                                                                                                            | 2 SETS OF EACH TYPE                                                                                       |                                   |                           |                                                                   |                                                                               |                                                                       |                                  |
| 1.4                                                         | SEAL GASKET AND OTHER WEAR OUT PARTS IN SETS                                                                                                                                                                     | 2 SETS OF EACH TYPE                                                                                       |                                   |                           |                                                                   |                                                                               |                                                                       |                                  |
| 1.5                                                         | VIBRATION ISOLATORS                                                                                                                                                                                              | 2 SETS OF EACH TYPE                                                                                       |                                   |                           |                                                                   |                                                                               |                                                                       |                                  |
| 2                                                           | AXIAL FANS                                                                                                                                                                                                       |                                                                                                           |                                   |                           |                                                                   |                                                                               |                                                                       |                                  |
| 2.1                                                         | FAN BEARINGS                                                                                                                                                                                                     | 2 SETS OF EACH TYPE                                                                                       |                                   |                           |                                                                   |                                                                               |                                                                       |                                  |
| 2.2                                                         | FAN MOTOR BEARING                                                                                                                                                                                                | 2 SETS OF EACH TYPE                                                                                       |                                   |                           |                                                                   |                                                                               |                                                                       |                                  |
| 2.3                                                         | DRY FILTERS                                                                                                                                                                                                      | 2 SETS OF EACH TYPE AND SIZE                                                                              |                                   |                           |                                                                   |                                                                               |                                                                       |                                  |
| 3                                                           | AIR WASHER SYSTEM                                                                                                                                                                                                |                                                                                                           |                                   |                           |                                                                   |                                                                               |                                                                       |                                  |
| 3.1                                                         | WATER STRAINERS                                                                                                                                                                                                  | 2 SETS OF EACH SIZE                                                                                       |                                   |                           |                                                                   |                                                                               |                                                                       |                                  |
| 3.2                                                         | SPRAY NOZZLES                                                                                                                                                                                                    | 2 SETS OF EACH SIZE                                                                                       |                                   |                           |                                                                   |                                                                               |                                                                       |                                  |
| 3.3                                                         | WATER REPELLANT TYPE FILTERS                                                                                                                                                                                     | 2 SETS OF EACH SIZE                                                                                       |                                   |                           |                                                                   |                                                                               |                                                                       |                                  |
| 4                                                           | HORIZONTAL CENTRIFUGAL PUMP                                                                                                                                                                                      |                                                                                                           |                                   |                           |                                                                   |                                                                               |                                                                       |                                  |
| 4.1                                                         | IMPELLER FOR EACH OF PUMP SET                                                                                                                                                                                    | 2 SETS OF EACH TYPE                                                                                       |                                   |                           |                                                                   |                                                                               |                                                                       |                                  |
| 4.2                                                         | BEARINGS                                                                                                                                                                                                         | 2 SETS OF EACH TYPE                                                                                       |                                   |                           |                                                                   |                                                                               |                                                                       |                                  |
| 4.3                                                         | SHAFT SLEEVES                                                                                                                                                                                                    | 2 SETS OF EACH TYPE                                                                                       |                                   |                           |                                                                   |                                                                               |                                                                       |                                  |
| 4.4                                                         | BEARINGS MOTOR                                                                                                                                                                                                   | 2 SETS OF EACH TYPE                                                                                       |                                   |                           |                                                                   |                                                                               |                                                                       |                                  |
| <b>B</b>                                                    | <b>ELECTRICAL</b>                                                                                                                                                                                                |                                                                                                           |                                   |                           |                                                                   |                                                                               |                                                                       |                                  |
| 1                                                           | Terminal plates                                                                                                                                                                                                  |                                                                                                           |                                   |                           |                                                                   |                                                                               |                                                                       |                                  |
| a                                                           | For motors upto 30 KW                                                                                                                                                                                            | 10 NOS. EACH FOR SMALL MOTORS UPTO 30 KW                                                                  |                                   |                           |                                                                   |                                                                               |                                                                       |                                  |
| b                                                           | For motors above 30 KW                                                                                                                                                                                           | 4 NOS. EACH FOR MORE THAN 30 KW                                                                           |                                   |                           |                                                                   |                                                                               |                                                                       |                                  |
| 2                                                           | Heaters                                                                                                                                                                                                          | 2 SETS                                                                                                    |                                   |                           |                                                                   |                                                                               |                                                                       |                                  |
| 3                                                           | Greasing arrangements                                                                                                                                                                                            | 4 SETS OF EACH TYPE OF MOTOR.                                                                             |                                   |                           |                                                                   |                                                                               |                                                                       |                                  |
| 4                                                           | Motor of each type and rating                                                                                                                                                                                    | 10% OF THE INSTALLED QUANTITY OR MINIMUM 1 NUMBER WHICHEVER BE HIGHER                                     |                                   |                           |                                                                   |                                                                               |                                                                       |                                  |
| 5                                                           | Bearings (DE and NDE) for each type and rating of motor                                                                                                                                                          | 4 SETS                                                                                                    |                                   |                           |                                                                   |                                                                               |                                                                       |                                  |
| <b>C</b>                                                    | <b>CONTROL AND INSTRUMENTATION</b>                                                                                                                                                                               |                                                                                                           |                                   |                           |                                                                   |                                                                               |                                                                       |                                  |
|                                                             | Each type of lamps, PBs, ILPBs, fuse, MCB, MCCB used in the equipment/system.                                                                                                                                    | 20% OF QTY INSTALLED.                                                                                     |                                   |                           |                                                                   |                                                                               |                                                                       |                                  |
| a)                                                          | Measuring Instruments                                                                                                                                                                                            |                                                                                                           |                                   |                           |                                                                   |                                                                               |                                                                       |                                  |
| 1                                                           | Indicators, Recorders, Electrical Metering and Skid Mounted Instruments                                                                                                                                          | 20% OF INSTALLED OF EACH TYPE.                                                                            |                                   |                           |                                                                   |                                                                               |                                                                       |                                  |
| 1.1                                                         | Indicators, recorders and meters offered from each model for the project. These instruments shall be supplied with three sets of blank scales.                                                                   | 10% OF INSTALLED OF EACH TYPE/MODEL OR A MINIMUM OF ONE NUMBER FOR EACH MODEL AND TYPE, WHICHEVER IS MORE |                                   |                           |                                                                   |                                                                               |                                                                       |                                  |
| 1.2                                                         | For skid mounted instruments                                                                                                                                                                                     | 10% OF INSTALLED OF EACH TYPE/MODEL OR A MINIMUM OF ONE NUMBER FOR EACH MODEL AND TYPE, WHICHEVER IS MORE |                                   |                           |                                                                   |                                                                               |                                                                       |                                  |
| 2                                                           | Temperature Elements and Thermowells                                                                                                                                                                             |                                                                                                           |                                   |                           |                                                                   |                                                                               |                                                                       |                                  |
| 2.1                                                         | Thermocouple/RTD elements                                                                                                                                                                                        | 10% OF INSTALLED OF EACH TYPE/MODEL OR A MINIMUM OF ONE NUMBER FOR EACH MODEL AND TYPE, WHICHEVER IS MORE |                                   |                           |                                                                   |                                                                               |                                                                       |                                  |
| 2.2                                                         | Thermowells                                                                                                                                                                                                      | 10% OF INSTALLED OF EACH TYPE/MODEL OR A MINIMUM OF ONE NUMBER FOR EACH MODEL AND TYPE, WHICHEVER IS MORE |                                   |                           |                                                                   |                                                                               |                                                                       |                                  |
| 3                                                           | Temperature Transmitters and Electronic Transmitters (For Pressure, DP, Temp, Flow, Level), Temperature, Pressure, Flow & Level Switch, safety switches, Gauges, meters, Transducer or any other instrument etc. | 10% OF INSTALLED OF EACH TYPE/MODEL OR A MINIMUM OF ONE NUMBER FOR EACH MODEL AND TYPE, WHICHEVER IS MORE |                                   |                           |                                                                   |                                                                               |                                                                       |                                  |
| b)                                                          | Relay based Control Panels                                                                                                                                                                                       |                                                                                                           |                                   |                           |                                                                   |                                                                               |                                                                       |                                  |
| 1                                                           | LEDs for indicating lights                                                                                                                                                                                       | 10% OF QTY INSTALLED.                                                                                     |                                   |                           |                                                                   |                                                                               |                                                                       |                                  |
| 2                                                           | Control circuit fuses/MCB/MCCB/ Semiconductor Fuses                                                                                                                                                              | 300% OF INSTALLED OF EACH TYPE, CURRENT RATING.                                                           |                                   |                           |                                                                   |                                                                               |                                                                       |                                  |
| 3                                                           | Relays modules & contactors.                                                                                                                                                                                     | 20% SPARE OF QTY INSTALLED OF EACH TYPE & RATING                                                          |                                   |                           |                                                                   |                                                                               |                                                                       |                                  |
| c)                                                          | Alarm Annunciation System                                                                                                                                                                                        |                                                                                                           |                                   |                           |                                                                   |                                                                               |                                                                       |                                  |
| 1                                                           | logic modules, group card modules, power supply modules, Hooters and any other electronic module.                                                                                                                | 20% SPARES OF EACH TYPE INSTALLED                                                                         |                                   |                           |                                                                   |                                                                               |                                                                       |                                  |
| 2                                                           | un-engraved window boxes complete with LED etc.                                                                                                                                                                  | 5% SPARES OF EACH TYPE INSTALLED                                                                          |                                   |                           |                                                                   |                                                                               |                                                                       |                                  |

Upends  
6/3/17

| PRICE FORMAT (Indian Vendors)                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                        |      |  |  |  |  |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|------|--|--|--|--|--|--|
| ANNEXURE - II                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                        |      |  |  |  |  |  |  |
| PRICE BREAKUP (FOR MAIN PLANT, ESP AND OTHER AUX BUILDINGS)                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                        |      |  |  |  |  |  |  |
| 3                                                                                                                                                                                                                                                               | LEDs for annunciation facia windows and LEDs box assemblies offered for the project                                                                                                                                                                                                                                                                                                                                                                                                                                                | 20% OF QTY INSTALLED                                                   |      |  |  |  |  |  |  |
| 4                                                                                                                                                                                                                                                               | Annunciator hooter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ONE (1) NO. OF EACH TYPE                                               |      |  |  |  |  |  |  |
| d)                                                                                                                                                                                                                                                              | Erection hardware                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                        |      |  |  |  |  |  |  |
| 1                                                                                                                                                                                                                                                               | Instrument valves                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 10% OF EACH TYPE & SIZE INSTALLED                                      |      |  |  |  |  |  |  |
| 2                                                                                                                                                                                                                                                               | Condensate pots of each type & Size installed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 10% OF TOTAL NUMBER OF INSTALLED OR FOUR NUMBERS WHICHEVER IS HIGHER . |      |  |  |  |  |  |  |
| 3                                                                                                                                                                                                                                                               | Manifold                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 10% OF EACH TYPE & SIZE INSTALLED                                      |      |  |  |  |  |  |  |
| 4                                                                                                                                                                                                                                                               | Fittings                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 10% OF EACH TYPE & SIZE INSTALLED                                      |      |  |  |  |  |  |  |
| e)                                                                                                                                                                                                                                                              | Mandatory Spares for Control valves, Power Cylinder, Control Dampers, Actuators and Accessories                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                        |      |  |  |  |  |  |  |
| 1                                                                                                                                                                                                                                                               | Following spares shall be furnished for control valves, Power Cylinder, Control Dampers as applicable.                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                        |      |  |  |  |  |  |  |
| 2                                                                                                                                                                                                                                                               | One set of spare control valve stem packing for each control valve.                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                        |      |  |  |  |  |  |  |
| 3                                                                                                                                                                                                                                                               | Two moulded rubber diaphragms for each control valve.                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                        |      |  |  |  |  |  |  |
| 4                                                                                                                                                                                                                                                               | One sets of each of O-rings and rubber gaskets for each control valve.                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                        |      |  |  |  |  |  |  |
| 5                                                                                                                                                                                                                                                               | 100 percent qty. of lubricants for gaskets for each control valve on one year consumption basis.                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                        |      |  |  |  |  |  |  |
| 6                                                                                                                                                                                                                                                               | 2 sets of limit switches and 1 set of valve positioner for each control valve.                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                        |      |  |  |  |  |  |  |
| 7                                                                                                                                                                                                                                                               | 20 percent of position transmitter (4-20mA) for total qty. of control valve.                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                        |      |  |  |  |  |  |  |
| 8                                                                                                                                                                                                                                                               | One (1) set of valve trims (such as plug, stem, seat ring /cage, guide bushing, stem lock pin, packing retaining ring, etc) for each control valve.                                                                                                                                                                                                                                                                                                                                                                                |                                                                        |      |  |  |  |  |  |  |
| 9                                                                                                                                                                                                                                                               | One completes actuator of each type or min 10% for each type and size whichever is more.                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                        |      |  |  |  |  |  |  |
| 10                                                                                                                                                                                                                                                              | 20 percent of Solenoid valves or min 2 no. of each type for total qty. of control valves.                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                        |      |  |  |  |  |  |  |
| 11                                                                                                                                                                                                                                                              | 20% of I to P converters, Pressure regulators.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                        |      |  |  |  |  |  |  |
| f)                                                                                                                                                                                                                                                              | Mandatory spares not covered above                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                        |      |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                 | Bidder to supply 10% or 1 no. (whichever is more) of each type of sensor/instrument, instrumentation/mechanical fittings etc for any other electronic system, feeder control cabinets, hydrastep (EWLI), Vibration Monitoring System, CCTV, C&I Lab Instruments, On line Carbon in Ash analyser system, On line Coal mass flow/speed measurement system, On line secondary air flow measurement system Mass Flow meter, Solid flow meter, 3 D Acoustic type level transmitters, Nucleonic & non nucleonic density transmitter etc. |                                                                        |      |  |  |  |  |  |  |
| Note: Mandatory spares listed above is bare minimum requirement. In case any additional mandatory spares requirement is covered elsewhere in the tender specification as specified above, same shall be deemed to have been covered in bidders scope of supply. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                        |      |  |  |  |  |  |  |
| Particulars of bidder / authorised representative                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                        |      |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                        |      |  |  |  |  |  |  |
| Name                                                                                                                                                                                                                                                            | Designation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Signature                                                              | Date |  |  |  |  |  |  |

*Upendra*  
*6/13/14*

| <b>PRICE FORMAT (For Indian Vendors)</b><br><b>ANNEXURE - III</b><br><b>PRICE BREAKUP (FOR MAIN PLANT, ESP AND OTHER AUX BUILDINGS)</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                   |             |                                                          |             |             |
|-----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-------------|----------------------------------------------------------|-------------|-------------|
| Guaranteed Power Consumption For Ventilation System                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                   |             |                                                          |             |             |
| NAME OF PROJECT:                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2x660 MW ENNORE SEZ POWER PROJECT |             |                                                          |             |             |
| NAME OF PACKAGE:                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | VENTILATION SYSTEM                |             |                                                          |             |             |
| TECHNICAL SPECIFICATION No:                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | PE-TS-412-554-A001                |             |                                                          |             |             |
| S.NO.                                                                                                                                   | DESCRIPTION OF EQUIPMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | NO OF EQUIPMENT                   |             | TOTAL GUARANTEED POWER CONSUMPTION FOR EACH EQUIPMENT AT | DUTY FACTOR | TOTAL KW    |
|                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | WORKING                           | STANDBY     |                                                          |             |             |
|                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 3A                                | 3B          | 4                                                        | 5           | 6=3Ax4x5    |
| <b>1</b>                                                                                                                                | <b>VENTILATION SYSTEM FOR TG BUILDING</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                   |             |                                                          |             |             |
| 1.1                                                                                                                                     | Centrifugal Fan of cap. 83, 500 CMH at 75 mmwc static pr for air Washers.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 24                                | 0           |                                                          | 1           |             |
| 1.2                                                                                                                                     | Pumps for circulation of water in spray chamber of above air washer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 8                                 | 8           |                                                          | 1           |             |
| 1.3                                                                                                                                     | RE Units 50,000 cmh at 15mmwc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 28                                | 0           |                                                          | 1           |             |
| <b>2</b>                                                                                                                                | <b>VENTILATION SYSTEM FOR ESP BUILDING</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                   |             |                                                          |             |             |
| 2.1                                                                                                                                     | Centrifugal Fan of cap. 75,000 CMH at 75 mmwc static pr for UAF.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2                                 | 0           |                                                          | 1           |             |
| 2.2                                                                                                                                     | Pump for above UAF.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2                                 | 2           |                                                          | 1           |             |
|                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                   |             | <b>TOTAL (KW)</b>                                        |             | <b>1050</b> |
| Note:                                                                                                                                   | <p>Estimated power consumption (EPC) figure for the system (for working drives only) has been considered as <b>1050 KW</b>. So long bidder's quoted guaranteed power consumption (GPC) above remains within this EPC, there will be no technical loading of bid on power consumption for evaluation. However, if bidder's quoted GPC exceeds EPC, there shall be technical loading of bid for evaluation @ Rs 3,56,607/- per KW of additional power over EPC.</p> <p>Bidder's guaranteed power consumption at motor input terminals (not shaft power) as furnished in relevant schedule shall be demonstrated by the successful bidder during performance testing at works/ site. In case power consumption is noted higher than EPC / bidder's quoted GPC whichever is higher, during inspection/ PG test, penalty @ Rs 3,56,607/- per KW shall be levied on vendor.</p> |                                   |             |                                                          |             |             |
| <b>Particulars of bidder / authorised representative</b>                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                   |             |                                                          |             |             |
|                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                   |             |                                                          |             |             |
| <b>Name</b>                                                                                                                             | <b>Designation</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>Signature</b>                  | <b>DATE</b> | <b>Company Seal</b>                                      |             |             |

*Urends*  
6/3/17