

PRICE FORMAT OF BUTTER FLY VALVES (STEAM SERVICE) INCLUDING COMMISSIONING SPARES FOR 1x525MW MEL TUTICORIN BTG  
ENQUIRY NO-PE/PG/MEIL/E-5526/2016 Dated: 20.03.2017

| 1                                                                     | 2                                                     | 3             | 4            | 5         | 6                                          | 7             | 8                                                                 | 9                    | 10                               | 11                          | 12                                                                                                                                                               | 13       | 14                                           | 15                                            | 16                                              | 17                                                                                              | 18                                                                            | 19                                                                                          | 20                                  | 21                                         | 22                                          | 23                             | 24 |                                               |  |
|-----------------------------------------------------------------------|-------------------------------------------------------|---------------|--------------|-----------|--------------------------------------------|---------------|-------------------------------------------------------------------|----------------------|----------------------------------|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------------------------------------------|-----------------------------------------------|-------------------------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-------------------------------------|--------------------------------------------|---------------------------------------------|--------------------------------|----|-----------------------------------------------|--|
| SL NO.                                                                | TAG NOS.                                              | TYPE OF VALVE | SIZE mm (NB) | OPERATION | DESIGN                                     |               | RATING, DESIGN & TESTING CODE                                     | BODY & DISC MATERIAL | END CONN                         | SPECIAL FEATURES            | MATCHING PIPE                                                                                                                                                    |          | MAIN VALVES QTY WITHOUT COMMISSIONING SPARES | FOR INDIAN BIDDERS                            |                                                 |                                                                                                 |                                                                               |                                                                                             |                                     | FOR FOREIGN BIDDERS                        |                                             |                                |    | Total C & F cost<br>(Currency)<br>(24=22+23)) |  |
|                                                                       |                                                       |               |              |           | PRESSURE<br>Kg/Cm2(g)<br>and 2<br>kg/qa cm | TEMP ( DEG C) |                                                                   |                      |                                  |                             | OD (MM)                                                                                                                                                          | THIK(MM) |                                              | Unit Ex-works price<br>(duly packed)<br>(Rs.) | Total Ex-works price<br>( duly packed)<br>(Rs.) | Excise Duty<br>including<br>Cess<br>@.....% for<br>self<br>manufacture<br>d items only<br>(Rs.) | Central<br>Sales Tax @<br>.....%<br>against<br>form C /<br>VAT@.....<br>(Rs.) | Freight<br>charges<br>including<br>service<br>tax @.....%<br>of Ex-works<br>Price.<br>(Rs.) | TOTAL<br>F.O.R. SITE<br>PRICE (Rs.) | Unit FOB<br>(Duly<br>packed)<br>(Currency) | TOTAL FOB<br>(Duly<br>packed)<br>(Currency) | Ocean<br>Freight<br>(Currency) |    |                                               |  |
| 1                                                                     | EXV-27,<br>EXV-28 (1<br>EACH)                         | B/FV          | 1600         | MO        | Full vacuum<br>and 2<br>kg/qa cm           | 100           | BFP DRIVE<br>TURBINE<br>(MINIMUM)<br>OF AWWA<br>C504-2010<br>LINE | CL 75B               | CCS<br>(ASTM<br>A216 GR.<br>WCB) | BW AS<br>PER ASME<br>B16.25 | SG, MO, OT = 50 ~ 70<br>SEC. SHAFT AXIS<br>ORIENTATION<br>HORIZONTAL/VERTICAL<br>SUITABLE FOR BOTH<br>DIRECTIONS: ELECTRIC<br>ACTUATOR WITH<br>INTEGRAL STARTER. | 1626     | 12                                           | 2                                             |                                                 |                                                                                                 |                                                                               |                                                                                             |                                     |                                            |                                             |                                |    |                                               |  |
| 2                                                                     | TOTAL PRICE OF COMMISSIONING SPARES AS PER ANNEXURE-A |               |              |           |                                            |               |                                                                   |                      |                                  |                             |                                                                                                                                                                  |          |                                              |                                               |                                                 |                                                                                                 |                                                                               |                                                                                             |                                     |                                            |                                             |                                |    |                                               |  |
| TOTAL PRICE OF BUTTER FLY VALVES INCLUDING COMMISSIONING SPARES (1+2) |                                                       |               |              |           |                                            |               |                                                                   |                      |                                  |                             |                                                                                                                                                                  |          |                                              |                                               |                                                 |                                                                                                 |                                                                               |                                                                                             |                                     |                                            |                                             |                                |    |                                               |  |

ABBREVIATIONS:  
BW- BUTT WELDED, CCS- CAST CARBON STEEL, SG - SEALED GLAND, MO - MOTORISED ELECTRIC ACTUATOR, OT - OPENING/CLOSING TIME OF VALVE WITH ELECTRIC ACTUATOR OPERATION IBR - INDIAN BOILER REGULATION  
1. Valve POD, Gear box POD & Actuator POD test, if already carried out by bidder for similar model/ type/ size/ rating for any BHEL/TPC/REPUTED CUSTOMER project within the last 5 years from the date of bid opening of this project, i.e. 24/02/2016, shall be considered applicable for this project, if found satisfactory by BHEL/CUSTOMER.  
2. Valve POD, Gear box POD & Actuator POD test, if required, as per technical specification & AWWA C504, then the charges for the same shall deemed to be included in the unit quoted prices of main valves. Bidder shall not indicate these charges as a separate head in the price bids.  
3. Main valve prices shall BE EXCLUSIVE of cost of Commissioning Spares prices.  
4. Bidder is required to quote unit price of each item under commissioning spares separately & individually i.e. prices of all commissioning spares shall not be clubbed/ included in the unit price of Main valves.  
5. Commissioning spares --> One set each of Bottom/ Cover Gasket with O' Rings & Seals, Gland Packing with O' ring & seals in Gland packing area, actuator 'o' rings and seal as applicable.

Noted up to  
22/03/17

Signature of the bidder with name, designation, date and company's seal

PRICE FORMAT OF COMMISSIONING SPARES OF BUTTERFLY VALVES (STEAM SERVICE) FOR 1x325MM NEIL TUTICORIN BTG  
ENQUIRY NO.-PEPGMEIUE-35262016 Dated: 20.03.2017

| 1                                   | 2       | 3             | 4            | 5         | 6                        | 7            | 8       | 9                             | 10                   | 11       | 12               | 13            | 14       | 15                            | 16                                             | 17                 | 18                                                           | 19                                                                                  | 20                                           | 21                                               | 22                                                | 23                                                                                       | 24                                                                      | 25                                                                         | 26                                  | 27                                          | 28                                          | 29                                                               | 30                                        | 31                                      | 32                                       | 33                          |  |                                              |  |  |
|-------------------------------------|---------|---------------|--------------|-----------|--------------------------|--------------|---------|-------------------------------|----------------------|----------|------------------|---------------|----------|-------------------------------|------------------------------------------------|--------------------|--------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------|--------------------------------------------------|---------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|----------------------------------------------------------------------------|-------------------------------------|---------------------------------------------|---------------------------------------------|------------------------------------------------------------------|-------------------------------------------|-----------------------------------------|------------------------------------------|-----------------------------|--|----------------------------------------------|--|--|
| SL NO                               | TAG NOS | TYPE OF VALVE | SIZE mm (IN) | OPERATION | PRESSURE<br>KG/CM2 (PSI) | TEMP (DEG C) | SERVICE | RATING, DESIGN & TESTING CODE | BODY & DISC MATERIAL | END CONN | SPECIAL FEATURES | MATCHING PIPE |          | COMMISSIONING SPARES          |                                                | FOR INDIAN BIDDERS |                                                              |                                                                                     |                                              |                                                  |                                                   |                                                                                          |                                                                         |                                                                            |                                     |                                             |                                             | FOR FOREIGN BIDDERS                                              |                                           |                                         |                                          |                             |  | Total C & F cost<br>(Currency)<br>(33+31+32) |  |  |
|                                     |         |               |              |           |                          |              |         |                               |                      |          |                  | OD (MM)       | THK (MM) | GLAND PACKING (VALVES) (SETS) | O'RING AND SEALS FOR ELECTRIC ACTUATORS (SETS) | DISC SEAL (SETS)   | Unit ex-works<br>price of GLAND<br>PACKING<br>(VALVES) (Rs.) | Unit ex-works<br>price of O'RING<br>AND SEALS<br>FOR ELECTRIC<br>ACTUATORS<br>(Rs.) | Unit ex-works<br>price of DISC<br>SEAL (Rs.) | Unit ex-works<br>price (duty<br>packed)<br>(Rs.) | Total Ex-works<br>price<br>(duty packed)<br>(Rs.) | Excise Duty<br>Including Cess<br>@.....% for<br>self<br>manufactured<br>items only (Rs.) | Central Sales<br>Tax @.....%<br>against form C<br>/ VAT @.....<br>(Rs.) | Freight charges<br>including<br>tax @.....% of<br>Ex-works Price.<br>(Rs.) | TOTAL F.O.R.<br>SITE PRICE<br>(Rs.) | Unit FOB of<br>GLAND<br>PACKING<br>(VALVES) | Unit FOB of<br>BOTTOM<br>GASKET<br>(VALVES) | Unit FOB of O'<br>RING AND<br>SEALS FOR<br>ELECTRIC<br>ACTUATORS | Unit FOB of<br>DISC SEAL<br>(Rs.27*28*29) | Unit FOB<br>(Duty packed)<br>(Currency) | TOTAL FOB<br>(Duty packed)<br>(Currency) | Ocean Freight<br>(Currency) |  |                                              |  |  |
|                                     |         |               |              |           |                          |              |         |                               |                      |          |                  |               |          |                               |                                                |                    |                                                              |                                                                                     |                                              |                                                  |                                                   |                                                                                          |                                                                         |                                                                            |                                     |                                             |                                             |                                                                  |                                           |                                         |                                          |                             |  |                                              |  |  |
|                                     |         |               |              |           |                          |              |         |                               |                      |          |                  |               |          |                               |                                                |                    |                                                              |                                                                                     |                                              |                                                  |                                                   |                                                                                          |                                                                         |                                                                            |                                     |                                             |                                             |                                                                  |                                           |                                         |                                          |                             |  |                                              |  |  |
| TOTAL PRICE OF COMMISSIONING SPARES |         |               |              |           |                          |              |         |                               |                      |          |                  |               |          |                               |                                                |                    | 2                                                            | 2                                                                                   | 2                                            | 2                                                |                                                   |                                                                                          |                                                                         |                                                                            |                                     |                                             |                                             |                                                                  |                                           |                                         |                                          |                             |  |                                              |  |  |

Not up to  
20/03/17

Signature of the bidder with name, designation, date and company's seal