

| Offshore Suggested Vendor List of Engineering and Projects Excellence Centre, ONGC as on 26.11.2025 |   |          |
|---|---|----------|
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| Important Notes   |   |  |
|---|---|--|
| 1   | Vendors with no remark in this list are confirmed vendors.  |  |
| 2   | The ' <b>On Hold</b> ' status for vendors has been categorised into following groups:   |  |
|   | <b>B1</b>   | On Hold due to Non-submission of Name change / Other documents by the vendor to ONGC             |
|   | <b>B2</b>   | On Hold due to No response from the vendor   |
|   | <b>B3</b>   | On Hold due to Poor / Negative Performance Feedback received against the vendor from ONGC Asset. |
|   | <b>Banned Firms</b>   | Banned Firm under Corporate MM Portal  |
| The reasons for which a vendor has been put 'On Hold' have been marked against the vendor as <b>B1, B2 &amp; B3</b> . |   |  |
| 3   | Vendors, who are traders, have been identified  |  |
| 4   | The contractor can continue to get quotation from vendors who are 'On Hold' under group ' <b>B1</b> ', provided that the reasons for which a vendor has been put 'on hold' are resolved by the vendor at the time of submission of Purchase Specification (PS)  |  |
|   | Vendors in Group ' <b>B2</b> ' will be delisted automatically in case No-response is received from Vendor. However, the LSTK contractors are free to contact these vendors, if they respond to them.  |  |
|   | The 'On Hold' status of a vendor under group ' <b>B3</b> ' in this Suggested Vendor List means that the contractor shall not place order(s) on the vendor for the product for which the vendor has been put 'On Hold' by ONGC.  |  |
|   | The ' <b>Banned Firms</b> ' status of a vendor in this Suggested Vendor List means that the contractor shall not place order(s) on the vendor for the product for which the vendor has been put 'Banned Firms' by ONGC.   |  |
| 5   | <b>a)</b> Manufacturing locations of MNC vendors other than the enlisted location in the Suggested Vendor List, can also be accepted for supply of product after obtaining an Undertaking in the prescribed proforma from Principal/ enlisted vendor. Such manufacturing locations shall possess all accreditations required for the product and comply with the Functional specification. The OEM vendor who is enlisted already in ONGCs SVL and wants his other Manufacturing Locations / API certified fabrication yards etc., also to be accepted by ONGC, shall intimate all such locations where the material will be sourced to ONGC. In this case, the SVL shall be updated to incorporate all such locations wherefrom the items are being sourced. Any changes from these locations shall be intimated by the already enlisted OEM vendor. |  |
|   | <b>b)</b> For any vendor, where the Purchase Orders are to be placed on agencies authorized by the enlisted vendor, the enlisted vendor shall furnish Authorization letter to the agency for a particular product with an undertaking for agreeing to the following conditions:-<br>1) Purchase specification (For PS items) shall be submitted & signed by enlisted vendor only.<br>2) Warrantee/Guarantee shall be provided by the enlisted vendor<br>3) Enlisted Vendor shall ensure maintenance support for the product   |  |

|   |   |
|---|---|
|   | <p><b>c)</b> Manufacturing locations established in India by an Indian Company can also be considered for supply/enlistment provided such Indian Company forms a Joint venture registered in India with:</p> <ol style="list-style-type: none"> <li>1. an enlisted foreign vendor in the suggested vendor list.</li> <li>2. any foreign vendor who is not enlisted but meets the qualification criteria for vendor enlistment.</li> </ol> <p>Above arrangement shall be considered subject to meeting the following requirements:</p> <ol style="list-style-type: none"> <li>(i) Undertaking in the prescribed proforma from both the partners shall be submitted.</li> <li>(ii) The manufacturing location established in India shall possess all the accreditations required for the product and also comply with the functional specifications.</li> <li>(iii) Factory inspection may be carried out to ascertain the capability of the Joint Venture Company.</li> <li>(iv) In the event of collapse of such joint venture arrangement, supply from the JV company shall not be accepted.</li> </ol>  |
|   | <p><b>d)</b> Manufacturing locations established in India by an Indian Company can also be considered for supply/ enlistment for particular product with an undertaking in the prescribed Proforma from the enlisted foreign vendor, provided such Indian company has technical License agreement with an enlisted foreign vendor in the suggested vendor list.</p> <p>Above arrangement shall be considered subject to meeting the following requirements:-</p> <ol style="list-style-type: none"> <li>I. The Technical License agreement shall be valid for minimum 3 years on the date of submission of PQD. After expiry of Technical License agreement , renewed agreement shall be required to be submitted.</li> <li>II. In case of cancellation/non renewal of Technical License agreement, the name of the vendor shall be delisted.</li> <li>III. Undertaking in the prescribed proforma from enlisted foreign Vendor.</li> <li>IV. Undertaking in the prescribed proforma from Indian company.</li> <li>V. The manufacturing location established in India shall possess all the accreditations required for the product and also comply with the functional specifications.</li> <li>VI. Factory Inspection may be carried out to ascertain the capability of the Company.</li> </ol> |
| 6 | <p>For enlistment of a Packager as vendor following conditions must be satisfied:</p> <ol style="list-style-type: none"> <li>a) Packager is the Process Licensor OR the OEM of the main equipment(Main equipment is listed in the respective Functional specification/ Design Criteria.</li> <li>b) If the packager is not Process Licensor or OEM of main equipment, the packager shall submit the authorization letter from the ONGC enlisted Vendor of main equipment for carrying out packaging activity.</li> <li>c) The Packager shall select the major items from the ONGC Suggested Vendor List as mentioned in the respective Functional Specification/Design Criteria.</li> <li>d) Any registered Packager who is the Process Licensor OR the OEM of the main equipment wants to relinquish his Over-all single-point responsibility of the Packaged Item and transfer the same to Other Vendor(s) of the Packaged Items, he may do so provided all such major sub-vendors of such packaged Items mutually agree to Provide the similar Services to ONGC under the leadership of the new sub-vendor who accepts to take single Point responsibility.</li> </ol>   |
| 7 | <p>Vendor should agree / guarantee supply of spares for the entire life cycle of the item / equipment (i.e. 7 years in case of electronic equipment/items and 10 years in case of mechanical equipment/items)</p>   |
| 8 | <p>Vendor should agree to comply with ONGC Terms &amp; Conditions for Supply of Spares</p>  |
| 9 | <p># indicates change over previous Suggested Vendor List</p>   |

| <b>Piping</b>  |   |                                  |                    |
|----------------|---|----------------------------------|--------------------|
| <b>Product</b> | <b>1</b>                                | <b>Pipe-(Duplex SS)</b>          |                    |
| <b>S. No.</b>  | <b>Vendor</b>                           | <b>Country</b>                   | <b>Remark/Note</b> |
| 1              | Sumitomo Corporation                    | Japan                            | Trader             |
| 2              | JFE Steel Corporation                   | Japan                            |                    |
| 3              | NSC                                     | Japan                            | On Hold-B1         |
| 4              | Sandvik                                 | Sweden                           |                    |
| 5              | Mannesmann-werke AG'                    | Germany                          | On Hold-B1         |
| 6              | NKK                                     | Japan                            | On Hold-B1         |
| 7              | Coprosider Srl                          | Italy                            |                    |
| 8              | Schultz Export GMBH                     | Germany                          |                    |
| 9              | T.T.I.Tubacex Inoxidables SA            | Spain                            |                    |
| 10             | Inoxtech SPA                            | Italy                            |                    |
| 11             | Gieminox (Welded Pipes)                 | Italy                            |                    |
| 12             | H. Butting GmbH & Co. KG (Welded Pipes) | Germany                          |                    |
| 13             | Rivit SpA (Welded Pipes)                | Italy                            |                    |
| 14             | Adinox Overseas                         | India                            |                    |
| 15             | Maxim Tubes Company Pvt. Ltd            | India                            | # NEW VENDOR       |
| <b>Product</b> | <b>2</b>                                | <b>Fittings -Duplex SS (DSS)</b> |                    |
| <b>S. No.</b>  | <b>Vendor</b>                           | <b>Country</b>                   | <b>Remark/Note</b> |
| 1              | Sumitomo Corporation                    | Japan                            | Trader             |
| 2              | Sandvik                                 | Sweden                           |                    |
| 3              | Shimoda Iron Works Co.Ltd               | Japan                            |                    |
| 4              | Coprosider Srl                          | Italy                            |                    |
| 5              | Mannesmann--werke AG                    | Germany                          | On Hold-B1         |
| 6              | NKK                                     | Japan                            | On Hold-B1         |
| 7              | Schulz Export GMBH                      | Germany                          |                    |
| 8              | ALLIED INTERNATIONAL S.r.l              | Italy                            |                    |

|                |  |                                    |                    |
|----------------|--|------------------------------------|--------------------|
| 9              | M.E.G.A S.p.a (Forged Fittings ASTM A182 Grade F60/F51 with UNS 31803 / UNS 32205) | Italy                              |                    |
| 10             | Fittinox SRL   | Italy                              |                    |
| 11             | Raccortubi SPA (Butt Welded)   | Italy                              |                    |
| 12             | Promat BD Middle East (Forged)   | UAE                                |                    |
| 13             | Viar S.P.A.  | Italy                              |                    |
| 14             | Sawan Engineers Pvt. Ltd.  | India                              |                    |
| 15             | TK Corporation   | South Korea                        |                    |
| 16             | Anggerik Laksana India Private Limited   | India                              |                    |
| <b>Product</b> | <b>3</b>   | <b>Flanges-Duplex SS (DSS)</b>     |                    |
| <b>S. No.</b>  | <b>Vendor</b>  | <b>Country</b>                     | <b>Remark/Note</b> |
| 1              | Sumitomo Corporation   | Japan                              | Trader             |
| 2              | Sandvik  | Sweden                             |                    |
| 3              | Coprisider Srl   | Italy                              | On Hold-B1         |
| 4              | Mannesmann-werke AG  | Germany                            | On Hold-B1         |
| 5              | Officine Ambrogio Melesi & C Srl   | Italy                              |                    |
| 6              | MGI  | France                             |                    |
| 7              | Officine Nicola Galperti Figlio S.p.A  | Italy                              |                    |
| 8              | Officine Satafedede SRL  | Italy                              |                    |
| 9              | Promat BD Middle East  | UAE                                |                    |
| 10             | Viar S.P.A.  | Italy                              |                    |
| 11             | Sawan Engineers Pvt. Ltd.  | India                              |                    |
| 12             | Felix Technology Co. Ltd.  | South Korea                        |                    |
| 13             | Ulma Forja S.Coop  | Spain                              |                    |
| 14             | Anggerik Laksana India Private Limited   | India                              |                    |
| <b>Product</b> | <b>4</b>   | <b>Ball Valves-Duplex SS (DSS)</b> |                    |
| <b>S. No.</b>  | <b>Vendor</b>  | <b>Country</b>                     | <b>Remark/Note</b> |
| 1              | KTM  | Japan                              | On Hold-B1         |
| 2              | KITZ   | Japan                              |                    |
| 3              | T.K. Valves Ltd, Abudhabi  | UAE                                | On Hold-B1         |

|                |   |  |                    |
|----------------|---|--|--------------------|
| 4              | Petrol Valves S.r.l                                       | Italy  |                    |
| 5              | Dresser Spa   | Italy  | On Hold-B1         |
| 6              | Flowserve Flow Control GmbH,                              | Germany  |                    |
| 7              | Argus   | Germany  | On Hold-B1         |
| 8              | Grove Italia Spa  | Italy  | On Hold-B1         |
| 9              | O.M.S. SALERI   | Italy  |                    |
| 10             | L&T Valves Ltd  | India  |                    |
| 11             | Emerson Process Management (India) Private Limited, India | India  |                    |
| 12             | LCM Italia SPA  | Italy  |                    |
| 13             | ZA.VE.RO. S.r.l   | Italy  |                    |
| 14             | Emerson Process Management Virgo Valves, Srl              | Italy  |                    |
| 15             | M/s VALVINOX s.r.l. (I) PVT. LTD                          | India  |                    |
| 16             | Hawa Valves (India) Pvt Ltd                               | India  |                    |
| 17             | BAC Valves S.A.   | Spain  |                    |
| <b>Product</b> | <b>5</b>  | <b>Other Valves (Gate Globe, Check, Needle: Duplex SS)</b> |                    |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>   | <b>Remark/Note</b> |
| 1              | KITZ  | Japan  |                    |
| 2              | KTM   | Japan  | On Hold-B1         |
| 3              | Petrol Valves S.r.l                                       | Italy  |                    |
| 4              | TK Valve Ltd, Abu Dhabi                                   | UAE  | On Hold-B1         |
| 5              | Truflo Rona S.A.  | Belgium  |                    |
| 6              | LVF Spa ( upto 2")  | Italy  |                    |
| 7              | ALCO Italia (Gate Valve) (150 - 2500 Lbs / 0.25 - 2 ")    | Italy  | On Hold-B1         |
| 8              | ALCO Italia (Globe Valve) (800 - 2500 Lbs, 0.25 - 2 ")    | Italy  | On Hold-B1         |
| 9              | L&T Valves Ltd  | India  |                    |
| 10             | Douglas Chero Spa (2" and below)                          | Italy  |                    |
| 11             | Valvinox S.R.L., Milan                                    | Italy  |                    |
| 12             | Firsa S.p.a   | Italy  |                    |



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|----------------|--|------------------------------------|--------------------|
| 13             | M/s VALVINOX s.r.l. (I) PVT. LTD (For Check Valves only)   | India                              |                    |
| <b>Product</b> | <b>6</b>   | <b>Shutdown Valves (Duplex SS)</b> |                    |
| <b>S. No.</b>  | <b>Vendor</b>  | <b>Country</b>                     | <b>Remark/Note</b> |
| 1              | KTM  | Japan                              | On Hold-B1         |
| 2              | KITZ   | Japan                              |                    |
| 3              | Flowserve Flow Control GmbH  | Germany                            |                    |
| 4              | TK Valves Ltd, Abu Dhabi   | UAE                                | On Hold-B1         |
| 5              | Dresser Spa  | Italy                              | On Hold-B1         |
| 6              | Petrol valves S.r.l  | Italy                              |                    |
| 7              | Argus  | Germany                            | On Hold-B1         |
| 8              | Grove Italia Spa   | Italy                              | On Hold-B1         |
| 9              | Cameron Italia S.R.L (Upto 60" / Up to 300 Lbs)  | Italy                              | On Hold-B1         |
| 10             | Cooper Cameron, Singapore (Up to 24" / Upto 1500 Lbs)  | Singapore                          | On Hold-B1         |
| 11             | EL-O-MATIC India (P) Ltd., (Up to 8" / Upto 300 Lbs)   | India                              |                    |
| 12             | Flowserve PTE Ltd. (Up to 12" / Upto 300 Lbs)  | India                              | On Hold-B1         |
| 13             | HINDLE Cockburns Ltd. (Upto 16" / Upto 300 Lbs & Upto 12" / 600-2500 Pounds)                         | India                              | On Hold-B1         |
| 14             | Metso Automation PTE Ltd. (Upto 30" / Upto 1500 Lbs)   | India                              | On Hold-B1         |
| 15             | Perrin GmbH, Germany (8" / Upto 600 Lbs & 16" / Upto 300 Lbs)  | Germany                            |                    |
| 16             | Pibiviesse SPA (Upto 16" / 1500 Lbs)   | Italy                              | On Hold-B1         |
| 17             | Weir Valves & Controls UK Ltd. (Upto 42" / Upto 1500 Lbs)  | UK                                 |                    |
| 18             | Pentair Valves and control India Pvt. Limited (Upto 16" / Upto 300 Lbs & Upto 12" / 600 to 2500 Lbs) | India                              |                    |
| 19             | Emerson Process Management (India) Private Limited, India  | India                              |                    |
| 20             | L&T Valves Ltd   | India                              |                    |
| 21             | Emerson Process Management Virgo Valves, Srl   | Italy                              |                    |
| 22             | MIR Valve Sdn. Bhd   | Malaysia                           |                    |

| Product | 7  | Pipe (C.S NACE)      |             |
|---------|--|----------------------|-------------|
| S. No.  | Vendor   | Country              | Remark/Note |
| 1       | Sumitomo Corporation   | Japan                | Trader      |
| 2       | NKK  | Japan                | On Hold-B1  |
| 3       | Nippon Steel Corporation   | Japan                | On Hold-B1  |
| 4       | Mannesmann-werke AG  | Germany              | On Hold-B1  |
| 5       | Mitsubishi   | Japan                | Trader      |
| 6       | Tenaris Dalmine  | Italy                |             |
| 7       | Raccordi Forgiati  | Italy                |             |
| 8       | JFE Steel Corporation  | Japan                |             |
| 9       | OMR Officine Meccaniche  | Italy                |             |
| 10      | Schulz Export GMBH   | Germany              |             |
| 11      | Vallourec & Mannesmann   | Germany/France       | On Hold-B1  |
| 12      | Maharashtra Seamless Ltd.  | India                |             |
| Product | 8  | Fittings (C.S. NACE) |             |
| S. No.  | Vendor   | Country              | Remark/Note |
| 1       | Sumitomo Corporation   | Japan                | Trader      |
| 2       | Mega Spa   | Italy                |             |
| 3       | Gam Recordie   | Italy                |             |
| 4       | Raccordi Forgiati  | Italy                |             |
| 5       | Fittinox Srl   | Italy                |             |
| 6       | OMR Officine Meccaniche  | Italy                |             |
| 7       | Schulz Export GMBH   | Germany              |             |
| 8       | Coprosider Srl   | Italy                |             |
| 9       | Igwara Industrial Service and Trading Pte Ltd.                           | Singapore            | Trader      |
| 10      | Tecnoforge   | Italy                |             |
| 11      | ALLIED INTERNATIONAL S.r.l   | Italy                |             |
| 12      | ERNE [source of raw material Tenaries (Dalmine) Italy] Seamless fittings | Austria              |             |
| 13      | Tube Products Incorporate  | India                |             |
| 14      | Sawan Engineers Pvt. Ltd.  | India                |             |



|                |  |                              |                    |
|----------------|--|------------------------------|--------------------|
| 15             | T K Corporation  | Korea                        |                    |
| 16             | Sungkwang Bend Co., Ltd.   | Korea                        |                    |
| 17             | Promat BD Middle East (Forged)   | UAE                          |                    |
| 18             | Anggerik Laksana India Private Limited                                       | India                        |                    |
| <b>Product</b> | <b>9</b>   | <b>Flanges (CS NACE)</b>     |                    |
| <b>S. No.</b>  | <b>Vendor</b>  | <b>Country</b>               | <b>Remark/Note</b> |
| 1              | Sumitomo Corporation   | Japan                        | Trader             |
| 2              | Coprosider Srl   | Italy                        |                    |
| 3              | Officine Nicola Galperti Figlio S.p.A  | Italy                        |                    |
| 4              | Trouvay & Cauvin   | France                       | Trader             |
| 5              | Officine Ambrogio Melesi & C Srl   | Italy                        |                    |
| 6              | MGI  | France                       |                    |
| 7              | Schulz Export GMBH   | Germany                      |                    |
| 8              | Special Flanges Srl  | Italy                        |                    |
| 9              | Tube Products Incorporate  | India                        |                    |
| 10             | CHW Forge Private Ltd.   | India                        |                    |
| 11             | Officine Santafede SRL.  | Italy                        |                    |
| 12             | Sawan Engineers Pvt.Ltd.   | India                        |                    |
| 13             | Promat BD Middle East  | UAE                          |                    |
| 14             | Felix Technology Co. Ltd.  | South Korea                  |                    |
| 15             | Dae-Heung Ind. Co., Ltd  | Korea                        |                    |
| 16             | Anggerik Laksana India Private Limited (Size upto 16" and Rating upto 1500#) | India                        |                    |
| 17             | Good Luck Engineering Co   | India                        |                    |
| <b>Product</b> | <b>10</b>  | <b>Ball Valves (CS NACE)</b> |                    |
| <b>S. No.</b>  | <b>Vendor</b>  | <b>Country</b>               | <b>Remark/Note</b> |
| 1              | Cooper Cameron Valves  | USA                          | On Hold-B1         |
| 2              | Dresser Spa  | Italy                        | On Hold-B1         |
| 3              | KTM  | Japan                        | On Hold-B1         |
| 4              | Flowserve Flow Control GmbH  | Germany                      |                    |
| 5              | KITZ   | Japan.                       |                    |



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|    |   |         |            |
|----|---|---------|------------|
| 6  | Serck Audco Valves International                          | U.K.    | On Hold-B1 |
| 7  | Flow Control Technology                                   | France  | On Hold-B1 |
| 8  | Crane   | USA     | On Hold-B1 |
| 9  | Orbit Valve   | U.K.    | On Hold-B1 |
| 10 | T.K. Valve, Abu Dhabi                                     | UAE     | On Hold-B1 |
| 11 | OMB Spa (Upto 1.5")                                       | Spain   |            |
| 12 | Petrol Valves Srl   | Italy   |            |
| 13 | LCM, Italia. SRL  | Italy   |            |
| 14 | L&T Valves Ltd  | India   |            |
| 15 | ZA.VE.RO. S.r.l   | Italy   |            |
| 16 | Multi Valve Technology                                    | UK      |            |
| 17 | Raimondi  | Italy   | On Hold-B1 |
| 18 | Yoneda Kogyo Co   | Japan   | On Hold-B1 |
| 19 | Truflo Rona S.A   | Belgium |            |
| 20 | Emerson Process Management (India) Private Limited, India | India   |            |
| 21 | Argus   | Germany | On Hold-B1 |
| 22 | Cameron Iron Works  | USA     | On Hold-B1 |
| 23 | O.M.S. SALERI   | Italy   |            |
| 24 | Valbart SRL   | Italy   |            |
| 25 | JCF Fluid Flow FZE  | UAE     | On Hold-B1 |
| 26 | Valvinox s.r.l- Milan                                     | Italy   |            |
| 27 | Emerson Process Management Virgo Valves, Srl              | Italy   |            |
| 28 | Oswal Industries Limited                                  | India   |            |
| 29 | NSSL Italia S.R.L   | Italy   |            |
| 30 | VALVINOX s.r.l. (I) PVT. LTD                              | India   |            |
| 31 | Anand Teknow Aids Engineering India Ltd.                  | India   |            |
| 32 | PHBB Valves Private Limited                               | India   |            |
| 33 | J C Valvulas India Pvt. Ltd.                              | India   |            |
| 34 | DeVal Flow Controls Pvt. Ltd.                             | India   |            |
| 35 | Novel Valves India Pvt. Ltd.                              | India   |            |

| Product | 11   | Gate, Globe, Check, Needle Valves (CS NACE) |             |
|---------|--|---|-------------|
| S. No.  | Vendor   | Country                                     | Remark/Note |
| 1       | Cooper Cameron Valves  | USA   | On Hold-B1  |
| 2       | Dresser Spa  | Italy                                       | On Hold-B1  |
| 3       | KTM  | Japan                                       | On Hold-B1  |
| 4       | KITZ   | Japan                                       |             |
| 5       | Serck, Audco Valves International                                | U.K   | On Hold-B1  |
| 6       | Flow Control Technology  | France                                      | On Hold-B1  |
| 7       | Crane  | USA   | On Hold-B1  |
| 8       | Orbit Valve  | UK  | On Hold-B1  |
| 9       | T.K.Valves, Abu Dhabi  | UAE   | On Hold-B1  |
| 10      | Petrol Valves Srl  | Italy                                       |             |
| 11      | LVF Spa  | Italy                                       |             |
| 12      | BFE Spa  | Italy                                       |             |
| 13      | SACCAP   | France                                      |             |
| 14      | Flow serve Flow Control, GmbH                                    | Germany                                     | On Hold-B1  |
| 15      | L&T Valves Ltd   | India                                       |             |
| 16      | Goodwin International Limited (wafer Check valves Only)          | England                                     |             |
| 17      | Argus  | Germany                                     | On Hold-B1  |
| 18      | Cameron Iron Works   | USA   | On Hold-B1  |
| 19      | Douglas Chero S.p.A (for 2" and below)                           | Italy                                       |             |
| 20      | JCF Fluid Flow FZE   | UAE   | On Hold-B1  |
| 21      | Firsa Spa (For Gate, Globe & Check Valves)                       | Italy                                       |             |
| 22      | Niton Valves Industries (P) Ltd                                  | India                                       |             |
| 23      | Valvinox s.r.l- Milan  | Italy                                       |             |
| 24      | J C Valvulas India Pvt. Ltd.<br>(For Gate, Globe & Check Valves) | India                                       |             |
| 25      | Novel Valves India Pvt. Ltd.<br>(For Gate, Globe & Check Valves) | India                                       |             |

| Product | 12  | Shutdown Valves- CS NACE |              |
|---------|---|--------------------------|--------------|
| S. No.  | Vendor  | Country                  | Remark/Note  |
| 1       | Cooper Cameron Valves                                     | USA                      | On Hold-B1   |
| 2       | KITZ  | Japan                    |              |
| 3       | Flow Control Technology                                   | France                   | On Hold-B1   |
| 4       | Crane   | USA                      | On Hold-B1   |
| 5       | Orbit Valves  | UK                       | On Hold-B1   |
| 6       | T.K.Valves, Abu Dhabi                                     | UAE                      | On Hold-B1   |
| 7       | Tyco  | Italy                    | On Hold-B1   |
| 8       | Petrol valves S.r.l                                       | Italy                    |              |
| 9       | Dresser Italia Srl.(Grove Divisions)                      | Italy                    | On Hold-B1   |
| 10      | Flowserve Flow control GmbH                               | Germany                  |              |
| 11      | L&T Valves Ltd  | India                    |              |
| 12      | Emerson Process Management (India) Private Limited, India | India                    |              |
| 13      | Argus   | Germany                  | On Hold-B1   |
| 14      | Grove Italia Spa  | Italy                    | On Hold-B1   |
| 15      | Cameron Iron Works  | USA                      | On Hold-B1   |
| 16      | Valbart Srl   | Italy                    |              |
| 17      | Valvinox S.R.L.,Milan                                     | Italy                    |              |
| 18      | Emerson Process Management Virgo Valves, Srl              | Italy                    |              |
| 19      | OMS SALERI S.p.A  | Italy                    |              |
| 20      | DeVal Flow Controls Pvt. Ltd.                             | India                    |              |
| 21      | JC Valvulas India Pvt Ltd                                 | India                    | # NEW VENDOR |
| Product | 13  | Pipe (CS Non-NACE)       |              |
| S. No.  | Vendor  | Country                  | Remark/Note  |
| 1       | BHEL, Trichy  | India                    |              |
| 2       | Indian Seamless, Ahmed Nagar                              | India                    | On Hold-B1   |
| 3       | Jindal Pipes, New Delhi                                   | India                    |              |
| 4       | Jindal Saw Ltd, Delhi                                     | India                    |              |
| 5       | NSC   | Japan                    | On Hold-B1   |
| 6       | Mitsubishi  | Japan                    | Trader       |
| 7       | MGI   | France                   |              |

|                |  |  |                    |
|----------------|--|--|--------------------|
| 8              | Maharashtra Seamless   | India                                      |                    |
| <b>Product</b> | <b>14</b>  | <b>Pipe Fittings in CS Non-NACE</b>        |                    |
| <b>S. No.</b>  | <b>Vendor</b>  | <b>Country</b>                             | <b>Remark/Note</b> |
| 1              | Commercial Supplying Agencies, Mumbai  | India                                      | On Hold-B1         |
| 2              | Pipe Fit Engineers ,Vadodara (For CS,NON-NACE Butt welded fittings, BW Elbows Reducers/TEE/CAP (Seamless/Welded) | India                                      |                    |
| 3              | Tube Products Incorporate  | India                                      |                    |
| 4              | Sawan Engineers Pvt Ltd  | India                                      |                    |
| 5              | T K Corporation  | Korea                                      |                    |
| 6              | Forged Industrial Corporation  | India                                      |                    |
| 7              | Tube Turn (India) Pvt Ltd  | India                                      |                    |
| 8              | Montex Forge Industries  | India                                      |                    |
| 9              | DEE Development Engineers Ltd.   | India                                      |                    |
| <b>Product</b> | <b>15</b>  | <b>Forged Flanges in CS Non-NACE</b>       |                    |
| <b>S. No.</b>  | <b>Vendor</b>  | <b>Country</b>                             | <b>Remark/Note</b> |
| 1              | Echjay Industries, Mumbai /Rajkot  | India                                      |                    |
| 2              | Paramount Forge, Mumbai  | India                                      |                    |
| 3              | Tube Products Incorporate, Vadodara  | India                                      |                    |
| 4              | Sawan Engineers Pvt Ltd  | India                                      |                    |
| 5              | Forged Industrial Corporation  | India                                      |                    |
| 6              | Montex Forge Industries  | India                                      |                    |
| <b>Product</b> | <b>16</b>  | <b>Ball Valves-(Fire Safe)-CS Non-NACE</b> |                    |
| <b>S. No.</b>  | <b>Vendor</b>  | <b>Country</b>                             | <b>Remark/Note</b> |
| 1              | L&T Valves Ltd   | India                                      |                    |
| 2              | Petrol Valves S.r.l  | Italy                                      |                    |
| 3              | Emerson Process Management (India) Private Limited, India  | India                                      |                    |
| 4              | Microfinish, Hubli   | India                                      |                    |
| 5              | MIR VALVE SDN BHD  | Malaysia                                   |                    |
| 6              | Camtech Manufacturing FZCO   | UAE  |                    |
| 7              | Novel Valves India Pvt. Ltd. ( Upto 8 ")   | India                                      |                    |
| <b>Product</b> | <b>17</b>  | <b>Ball Valves-CS Non-NACE</b>             |                    |
| <b>S. No.</b>  | <b>Vendor</b>  | <b>Country</b>                             | <b>Remark/Note</b> |
| 1              | L&T Valves Ltd   | India                                      |                    |

|                |   |   |                    |
|----------------|---|---|--------------------|
| 2              | Forward Alloys & Castings, Mumbai (Upto 8"X900#)                                    | India   |                    |
| 3              | Emerson Process Management (India) Private Limited, India                           | India   |                    |
| 4              | Microfinish, Hubli  | India   |                    |
| 5              | O.M.S. SALERI   | Italy   |                    |
| 6              | Friulco S.p.A   | Italy   |                    |
| <b>Product</b> | <b>18</b>   | <b>Gate, Globe, Check , Needle Valves (CS Non-NACE)</b> |                    |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>  | <b>Remark/Note</b> |
| 1              | L&T Valves Ltd  | India   |                    |
| 2              | Forward Alloys & Castings, Mumbai (For Check valves CS upto size 6" x 900#)         | India   |                    |
| 3              | Niton Valve Industries Pvt.Ltd.,Mumbai  | India   |                    |
| 4              | Douglus Chero S.p.a (Upto 8" size)  | Italy   |                    |
| 5              | BHEL, Trichy  | India   |                    |
| 6              | Oswal Industries Ltd.(for Globe & Check Valves, size up to 6" and rating upto 600#) | India   |                    |
| 7              | Friulco S.p.A.  | Italy   |                    |
| 8              | Valvinox s.r.l- Milan (For Needle Valves- CS Non NACE)                              | Italy   |                    |
| 9              | Valve Tech Industries   | India   |                    |
| <b>Product</b> | <b>19</b>   | <b>Pipe (Stainless Steel)</b>                           |                    |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>  | <b>Remark/Note</b> |
| 1              | Choksi Tubes, Ahmedabad   | India   |                    |
| 2              | Productos Tubulares S.A.U   | Spain   |                    |
| 3              | Ratnamani Metals and Tubes  | India   |                    |
| 4              | TTI Tubacex Tubos Inoxidable SA   | Spain   |                    |
| 5              | Suraj Limited   | India   |                    |
| 6              | Maxim Tubes Company Pvt. Ltd  | India   |                    |
| 7              | Adinox Overseas {For Pipe( Stainless, Seamless Upto 16")}                           | India   |                    |
| 8              | Venus Pipes and Tubes Limited {( For Pipes(Stainless Steel Non-NACE)}               | India   |                    |
| <b>Product</b> | <b>20</b>   | <b>Pipes (Stainless Steel, Welded)</b>                  |                    |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>  | <b>Remark/Note</b> |
| 1              | Ratnamani Metals & Tubes, Ahmedabad   | India   |                    |
| 2              | SOSTA BV (NACE, ASTM A 358)   | The Netherlands   |                    |
| 3              | Adinox Overseas   | India   |                    |

| Product | 21  | Ball Valves (SS NACE and Non NACE)     |             |
|---------|---|--|-------------|
| S. No.  | Vendor  | Country                                | Remark/Note |
| 1       | L&T Valves Ltd  | India                                  |             |
| 2       | Emerson Process Management (India) Private Limited, India     | India                                  |             |
| 3       | Friulco S.p.A (Only for SS Non NACE)                          | Italy                                  |             |
| 4       | Valvinox S.R.L., Milan  | Italy                                  |             |
| 5       | FG Valvole Srl  | Italy                                  |             |
| Product | 22  | Fittings (SS NACE & Non NACE)          |             |
| S. No.  | Vendor  | Country                                | Remark/Note |
| 1       | Gujarat Infra Pipes, Mumbai                                   | India                                  |             |
| 2       | Tube Products Incorporate                                     | India                                  |             |
| 3       | Sawan Engineers Pvt Ltd                                       | India                                  |             |
| 4       | ALLIED INTERNATIONAL S.r.l                                    | Italy                                  |             |
| 5       | EBY Fasteners (Socket welded fittings for sizes less than 2") | India                                  |             |
| 6       | DEE Development Engineers Ltd.                                | India                                  |             |
| Product | 23  | Flanges (SS NACE & Non NACE)           |             |
| S. No.  | Vendor  | Country                                | Remark/Note |
| 1       | Echjay Industries, Mumbai                                     | India                                  |             |
| 2       | CHW Forge Private Ltd.  | India                                  |             |
| 3       | Officine Ambrogio Melesi & C.Srl                              | Italy                                  |             |
| 4       | Tube Products Incorporate                                     | India                                  |             |
| 5       | Officine Nicola Galperti Figlio S.p.A                         | Italy                                  |             |
| Product | 24  | Globe , Check & Needle Valve (SS NACE) |             |
| S. No.  | Vendor  | Country                                | Remark/Note |
| 1       | L&T Valves Ltd  | India                                  |             |
| 2       | Niton Valve Industries Pvt.Ltd., Mumbai,                      | India                                  |             |
| 3       | Douglus Chero S.p.a, (Upto 8" size)                           | Italy                                  |             |
| 4       | Petrol Valves S.r.l (for check valves only)                   | Italy                                  |             |
| 5       | M/s VALVINOX s.r.l. (I) PVT. LTD (For Globe Valves only)      | India                                  |             |
| Product | 25  | Gate Valve (SS NACE)                   |             |
| S. No.  | Vendor  | Country                                | Remark/Note |
| 1       | Niton Valve Industries Pvt.Ltd., Mumbai                       | India                                  |             |
| 2       | Douglus Chero S.p.a, (Upto 8" size)                           | Italy                                  |             |

| Product | 26  | Gate/Globe/Check/Needle valve (SS Non-NACE)                       |   |
|---------|---|---|---|
| S. No.  | Vendor  | Country   | Remark/Note                                 |
| 1       | L&T Valves Ltd  | India   |   |
| 2       | Niton Valve Industries Pvt.Ltd.,Mumbai                          | India   |   |
| 3       | Friulco S.p.A   | Italy   |   |
| 4       | Valvinox S.R.L.,Milan   | Italy   |   |
| Product | 27  | Pipes (Cu-Ni)   |   |
| S. No.  | Vendor  | Country   | Remark/Note                                 |
| 1       | Alcabex Metals, Jodhpur,  | India   | On Hold-B1                                  |
| 2       | Cubex Tubing, Hyderabad   | India   | B3 Hold removed for Seamless pipes upto 14" |
| 3       | Lebronze Industrial   | France  |   |
| 4       | Haewon Industries Co.Ltd.                                       | Korea   |   |
| Product | 28  | Pipes & Fittings(Cu-Ni)   |   |
| S. No.  | Vendor  | Country   | Remark/Note                                 |
| 1       | Le Brone Industrial   | France  |   |
| 2       | TTS Ind.Co., Ltd  | Korea   |   |
| 3       | V.D.M.  | Germany   | On Hold-B1                                  |
| 4       | Sam Yang Metal Ind.Co.Ltd                                       | Korea   |   |
| 5       | Haewon Industries Co.Ltd.                                       | Korea   |   |
| 6       | KM Europa Metal Aktengesell Schaft, (Pipes, Fittings & Flanges) | Germany   |   |
| 7       | Sitindustrie  | Italy   |   |
| 8       | Bo Myung Metal Co Ltd.(Pipes, Fittings & Flanges)               | Korea   |   |
| 9       | Cubex Tubing Limited (Seamless upto 12" )                       | India   |   |
| Product | 29  | Ball Valve (Aluminium Bronze)                                     |   |
| S. No.  | Vendor  | Country   | Remark/Note                                 |
| 1       | Brooksbank Valves Ltd   | U.K   |   |
| 2       | Orseal Ltd, Bolton  | UK  |   |
| 3       | Hawa Valves (India) Pvt Ltd                                     | India   |   |
| 4       | Valvinox S.R.L.,Milan   | Italy   |   |
| 5       | DelVal Flow Controls Pvt. Ltd.                                  | India   |   |
| Product | 30  | Ball/Gate/Globe/Check/Needle valve (Al-Bronze, Leaded-Tin Bronze) |   |
| S. No.  | Vendor  | Country   | Remark/Note                                 |
| 1       | Shipham Valves  | U.K   |   |



|                |  |   |                    |
|----------------|--|---|--------------------|
| 2              | Douglus Chero S.p.a.(Globe Valve-Al Bronze Only)                     | Italy                                     |                    |
| 3              | Forward Alloys & Castings (Nickel Aluminium Bronze)                  | India                                     |                    |
| 4              | Brooksbank Valves Ltd (For Gate, Globe, Check Valves) (Ni-Al-Bronze) | UK  |                    |
| <b>Product</b> | <b>31</b>  | <b>Titanium valves</b>                    |                    |
| <b>S. No.</b>  | <b>Vendor</b>  | <b>Country</b>                            | <b>Remark/Note</b> |
| 1              | Shipham Valves   | UK  |                    |
| 2              | Douglus Chero S.p.a.(Check Valves upto 6" size)                      | Italy                                     |                    |
| <b>Product</b> | <b>32</b>  | <b>Flanges(SDSS/ Incoloy/Titanium/CS)</b> |                    |
| <b>S. No.</b>  | <b>Vendor</b>  | <b>Country</b>                            | <b>Remark/Note</b> |
| 1              | Officine Ambrogio Melesi & C Srl                                     | Italy                                     |                    |
| 2              | Officine Nicola Galperti Figlio S.p.A                                | Italy                                     |                    |
| <b>Product</b> | <b>33</b>  | <b>Ball Valves (Incolloy)</b>             |                    |
| <b>S. No.</b>  | <b>Vendor</b>  | <b>Country</b>                            | <b>Remark/Note</b> |
| 1              | Petrol Valves S.r.l  | Italy                                     |                    |
| 2              | BAC VALVES S.A   | Spain                                     |                    |
| <b>Product</b> | <b>34</b>  | <b>GRE-Pipes- Fittings / Flanges</b>      |                    |
| <b>S. No.</b>  | <b>Vendor</b>  | <b>Country</b>                            | <b>Remark/Note</b> |
| 1              | Future Pipe Industries B.V.  | Netherlands                               |                    |
| 2              | Fiber Glass System   | UAE                                       | On Hold-B1         |
| 3              | NOV FGS Singapore (Pte) Limited                                      | Singapore                                 |                    |
| 4              | Ameron   | Netherlands                               | On Hold-B1         |
| 5              | Future Pipe Industries (LLC)   | Kingdom of Saudi Arabia                   |                    |
| 6              | Chemical Process Piping Pvt. Ltd.                                    | India                                     |                    |
| <b>Product</b> | <b>35</b>  | <b>Ball Valve (CPVC/PVC)</b>              |                    |
| <b>S. No.</b>  | <b>Vendor</b>  | <b>Country</b>                            | <b>Remark/Note</b> |
| 1              | Georg Fisher Piping Sytems Ltd                                       | Switzerland                               |                    |
| <b>Product</b> | <b>36</b>  | <b>Shutdown Valves (CPVC)</b>             |                    |
| <b>S. No.</b>  | <b>Vendor</b>  | <b>Country</b>                            | <b>Remark/Note</b> |
| 1              | Georg Fisher Piping Sytems Ltd                                       | Switzerland                               |                    |
| <b>Product</b> | <b>37</b>  | <b>Scraper Tees (ASME-B31.4/31.8)</b>     |                    |
| <b>S. No.</b>  | <b>Vendor</b>  | <b>Country</b>                            | <b>Remark/Note</b> |
| 1              | TD Williamson  | USA                                       |                    |
| 2              | Pipeline Engineering Supply  | UK  |                    |
| 3              | Schulz Export GMBH   | Germany                                   |                    |

|                |   |   |                    |
|----------------|---|---|--------------------|
| 4              | Gam Raccordi, (For CS-Non NACE, CS-NACE)                  | Italy   |                    |
| 5              | ALLIED INTERNATIONAL S.r.l                                | Italy   |                    |
| 6              | FAI Office Di Carvico S.p.A (For CS-Non NACE, CS-NACE)    | Italy   |                    |
| 7              | Sawan Engineers Pvt. Ltd. (For CS-NACE, DSS)              | India   |                    |
| <b>Product</b> | <b>38</b>   | <b>Hinged Closures (ASME SEC VIII Div 1)</b>                      |                    |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>  | <b>Remark/Note</b> |
| 1              | Perry Equipment Corp                                      | USA   | On Hold-B1         |
| 2              | TD Williamson   | USA   |                    |
| 3              | Pipeline Engineering Supply                               | UK  |                    |
| 4              | GD Engineering, (For CS-Non NACE & CS-NACE)               | UK  |                    |
| 5              | FAI Officine di Carvico S.p.a.(For CS-NON NACE & CS-NACE) | Italy   |                    |
| 6              | Vee Kay Vikram & Co. LLP (CS NACE & Non-NACE)             | India   |                    |
| <b>Product</b> | <b>39</b>   | <b>Corrosion Probes</b>   |                    |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>  | <b>Remark/Note</b> |
| 1              | Casasco Division  | USA   | On Hold-B1         |
| 2              | Rohrback Cosasco  | USA   |                    |
| 3              | Caproco   | Canada  |                    |
| 4              | Emerson SRL   | Romania   |                    |
| 5              | Korosi Specindo   | Indonesia   |                    |
| <b>Product</b> | <b>40</b>   | <b>Pig Detector</b>   |                    |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>  | <b>Remark/Note</b> |
| 1              | Pipeline Engineering & Supply Co.                         | UK  |                    |
| 2              | TD Williamson   | USA   |                    |
| 3              | GD Engineering (For CS-Non NACE, CS-NACE)                 | UK  |                    |
| 4              | FAI Office Di Carvico S.p.A (For CS-Non NACE, CS-NACE)    | Italy   |                    |
| 5              | Online Electronics Ltd (for Non-Intrusive only)           | UK  |                    |
| 6              | Vee Kay Vikram & Co. LLP (for CS NACE (Intrusive type))   | India   |                    |
| <b>Product</b> | <b>41</b>   | <b>FW/FM Reels &amp; Utility Hose Reels-(UL/USCG/FM Approval)</b> |                    |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>  | <b>Remark/Note</b> |
| 1              | Marine Hydraulic  | India   |                    |
| 2              | M/s Gaytri Industrial Corporation Pvt. Ltd                | India   | # NAME CHANGE      |

|                |   |  |                    |
|----------------|---|--|--------------------|
| 3              | Royal India Corporation, Mumbai                           | India  |                    |
| 4              | Dooley Tackaberry   | USA  |                    |
| <b>Product</b> | <b>42</b>   | <b>Strainer-(Basket type as per ASME SEC VIII Div 1 and others)</b>        |                    |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>   | <b>Remark/Note</b> |
| 1              | Armstrong International SA                                | Belgium  |                    |
| 2              | Multitex Filtration Engineers Limited, New Delhi          | India  |                    |
| 3              | Filtration Engineers (India) Pvt Ltd, Mumbai,             | India  |                    |
| 4              | Vermeer Process Technology, BV                            | Netherlands  |                    |
| <b>Product</b> | <b>43</b>   | <b>Spray Nozzles-(NFPA 15 and appv. By UL,USA/VJTI,INDIA)</b>              |                    |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>   | <b>Remark/Note</b> |
| 1              | Marine Hydraulics   | India  |                    |
| 2              | Wormald Fire systems                                      | UK   | On Hold-B1         |
| <b>Product</b> | <b>44</b>   | <b>Continuous Drainers</b>   |                    |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>   | <b>Remark/Note</b> |
| 1              | Armstrong International SA                                | Belgium  |                    |
| <b>Product</b> | <b>45</b>   | <b>5D Bends-(ASME B 31.4 / 31.8)</b>                                       |                    |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>   | <b>Remark/Note</b> |
| 1              | Fabricom  | Belgium  |                    |
| 2              | Igawara Industrial Service and trading Pte Ltd.           | Singapore  | Trader             |
| 3              | PSL, Kandla   | India  |                    |
| 4              | Tenaris Dalmine   | Italy  |                    |
| 5              | Dai iChi High Frequency Co Ltd                            | Japan  |                    |
| 6              | Pipeline Engineering                                      | UK   |                    |
| 7              | Salzgitter Mannesmann Grobblech GmbH (5D Bends - Cladded) | Germany  |                    |
| 8              | Jindal Saw Ltd.   | India  |                    |
| 9              | Sawan Engineers Pvt Ltd                                   | India  |                    |
| 10             | FTV Proclad LLC,  | UAE  |                    |
| <b>Product</b> | <b>46</b>   | <b>Chemical &amp; Utility Hoses &amp; Hose Connection.(Fire Resistant)</b> |                    |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>   | <b>Remark/Note</b> |
| 1              | Marine Hydraulics, Mumbai                                 | India  |                    |
| 2              | Gaytri Industrial Corporation Pvt. Ltd                    | India  | # NAME CHANGE      |

|                |   |   |                    |
|----------------|---|---|--------------------|
| 3              | Royal India Corp., Mumbai   | India   |                    |
| 4              | Gutteling B.V. (ABS approved)   | The Netherlands   |                    |
| 5              | Alfagomma Hydraulics SpA (ABS approved)   | Italy   |                    |
| <b>Product</b> | <b>47</b>   | <b>Choke valves</b>   |                    |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>  | <b>Remark/Note</b> |
| 1              | Mokveld   | USA   | On Hold-B1         |
| 2              | Petrol Valves S.r.l.  | Italy   |                    |
| 3              | WEIR Valves & Controls UK Ltd   | UK  |                    |
| 4              | Cooper Cameron  | Singapore   | On Hold-B1         |
| 5              | CCI   | USA   |                    |
| 6              | JVS Engineers   | India   |                    |
| 7              | IMI Critical Engineering Korea (CS NACE)  | Korea   |                    |
| 8              | KOSO India Private Limited (CS NACE)  | India   |                    |
| <b>Product</b> | <b>48</b>   | <b>2" Adjustable choke valve 900# class NACE</b>                  |                    |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>  | <b>Remark/Note</b> |
| 1              | BHEL  | India   |                    |
| <b>Product</b> | <b>49</b>   | <b>Sample Bomb-(ASME Sec VIII Div1)</b>                           |                    |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>  | <b>Remark/Note</b> |
| 1              | Harsh Engg. Components Co., Mumbai  | India   |                    |
| <b>Product</b> | <b>50</b>   | <b>Launcher /Receiver-(ASME-B31.4/31.8) -(ASME Sec VIII Div1)</b> |                    |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>  | <b>Remark/Note</b> |
| 1              | Pipeline Engineering  | UK  |                    |
| 2              | TD Williamson   | USA   |                    |
| 3              | L&T   | India   |                    |
| 4              | FAI Officine di Carvico S.p.a.,(CS-NACE & CS-NON NACE)  | Italy   |                    |
| 5              | Multitex Filtration Engineers Ltd. (CS-NACE)  | India   |                    |
| 6              | Vee Kay Vikram & Co. LLP  | India   | # NEW VENDOR       |
| <b>Note</b>    | Fabrication of barrel of Launcher / Receiver can be carried out by Fabrication agency approved for LSTK Contracts with speciality items as per ONGC's Offshore Suggested Vendor List. |   |                    |
| <b>Product</b> | <b>51</b>   | <b>Gaskets</b>  |                    |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>  | <b>Remark/Note</b> |
| 1              | Madras Industrial Product   | India   |                    |
| 2              | IGP   | India   |                    |
| 3              | Goodrich Gasket Pvt. Ltd.   | India   |                    |

| Product | 52   | Flanges-Super DSS               |                           |
|---------|--|---------------------------------|---------------------------|
| S. No.  | Vendor   | Country                         | Remark/Note               |
| 1       | Officine Nicola Galperti Figlio S.p.A  | Italy                           |                           |
| Product | 53   | Shutdown Valve - CS             |                           |
| S. No.  | Vendor   | Country                         | Remark/Note               |
| 1       | Cameron Italia S.R.L (Upto 60" / Up to 300 Lbs)  | Italy                           | On Hold-B1                |
| 2       | Cooper Cameron, Singapore (Up to 24" / Upto 1500 Lbs)  | Singapore                       | On Hold-B1                |
| 3       | EL-O-MATIC India (P) Ltd., (Up to 8" / Upto 300 Lbs)   | India                           |                           |
| 4       | Flowserve PTE Ltd. (Up to 12" / Upto 300 Lbs)  | India                           | On Hold-B1                |
| 5       | HINDLE Cockburns Ltd. (Upto 16" / Upto 300 Lbs & Upto 12" / 600-2500 Pounds)                         | India                           | On Hold-B1                |
| 6       | Metso Automation PTE Ltd. (Upto 30" / Upto 1500 Lbs)   | India                           | On Hold-B1                |
| 7       | Perrin GmbH, Germany (8" / Upto 600 Lbs & 16" / Upto 300 Lbs)  | Germany                         |                           |
| 8       | Pibiviesse SPA (Upto 16" / 1500 Lbs)   | Italy                           | On Hold-B1                |
| 9       | Weir Valves & Controls UK Ltd. (Upto 42" / Upto 1500 Lbs)  | UK                              |                           |
| 10      | Pentair Valves and control India Pvt. Limited (Upto 16" / Upto 300 Lbs & Upto 12" / 600 to 2500 Lbs) | India                           |                           |
| Product | 54   | Shutdown Valve - SS - Non NACE  |                           |
| S. No.  | Vendor   | Country                         | Remark/Note               |
| 1       | Emerson Process Management (India) Private Limited, India  | India                           |                           |
| Product | 55   | Multi Port Valves               |                           |
| S. No.  | Vendor   | Country                         | Remark/Note               |
| 1       | Framo Engineering AS   | Norway                          |                           |
| 2       | Bettis Emerson Process Management (Valve Automation)   | Canada                          |                           |
| Product | 56   | Shutdown Valve - Ni-Al-Br (NAB) |                           |
| S. No.  | Vendor   | Country                         | Remark/Note               |
| 1       | Brooksbank Valves Ltd. (Up to #150)  | UK                              |                           |
| 2       | DelVal Flow Controls Private Limited   | India                           | # NEW VENDOR (Up to 150#) |

| Product | 57   | Double Block & Bleed (DBB) Arrangement Valves (CS-NACE) |             |
|---------|--|---|-------------|
| S. No.  | Vendor   | Country   | Remark/Note |
| 1       | Oliver Valves Limited (Up to 2" and #1500)     | UK  |             |
| 2       | Galperti Engineering and Flow Control Spa      | Italy   |             |
| 3       | Novel Valves India Pvt. Ltd.                   | India   |             |
| Product | 58   | Double Block & Bleed (DBB) Valves (DSS)                 |             |
| S. No.  | Vendor   | Country   | Remark/Note |
| 1       | Galperti Engineering and Flow Control Spa      | Italy   |             |
| 2       | Panam Engineers Limited                        | India   |             |
| 3       | Novel Valves India Pvt. Ltd.                   | India   |             |
| Product | 59   | Gate, Globe, Check, Needle Valves (Incolloy/Inconel)    |             |
| S. No.  | Vendor   | Country   | Remark/Note |
| 1       | Petrol Valves SRL (Check Valves Incolloy only) | Italy   |             |
| 2       | Douglas Chero S.p.a (for 2" and below)         | Italy   |             |
| 3       | Firsa S.p.a (for Cladded only)                 | Italy   |             |
| Product | 60   | Flame Arrestors   |             |
| S. No.  | Vendor   | Country   | Remark/Note |
| 1       | Petrol Service                                 | France  |             |
| 2       | Groth Corporation                              | USA   |             |
| 3       | GPE Controls                                   | USA   |             |
| 4       | Braunschweiger Flammenfilter GmbH              | Germany   |             |
| 5       | Whersoc, S.A.                                  | France  |             |
| 6       | Shand & Jurs                                   | USA   |             |
| 7       | Safety Systems UK Ltd.                         | UK  |             |
| 8       | Protego India Pvt.Ltd                          | India   |             |
| Product | 61   | In-Line Separator (De-Liquidiser)                       |             |
| S. No.  | Vendor   | Country   | Remark/Note |
| 1       | FMC Separation Systems BV                      | The Netherlands   |             |
| 2       | Sulzer Netherlands Holding BV (Sulzer AG)      | The Netherlands   |             |
| Product | 62   | Fittings (Incoloy 825/ Inconel 625)                     |             |
| S. No.  | Vendor   | Country   | Remark/Note |
| 1       | Promat BD Ltd. Middle East                     | UAE   |             |

|                |   |  |                    |
|----------------|---|--|--------------------|
| <b>Product</b> | <b>63</b>   | <b>Flanges (Incoloy 825/ Inconel 625)</b>                          |                    |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>   | <b>Remark/Note</b> |
| 1              | Promat BD Ltd. Middle East  | UAE  |                    |
| <b>Product</b> | <b>64</b>   | <b>Incoloy 825/ Inconel 625 Clad Fittings, Pipes &amp; Flanges</b> |                    |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>   | <b>Remark/Note</b> |
| 1              | PT Cladtek Bi-Metal Manufacturing   | Indonesia  |                    |
| 2              | FTV Proclad L.L.C   | UAE  |                    |
| <b>Product</b> | <b>65</b>   | <b>Flexible Hoses for Jumpers. API17K</b>                          |                    |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>   | <b>Remark/Note</b> |
| 1              | Contitech Rubber Industrial KFT   | Hungary  |                    |
| <b>Product</b> | <b>66</b>   | <b>Butterfly Valves - NAB</b>                                      |                    |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>   | <b>Remark/Note</b> |
| 1              | Forward Alloys & Castings   | India  |                    |
| <b>Note 1</b>  | Vendors qualified for CS NACE shall also be considered qualified for CS Non NACE items. The list given above for CS Non NACE is additional list for vendors supplying CS Non NACE items only.   |  |                    |
| <b>Note 2</b>  | Vendors qualified for DSS material shall also be considered qualified for SS NACE / SS-Non NACE materials.  |  |                    |
| <b>Note 3</b>  | Vendors qualified for Nickel-Aluminium-Bronze (NAB) shall be considered qualified for Lead-Tin-Bronze (LTB) also and vice versa.  |  |                    |
| <b>Note 4</b>  | Vendors qualified for SS NACE shall also be considered qualified for SS Non NACE items. The list given above for SS Non NACE is additional list for vendors supplying SS Non NACE items only.   |  |                    |
| <b>Note 5</b>  | Vendors qualified for items under Pipeline Discipline can be considered acceptable for similar items under Piping Discipline provided the applicable specifications are similar and meet the specification requirements.  |  |                    |
| <b>Note 6</b>  | Vendors listed in the category of Ball Valves for all types of MOC can be considered for metal seated ball valves also in the respective categories. However, Vendor is required to submit track record of supply of metal seated valves at the time of submission of PS. |  |                    |
| <b>Note 7</b>  | Listed vendors for Globe valves can also be considered as qualified for Needle valves provided they manufacture the same.   |  |                    |

| <b>Mechanical and Rotary Equipment</b> |   |  |                    |
|--|---|--|--------------------|
| <b>Product</b>                         | <b>1</b>                                      | <b>Deck Crane-API-2C monogram</b>  |                    |
| <b>S. No.</b>                          | <b>Vendor</b>                                 | <b>Country</b>   | <b>Remark/Note</b> |
| 1                                      | Favelle Favco Cranes                          | Australia / Malaysia   |                    |
| 2                                      | Raina Engineers, Mumbai                       | India  |                    |
| 3                                      | Oil States Skagit SMATCO, LLC                 | USA  |                    |
| 4                                      | ECI, Energy Cranes International              | USA  | <b>On Hold-B1</b>  |
| 5                                      | National Oil Well                             | USA  |                    |
| 6                                      | ITALGRU SRL                                   | Italy  |                    |
| 7                                      | Oil States Industries (India) Private Limited | India  |                    |
| 8                                      | M.E.P-Pellegrini Marine Equipments S.R.L      | Italy  |                    |
| <b>Product</b>                         | <b>2</b>                                      | <b>Pneumatic (Air/HC Gas) driven pumps</b>   |                    |
| <b>S. No.</b>                          | <b>Vendor</b>                                 | <b>Country</b>   | <b>Remark/Note</b> |
| 1                                      | Haskel Energy                                 | USA/UK   |                    |
| 2                                      | CP Pumps & Systems FZE (For both Air and Gas) | UAE  |                    |
| 3                                      | McFarland TriTan LLC                          | USA  |                    |
| <b>Product</b>                         | <b>3</b>                                      | <b>Fabricator of Pressure Vessels- ASME "U" code stamped (Air Receiver, Nitrogen Receiver, Glycol Seal Pot, Crude Condensate Drum, Well Activation Vessel, Hot Oil Expansion Tank, Oxygen Scavenger Reaction Vessel &amp; Skimmer vessels)</b> |                    |
| <b>S. No.</b>                          | <b>Vendor</b>                                 | <b>Country</b>   | <b>Remark/Note</b> |
| 1                                      | L&T Hydrocarbon Engineering Ltd.              | India.   |                    |
| 2                                      | R.D.Engineers, Mumbai                         | India  |                    |
| 3                                      | Kilburn Engg.Ltd, Mumbai                      | India  |                    |
| 4                                      | BHEL  | India  |                    |
| 5                                      | GMMOS   | Dubai  |                    |
| 6                                      | FAI Officine di Carvico S.p.A.,               | Italy  |                    |
| 7                                      | Indcon Projects & Equipment Ltd., New Delhi   | India  |                    |
| 8                                      | Deutsche Babcock                              | Abu Dhabi  | <b>On Hold-B1</b>  |
| 9                                      | ISGEC   | India  |                    |
| 10                                     | Multitex Filtration Engineers Ltd.            | India  |                    |
| 11                                     | Perfect International FZC                     | UAE  |                    |
| 12                                     | NPCC, Abu Dhabi                               | UAE  |                    |



|                |  |   |   |
|----------------|--|---|---|
| 13             | Sparklet Engineers Pvt Ltd   | India   | <b>Banned Firms</b><br>(20.04.2022 to 19.04.2024) |
| 14             | Petra Fabricators Sdn Bhd  | Malaysia  |   |
| 15             | NASH Engineering FZCO  | UAE   |   |
| 16             | Unique Chemo Plant Equipments  | India   |   |
| 17             | Grand Prix Engineering Pvt.Ltd   | India   |   |
| 18             | Steelcon Heat Transfer Equipment SDN BHD   | Malaysia  |   |
| <b>Product</b> | <b>4</b>   | <b>Inst./Utility Gas Systems-Packaged Item (Process Licensor)</b> |   |
| <b>S. No.</b>  | <b>Vendor</b>  | <b>Country</b>  | <b>Remark/Note</b>                                |
| 1              | Kilburn Engg Ltd, Mumbai   | India   |   |
| 2              | INDCON Projects & Equipments Ltd.  | India   |   |
| <b>Note</b>    | All the vendors under the Fuel Gas Conditioning Skid Category in this list can be considered acceptable for IUG Systems also.  |   |   |
|                | Fabricator for the above Vessels to be selected from one of those Vendors listed in the Suggested Vendor List under item "Fabricator of Pressure Vessels"(Product SI No.3). Any fabricator other than as stipulated in SI. No. 3, selected shall be ASME 'U' code stamp authorized fabricator with proven PTR (Past Track Record) of minimum two years of offshore experience and shall be fabricating in the last ten years. Necessary documents are to be submitted / incorporated in Purchase Specification (PS) for review of company. |   |   |
| <b>Product</b> | <b>5</b>   | <b>Chain Pulley Block</b>   |   |
| <b>S. No.</b>  | <b>Vendor</b>  | <b>Country</b>  | <b>Remark/Note</b>                                |
| 1              | Ingersoll Rand   | USA   |   |
| 2              | Beebe International Inc  | USA   | <b>On Hold-B1</b>                                 |
| 3              | V.G.Ajmera & Brothers  | India   | <b>Trader</b>                                     |
| 4              | Kito   | Japan   |   |
| 5              | Air Dyne   | UK  | <b>Trader</b>                                     |
| 6              | J Barnsley   | UK  |   |
| 7              | Ansel Jones  | UK  |   |
| 8              | Hercules Hoist   | India   |   |
| 9              | STAHL Crane Systems GmbH   | Germany   |   |
| <b>Product</b> | <b>6</b>   | <b>Heat Exchangers-Shell-Tube TEMA code</b>                       |   |
| <b>S. No.</b>  | <b>Vendor</b>  | <b>Country</b>  | <b>Remark/Note</b>                                |
| 1              | Bharat Heavy Plates & Vessels  | India   |   |
| 2              | FBM – Hudson   | Italy   |   |
| 3              | Alfa Laval Olmi S.p.A  | Italy   |   |
| 4              | HHI  | Korea   |   |
| 5              | L&T Ltd.   | India   |   |
| 6              | GEI Industrial Systems Ltd. (For Gas Coolers)  | India   | <b>On Hold-B1</b>                                 |
| 7              | FAI Officine di Carvico S.p.A  | Italy   |   |

|                |   |   |   |
|----------------|---|---|---|
| 8              | Bukit Fraser Thermal Technology Sdn Bhd   | Malaysia  | On Hold-B3  |
| 9              | Godrej & Boyce Mfg. Co. Ltd   | India   |   |
| 10             | GR Engineering Works  | India   |   |
| 11             | ISGEC   | India   |   |
| 12             | TEMA India Ltd.   | India   |   |
| 13             | Indcon Projects & Equipments Ltd  | India   |   |
| 14             | Unique Chemo Plant Equipments   | India   |   |
| 15             | Tinita Engineering Private Limited  | India   |   |
| <b>Product</b> | <b>7</b>  | <b>Process Licensors-Separators (HP/LP / Cyclone / Test / Surge Tank / Knock Out Drums - ASME 'U' code stamped)</b> |   |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>  | <b>Remark/Note</b>  |
| 1              | Frames Process Systems, B.V   | Netherland  |   |
| 2              | Global Process System   | Dubai / Malaysia  |   |
| 3              | GasTech Engineering LLC   | USA   |   |
| 4              | Laksel EPS Technologies Pte Ltd   | Singapore   |   |
| 5              | Cameron Manufacturing (India) Pvt Ltd   | India   |   |
| 6              | Multitex Filtration Engineers Ltd   | India   |   |
| 7              | Koene Consultancy Holland BV (KCH Separation BV)  | Netherlands   |   |
| 8              | FMC Separation System B.V.  | Netherlands   |   |
| 9              | Zeta-pdm Ltd  | United Kingdom  |   |
| 10             | Jord International Pte Ltd  | Singapore   |   |
| 11             | Innovative Synergy Solutions Sdn Bhd  | Malaysia  |   |
| 12             | Bliss Anand Private Limited (In technical License agreement with M/s Gastech Engineering LLC, USA)  | India   | Enlisted under technical license agreement with M/s GasTech Engineering LLC USA, valid upto 12.02.2029 as a process licensee, subject to endorsement of all design documents by licensor Gastech Engineering LLC, USA |
| <b>Note</b>    | Fabricator for the above Separators to be selected from one of those Vendors listed in the Suggested Vendor List under item "Fabricator of Pressure Vessels". Any other fabricator selected shall be ASME 'U' code stamp authorized fabricator with PTR (Proven Past Track Record) of minimum two years of offshore experience and shall be fabricating in the last ten years. Necessary documents are to be submitted / incorporated in Purchase Specification (PS) for review of company. |   |   |

| Product | 8  | Fuel Gas Conditioning Skid-Packaged Item (Process Licensor)                          |  |
|---------|--|--|--|
| S. No.  | Vendor   | Country  | Remark/Note  |
| 1       | Oil & Gas Systems Ltd  | UK   |  |
| 2       | GasTech Engineering LLC  | USA  |  |
| 3       | Texas Systems & Controls   | USA  | On Hold-B1   |
| 4       | Global Process System  | Dubai/Malaysia   |  |
| 5       | Premabergo Italiano SRL  | Italy  | On Hold-B1   |
| 6       | Multitex Filtration Engineers Ltd.   | India  |  |
| 7       | GlobalTech Systems Engineering Pte Ltd   | Singapore  |  |
| 8       | Innovative Synergy Solutions Sdn Bhd   | Malaysia   |  |
| 9       | BGR Energy Systems Limited   | India  |  |
| 10      | Bliss Anand Private Limited<br>(In Technical License Agreement with M/s GasTech Engineering LLC, USA)  | India  | Enlisted under technical license agreement with M/s GasTech Engineering LLC USA, valid upto 12.02.2029 as a process licensee, subject to endorsement of all design documents by licensor Gastech Engineering LLC, USA. |
| Note    | Fabricator for the above Vessels to be selected from one of those Vendors listed in the Suggested Vendor List under item "Fabricator of Pressure Vessels"(Product SI No.3). Any fabricator other than as stipulated in SI. No. 3, selected shall be ASME 'U' code stamp authorized fabricator with proven PTR (Past Track Record) of minimum two years of offshore experience and shall be fabricating in the last ten years. Necessary documents are to be submitted / incorporated in Purchase Specification (PS) for review of company. |  |  |
| Product | 9  | HVAC-Packaged Item (Process Licensor/Compressor OEM or Authorised by Compressor OEM) |  |
| S. No.  | Vendor   | Country  | Remark/Note  |
| 1       | Specialist Services  | UAE  |  |
| 2       | Mpower Projects Pty Ltd.   | Australia  |  |
| 3       | ABB  | Switzerland  | On Hold-B1   |
| 4       | HVAC & Refrigeration Engineering Ltd., ABERDEEN  | Scotland   |  |
| 5       | Hi Air Korea Co. Ltd.  | Korea  |  |
| 6       | Harve Engineering Pte. Ltd. (Major equipments of the package should be from M/s Carrier)   | Singapore  |  |
| 7       | JL Marine & Engineering Pte Ltd.   | Singapore  |  |
| 8       | Hertal Offshore  | The Netherlands  |  |
| 9       | Seven Seas Services LLC  | Dubai  |  |
| 10      | Universal Voltas LLC (For Pressurization & Ventilation System only)  | Dubai  |  |

|                |   |  |                    |
|----------------|---|--|--------------------|
| 11             | FlaktGroup Singapore Pte Ltd  | Singapore  |                    |
| 12             | AAE Engineering (Thailand) Company Limited  | Thailand   |                    |
| <b>Product</b> | <b>10</b>   | <b>Sewage Treatment Unit</b>   |                    |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>   | <b>Remark/Note</b> |
| 1              | Red Fox, Lousiana (Biological type)   | USA  |                    |
| 2              | Sasakura Engg. Co. Ltd.   | Japan  |                    |
| 3              | De Nora Water Technologies Texas LLC (Electro-catalytic type)                             | USA  |                    |
| 4              | EVAC OY (Biological Type)   | Finland  |                    |
| <b>Product</b> | <b>11</b>   | <b>Utility Water Pump</b>  |                    |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>   | <b>Remark/Note</b> |
| 1              | Peerless  | Australia  |                    |
| 2              | DMW Corporation   | Japan/India*   |                    |
| 3              | ITT Corporation   | USA  |                    |
| 4              | WPIL  | India  |                    |
| 5              | Flowserve Hamburg GmbH  | Germany  |                    |
| <b>Note</b>    | <b>* Vendor is required to fulfil requirement of Note 5(a) of SVL for future supplies</b> |  |                    |
| <b>Product</b> | <b>12</b>   | <b>Rotary Gear Pumps</b>   |                    |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>   | <b>Remark/Note</b> |
| 1              | Albany  | UK   |                    |
| 2              | Viking  | UK   | On Hold-B1         |
| 3              | Hayward Tayler  | UK   |                    |
| 4              | MAAG  | Italy  |                    |
| 5              | Viking Pump, Inc.   | USA  |                    |
| <b>Product</b> | <b>13</b>   | <b>Fire Water Pump-Packaged item (Pump/Engine OEM or Authorised by Pump/Engine OEM)</b>                        |                    |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>   | <b>Remark/Note</b> |
| 1              | Fluid Power   | USA  |                    |
| 2              | Peerless Pumps/Peerless Pty Australia Ltd   | USA/Australia  |                    |
| 3              | Flowserve Corporation   | USA  |                    |
| 4              | Flowserve (Austria) GmbH  | Austria  | On Hold-B1         |
| 5              | KSB AG.   | Germany  | On Hold-B1         |
| 6              | SPP Pumps Ltd   | UK   |                    |
| 7              | Nuovo Pignone International S.r.l   | Italy  |                    |
| 8              | Gruppo Aturia (Pump OEM)  | Italy  |                    |
| <b>Product</b> | <b>14</b>   | <b>Instrument &amp; Utility Air Compressors-Packaged Item (Compressor OEM or Authorised by Compressor OEM)</b> |                    |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>   | <b>Remark/Note</b> |
| 1              | Tide Air  | USA  | On Hold-B1         |
| 2              | Atlas Copco   | USA/India*   |                    |
| 3              | Norwalk Compressor Co.  | USA  |                    |

|                |   |  |                    |
|----------------|---|--|--------------------|
| 4              | Comp air  | UK   |                    |
| 5              | Ingersoll Rand  | USA/India*   |                    |
| 6              | Airpack   | Netherland   |                    |
| 7              | Bellies & Morcam  | UK   |                    |
| 8              | Kobe Steel Ltd  | Japan  |                    |
| 9              | Neuman & Essar  | USA  |                    |
| 10             | Indcon Projects & Equipment Ltd., New Delhi (only for Instrument Air Dryers/Compressed Air Dryer) | India  |                    |
| 11             | Elgi Sauer Compressor Ltd.  | India  |                    |
| 12             | Bellelli Engineering S.p.A  | Italy  |                    |
| 13             | Sinergia Srl  | Italy  |                    |
| 14             | Firscamp Co., Ltd   | Korea  |                    |
| <b>Note</b>    | * Vendors are required to fulfil requirement of Note 5(a) of SVL for future supplies              |  |                    |
| <b>Product</b> | <b>15</b>   | <b>Sea Water Lift Pumps</b>  |                    |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>   | <b>Remark/Note</b> |
| 1              | Clyde Union Ltd.  | UK   |                    |
| 2              | KSB AG.   | Germany  | On Hold- B1        |
| 3              | Ebara Corporation   | Japan  |                    |
| 4              | DMW Corporation   | Japan  |                    |
| 5              | SPP Pumps Ltd   | UK   |                    |
| 6              | BPCL  | India  |                    |
| 7              | Flowserve (Austria) GmbH  | Austria  | On Hold- B1        |
| 8              | Hayward Tyler Engineered Products Ltd   | UK   | On Hold- B1        |
| <b>Product</b> | <b>16</b>   | <b>Produced Water Conditioner System (PWCS)-Packaged Item (Process Licensor)</b> |                    |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>   | <b>Remark/Note</b> |
| 1              | Peerless Europe Limited   | UK   |                    |
| 2              | Global Process System   | Dubai/Malaysia   |                    |
| 3              | Siemens Pte.Ltd.  | Singapore  |                    |
| 4              | FLSmidth gMAX Systems   | USA  |                    |
| 5              | Process Group Pty Ltd   | Australia  |                    |
| 6              | Cetco Oilfield Services   | Malaysia   |                    |
| 7              | Enhydra Ltd   | UK   |                    |
| 8              | Innovative Synergy Solutions Sdn Bhd  | Malaysia   |                    |

| Product | 17   | Engine Supplier and Packager |             |  |
|---------|--|------------------------------|-------------|--|
| S. No.  | Vendor   | Country                      | Remark/Note |  |
| 1       | Cooper Engergy Services  | USA                          | On Hold-B1  |  |
| 2       | Man Energy Solution SE   | Germany                      |             |  |
| 3       | Wartsila   | Finland                      |             |  |
| 4       | Caterpillar  | USA                          |             |  |
| 5       | Ruston Diesel  | USA                          |             |  |
| 6       | Cummins  | USA                          |             |  |
| 7       | MTU Detroit Inc.   | USA                          |             |  |
| NOTE    | Vendors who are Engine Manufacturer from the above list are also acceptable as Engine Supplier for other products of suggested vendor list.<br>All the vendors listed above can be considered acceptable for portable DG Sets also |                              |             |  |
| Product | 18   | Chlorinators                 |             |  |
| S. No.  | Vendor   | Country                      | Remark/Note |  |
| 1       | Engel Hard   | UK                           | On Hold-B1  |  |
| 2       | Titanium Tantalum Products Ltd., Chennai   | India                        |             |  |
| 3       | De Nora Water Technologies Texas LLC   | USA                          |             |  |
| 4       | PREMABERGO ITALIANA SRL  | Italy                        |             |  |
| 5       | Sespi Srl  | Italy                        |             |  |
| 6       | Cumberland International LLC   | UAE                          |             |  |
| 7       | Kalf Engineering Pte Ltd.  | Singapore                    |             |  |
| 8       | AZIENDA CHIMICA GENOVESE S.R.L. (ACG)  | Italy                        |             |  |
| 9       | Cumberland Electrochemical Limited   | UK                           |             |  |
| Product | 19   | Fine Filters                 |             |  |
| S. No.  | Vendor   | Country                      | Remark/Note |  |
| 1       | GPS (Global Process Systems Sdn Bhd)   | Malaysia                     |             |  |
| 2       | Eta Process Plant  | UK                           |             |  |
| 3       | Innovative Synergy Solutions Sdn Bhd   | Malaysia                     |             |  |

| Product     | 20  | Water Deoxygenation Tower  |   |  |
|-------------|---|--|---|--|
| S. No.      | Vendor  | Country  | Remark/Note   |  |
| 1           | Eta Process Plant Ltd.  | UK   |   |  |
| 2           | Edwards Limited   | UK   |   |  |
| 3           | Innovative Synergy Solutions Sdn Bhd  | Malaysia   |   |  |
| Product     | 21  | Main Injection / Main Oil Line Pumps   |   |  |
| S. No.      | Vendor  | Country  | Remark/Note   |  |
| 1           | Clyde Union Ltd.  | UK   |   |  |
| 2           | Ebara Corporation   | Japan  |   |  |
| 3           | Clyde Union SAS   | France   |   |  |
| 4           | Clyde Union DB Ltd  | UK   |   |  |
| 5           | Sulzer Pump   | UK/Switzerland/India*  |   |  |
| 6           | DMW Corporation   | Japan  |   |  |
| 7           | Flowserve S.A.  | Argentina  |   |  |
| 8           | Arai Pump Manufacturing Co. Ltd.  | Japan  |   |  |
| 9           | KSB Limited (JV with KSB SE & Co. KGaA Frankenthal, Germany)                              | India  | <b>Banned Firms</b><br>{15.03.2024 to 14.03.2026}   |  |
| <b>Note</b> | <b>* Vendor is required to fulfil requirement of Note 5(a) of SVL for future supplies</b> |  |   |  |
| Product     | 22  | Sump Caisson   |   |  |
| S. No.      | Vendor  | Country  | Remark/Note   |  |
| 1           | ESI   | USA  |   |  |
| 2           | ENVIRO-TECH SYSTEMS L.L.C   | USA  |   |  |
| Product     | 23  | Chemical Storage & Dosing System-Packaged Item<br>(Chemical Dosing Pump OEM or Authorised by Chemical Dosing Pump OEM) |   |  |
| S. No.      | Vendor  | Country  | Remark/Note   |  |
| 1           | Accudyne Industries India Pvt Ltd.  | India  |   |  |
| 2           | Nikkiso   | Japan  |   |  |
| 3           | Bran & Luebbe   | UK   |   |  |
| 4           | Petronash FZE   | UAE  |   |  |
| 5           | CP Pumps & Systems FZE  | UAE  |   |  |
| 6           | GlobalTech Systems Engineering Pte Ltd  | Singapore  |   |  |
| 7           | Innovative Synergy Solutions Sdn Bhd  | Malaysia   |   |  |
| 8           | Enpro Industries Pvt Ltd  | India  |   |  |
| 9           | Controls & Electrics Pte Ltd.   | Singapore  |   |  |
| 9 (a)       | Controls And Electrics System Manufacturing Ltd, UAE                                      | UAE  | <b># Additional Manufacturing Location</b><br>of vendor "M/s Control & Electrics Pte. Ltd., Singapore |  |
| 10          | Positive Metering Pupms India Pvt. Ltd  | India  |   |  |
| Product     | 24  | Sump Pumps   |   |  |
| S. No.      | Vendor  | Country  | Remark/Note   |  |
| 1           | Sulzer Pumps  | India  |   |  |
| 2           | DMW Corporation   | Japan  |   |  |
| 3           | KirloskarEbara Pumps Ltd  | India  |   |  |
| 4           | Ebara Corporation   | Japan  |   |  |
| 5           | Weir Gabbioneta Srl   | Italy  |   |  |

| Product | 25  | Controlled Volume Pumps               |             |  |
|---------|---|---------------------------------------|-------------|--|
| S. No.  | Vendor  | Country                               | Remark/Note |  |
| 1       | Union   | USA                                   | On Hold-B1  |  |
| 2       | Nikkiso                                       | Japan                                 |             |  |
| 3       | Milton Roy                                    | USA                                   |             |  |
| 4       | Bran & Luebbe                                 | Germany                               |             |  |
| 5       | Lewa  | Germany                               |             |  |
| 6       | Wallace & Tieman                              | UK                                    | On Hold-B1  |  |
| 7       | Check Point Fluidic Systems International Ltd | USA                                   |             |  |
| 8       | Officine Meccaniche Gallaratesi S.P.A.        | Italy                                 |             |  |
| 9       | Pulsafeeder Inc                               | USA                                   |             |  |
| 10      | SEKO S.p.A                                    | Italy                                 |             |  |
| 11      | Positive Metering Pumps India Pvt. Ltd.       | India                                 |             |  |
| Product | 26  | Rotary Positive Displacement Pumps    |             |  |
| S. No.  | Vendor  | Country                               | Remark/Note |  |
| 1       | Boneman                                       | Germany                               | On Hold-B1  |  |
| 2       | Viking Pump, Inc.                             | USA                                   |             |  |
| 3       | Ingersoll / Dresser Intl.                     | USA                                   | On Hold-B1  |  |
| 4       | Seepex Germany                                | Germany                               |             |  |
| 5       | Netsch Pumpen & Systeme GmbH                  | Germany                               |             |  |
| Product | 27  | Reciprocating Plunger Pumps           |             |  |
| S. No.  | Vendor  | Country                               | Remark/Note |  |
| 1       | DMW Corporation                               | Japan                                 |             |  |
| 2       | WEPUKO Hydraulic GMBH                         | Germany                               |             |  |
| 3       | RAM PUMPS LTD.                                | UK                                    |             |  |
| 4       | Clyde Union Canada Limited                    | Canada                                |             |  |
| 5       | Peroni Pompe SpA                              | Italy                                 |             |  |
| Product | 28  | Vacuum Pumps                          |             |  |
| S. No.  | Vendor  | Country                               | Remark/Note |  |
| 1       | Nash  | USA                                   | On Hold-B1  |  |
| 2       | Busch GVT Ltd                                 | UK                                    |             |  |
| 3       | Edwards Ltd                                   | United Kingdom                        |             |  |
| Product | 29  | Process Gas Compressor (PGC)- API 617 |             |  |
| S. No.  | Vendor  | Country                               | Remark/Note |  |
| 1       | KHI   | Japan                                 |             |  |
| 2       | Dresser Rand                                  | USA                                   |             |  |
| 3       | Cooper Energy Services                        | USA                                   | On Hold-B1  |  |
| 4       | Man Energy Solution SE                        | Germany                               |             |  |
| 5       | Ebara Corporation                             | Japan                                 |             |  |



|                |   |                             |  |
|----------------|---|-----------------------------|--|
| 6              | Solar Turbines Inc.                       | USA                         |  |
| 7              | Demag-De Laval (Siemens AG, Germany)      | Germany                     |  |
| 8              | Nuovo Pignone S.p.A (GE Group of Company) | Italy                       |  |
| <b>Product</b> | <b>30</b>                                 | <b>Gas Turbine- API 616</b> |  |
| <b>S. No.</b>  | <b>Vendor</b>                             | <b>Country</b>              | <b>Remark/Note</b>   |
| 1              | General Electric                          | USA                         |  |
| 2              | Rolls-Royce                               | UK                          |  |
| 3              | Alstom, UK (M/s Siemens AG, Germany)      | Germany                     | <p>1) CT1 and CT2 blade MOC for SGT 400 Gas Turbine shall be INCO 6203 DS.</p> <p>2) Whenever H2S level is 600 ppm or more in fuel gas composition, SGT 400 Gas Turbine shall be supplied with Gold plated C-seal burners.</p> |
| 4              | Solar Turbines                            | USA                         |  |
| 5              | Nuovo Pignone International S.r.l.        | Italy                       |  |
| <b>Product</b> | <b>31</b>                                 | <b>CO2 Snuffing System</b>  |  |
| <b>S. No.</b>  | <b>Vendor</b>                             | <b>Country</b>              | <b>Remark/Note</b>   |
| 1              | New Age Industries, Mumbai                | India                       |  |
| 2              | Newage Fire Protection Engineers Pvt Ltd  | India                       |  |

| Product | 32   | Air Cooled Heat Exchanger   |             |  |
|---------|--|---|-------------|--|
| S. No.  | Vendor   | Country   | Remark/Note |  |
| 1       | GEA Energy Systems India Ltd.                            | India   | On Hold-B1  |  |
| 2       | GEI Industrial Systems Ltd                               | India   |             |  |
| 3       | L&T Ltd  | India   |             |  |
| 4       | Paharpur Cooling Towers                                  | India   |             |  |
| 5       | Bharat Heavy Plates & Vessels                            | India   |             |  |
| 6       | Bukit Fraser Thermal Technology Sdn Bhd                  | Malaysia  |             |  |
| 7       | BGR Energy Systems                                       | India   |             |  |
| 8       | Jord Malaysia Sdn Bhd                                    | Malaysia  |             |  |
| 9       | Patels Airtemp (India) Limited                           | India   |             |  |
| 10      | Enginemates Heat Transfer Pvt. Ltd                       | India   |             |  |
| Product | 33   | Waste Heat Exchangers / Waste Heat Recovery Unit-WHRU   |             |  |
| S. No.  | Vendor   | Country   | Remark/Note |  |
| 1       | Bharat Heavy Plates & Vessels                            | India   | On Hold-B1  |  |
| 2       | Thermax Babcock & Wilcox Energy Solutions Limited        | India   |             |  |
| 3       | Citech Energy Recovery System Malaysia Sdn Bhd           | Malaysia  |             |  |
| Product | 34   | Demisters   |             |  |
| S. No.  | Vendor   | Country   | Remark/Note |  |
| 1       | Evergreen Technologies Pvt. Ltd                          | India   |             |  |
| 2       | Continental Profiles Ltd                                 | India   |             |  |
| 3       | Pace Engg Industries, Mumbai                             | India   |             |  |
| Product | 35   | Nitrogen Generator-Packaged Item (Membrane/Air Compressor OEM or Authorised by Membrane/Air Compressor OEM) |             |  |
| S. No.  | Vendor   | Country   | Remark/Note |  |
| 1       | Atlas Copco Air & Gas Purification (Membrane & PSA Type) | Netherlands   |             |  |
| 2       | Air Pack (Membrane)                                      | Netherlands   |             |  |
| 3       | Parkar Hannifin Corporation (Membrane & PSA Type)        | USA   |             |  |
| 4       | Air Liquide (Membrane)                                   | France  |             |  |
| 5       | Bellelli Engineering S.p.A (Membrane & PSA Type)         | Italy   |             |  |
| 6       | Sinergia Srl (Membrane Type)                             | Italy   |             |  |
| 7       | Sinergia Srl (PSA type)                                  | Italy   |             |  |
| 8       | Firscomp Co., Ltd (Membrane & PSA Type)                  | Korea   |             |  |

| Product | 36  | Blow Case for Sump Caisson                                   |             |  |
|---------|---|--|-------------|--|
| S. No.  | Vendor  |  | Country     | Remark/Note  |
| 1       | ESI   |  | USA         |  |
| 2       | ENVIRO-TECH SYSTEMS L.L.C   |  | USA         |  |
| Product | 37  | Water Maker  |             |  |
| S. No.  | Vendor  |  | Country     | Remark/Note  |
| 1       | MEMBRANE SRL, (RO Type)   |  | Italy       |  |
| 2       | AQUA - CHEM (RO & Vapour Compression Type)  |  | USA         |  |
| 3       | MECO (Vapour Compression Type)  |  | USA         |  |
| 4       | Rochem Separator System (India) Pvt. Ltd.   |  | India       |  |
| 5       | Alfa Laval Copenhagen A/S (Vapour Compression type)   |  | Denmark     |  |
| 6       | ITT C'treat LLC (RO Type)   |  | USA         |  |
| 7       | Hatenboer-Water BV (RO Type)  |  | Netherlands |  |
| 8       | QUANTUM INGENIERIA EUROPEA, S.L., (Reverse Osmosis Type)  |  | Spain       |  |
| Product | 38  | ATF Handling Pump  |             |  |
| S. No.  | Vendor  |  | Country     | Remark/Note  |
| 1       | Blackmer (A Dover Resources Company)  |  | USA         |  |
| Product | 39  | GDU (Gas De-hydration Unit)-Packaged Item (Process Licensor) |             |  |
| S. No.  | Vendor  |  | Country     | Remark/Note  |
| 1       | Cameron Manufacturing (India) Pvt Ltd   |  | India       |  |
| 2       | Global Process Systems Sdn Bhd  |  | Malaysia    |  |
| 3       | Frames Process Systems, BV  |  | Netherlands |  |
| 4       | GasTech Engineering LLC   |  | USA         |  |
| 5       | Process Group   |  | Australia   |  |
| 6       | Innovative Synergy Solutions Sdn Bhd  |  | Malaysia    |  |
| 7       | Bliss Anand Private Limited<br>(In Technical License Agreement with M/s GasTech Engineering LLC, USA) |  | India       | Enlisted under technical license agreement with M/s GasTech Engineering LLC USA, valid upto 12.02.2029 as a process licensee, subject to endorsement of all design documents by licensor Gastech Engineering LLC, USA. |

|         |  |   |             |
|---------|--|---|-------------|
| Note    | Fabricator for the above Vessels to be selected from one of those Vendors listed in the Suggested Vendor List under item "Fabricator of Pressure Vessels"(Product SI No.3). Any fabricator other than as stipulated in SI. No. 3, selected shall be ASME 'U' code stamp authorized fabricator with proven PTR (Past Track Record) of minimum two years of offshore experience and shall be fabricating in the last ten years. Necessary documents are to be submitted / incorporated in Purchase Specification (PS) for review of company. |   |             |
| Product | 40   | GSU (Gas Sweetening Unit)-Packaged Item (Process Licensors) |             |
| S. No.  | Vendor   | Country   | Remark/Note |
| 1       | Cameron Manufacturing (India) Pvt Ltd  | India   |             |
| Note    | Fabricator for the above Vessels to be selected from one of those Vendors listed in the Suggested Vendor List under item "Fabricator of Pressure Vessels"(Product SI No.3). Any fabricator other than as stipulated in SI. No. 3, selected shall be ASME 'U' code stamp authorized fabricator with proven PTR (Past Track Record) of minimum two years of offshore experience and shall be fabricating in the last ten years. Necessary documents are to be submitted / incorporated in Purchase Specification (PS) for review of company. |   |             |
| Product | 41   | HP & LP Flare System  |             |
| S. No.  | Vendor   | Country   | Remark/Note |
| 1       | Zeeco Inc.   | USA   |             |
| 2       | GBA Engineering & Construction Ltd.  | UK  |             |
| 3       | Callidus Technologies  | USA   |             |
| 4       | Argo Flare Service Ltd   | UK  |             |
| 5       | Flareon Inc  | Malaysia  |             |
| 6       | Flare Industries   | USA   |             |
| Product | 42   | Travelling Bridge Crane                                     |             |
| S. No.  | Vendor   | Country   | Remark/Note |
| 1       | ICON Engineering LLP   | India   |             |
| 2       | STAHL Crane Systems GmbH   | Germany   |             |
| 3       | Safex Energy Pvt Ltd   | India   |             |
| Product | 43   | Jet Fuel System   |             |
| S. No.  | Vendor   | Country   | Remark/Note |
| 1       | Wilmax Engineering Pte. Ltd.   | Singapore   |             |
| 2       | IMENCO AS  | Norway  |             |

| Product | 44   | Diesel Centrifuge  |                  |   |
|---------|--|--|------------------|---|
| S. No.  | Vendor   |  | Country          | Remark/Note                                       |
| 1       | Alfa Lavel Mid Europe GmbH   |  | Germany / India* |   |
| 2       | GEA Westfalia Separator Systems GmbH   |  | Germany          |   |
| Note    | * Vendor is required to fulfil requirement of Note 5(a) of SVL for future supplies |  |                  |   |
| Product | 45   | Monorail Hoist (Manually Operated Geared Trolley with Electric Hoist)      |                  |   |
| S. No.  | Vendor   |  | Country          | Remark/Note                                       |
| 1       | ICON Engineering LLP   |  | India            |   |
| 2       | STAHL Crane Systems GmbH   |  | Germany          |   |
| 3       | Safex Engineers Pvt. Ltd.  |  | India            |   |
| Product | 46   | Filters & Filter Coalescers  |                  |   |
| S. No.  | Vendor   |  | Country          | Remark/Note                                       |
| 1       | Multitex Filtration Engineers Limited  |  | India            |   |
| 2       | Bea Technologies Spa   |  | Italy            |   |
| 3       | Sulzer Chemtech AG   |  | Switzerland      |   |
| 4       | Petromar Engineered Solutions Pvt Ltd  |  | India            |   |
| Product | 47   | Air/Natural Gas Operated Double Diaphragm Pumps                            |                  |   |
| S. No.  | Vendor   |  | Country          | Remark/Note                                       |
| 1       | WARREN RUPP INC  |  | USA              |   |
| Product | 48   | Natural Gas Compressors (For Low Pressure Application) - API 618 / API 619 |                  |   |
| S. No.  | Vendor   |  | Country          | Remark/Note                                       |
| 1       | Howden Compressors Ltd. (Screw Compressor only)                                    |  | UK               |   |
| 2       | IHI  |  | Japan            |   |
| Product | 49   | Hot Oil Pump   |                  |   |
| S. No.  | Vendor   |  | Country          | Remark/Note                                       |
| 1       | DMW Corporation  |  | Japan            |   |
| 2       | Flowserve India Controls Pvt. Ltd.   |  | India            |   |
| 3       | Arai Pump Manufacturing Co. Ltd.   |  | Japan            |   |
| 4       | Weir Gabbioneta Srl  |  | Italy            |   |
| 5       | KSB Limited  |  | India            | <b>Banned Firms</b><br>(15.03.2024 to 14.03.2026) |

| Safety  |   |  |             |
|---------|---|--|-------------|
| Product | 1   | Dry Chemical Powder Skid   |             |
| S. No.  | Vendor  | Country  | Remark/Note |
| 1       | Tyco Fire Products LP (Tyco Fire Protection Products)   | USA  |             |
| 2       | Wormald   | USA  | On Hold- B1 |
| 3       | Vijay Fire Vehicles & Pumps Ltd   | India  |             |
| Product | 2   | Portable Fire Extinguishers  |             |
| S. No.  | Vendor  | Country  | Remark/Note |
| 1       | Doopley Fire System Inc.  | USA  | On Hold- B1 |
| 2       | Zeneth Fire Services, Mumbai  | India  |             |
| 3       | SHM Products Private Limited, Mumbai  | India  | Trader      |
| 4       | Nitin Fire Protection Ind.Ltd   | India  |             |
| Product | 3   | Life Preservers (Life Jackets, Life Ring Buoys) Inflatable Life Rafts,First Aid Kits, , Fire Blanket, Fireman's outfit, Breathing equipment,Stretcher, Personnel, Baskets, Scramble nets |             |
| S. No.  | Vendor  | Country  | Remark/Note |
| 1       | Billy Pugh Co. Inc. (Personnel Basket, Work Vest, Wind Socks, Swing Ropes, Stretcher, Ring Buoys, Scramble Net) | USA  |             |
| 2       | Galvanisers India   | India  |             |
| 3       | SHM Products Private Limited, Mumbai  | India  | Trader      |
| 4       | Unicare Emergency Eqpt Pvt Ltd , Mumbai (Life Buoy, Life Jacket)  | India  |             |
| 5       | Eastern Shipchandlers   | India  | Trader      |
| 6       | Besto Life Saving (Life Jackets)  | The Netherlands  |             |
| 7       | Viking Life-Saving Equipment Pte. Ltd (Life Raft, Work Vest, Life Jacket)                                       | Singapore  |             |
| 8       | Solas Marine Services Co., LLC  | UAE  | Trader      |
| 9       | Vijay Sabre Safety Pvt. Ltd., (Only for Breathing Apparatus Set)  | India  |             |

|                |   |  |                |                    |
|----------------|---|--|----------------|--------------------|
| <b>Product</b> | <b>4</b>  | <b>Breathing Air Compressor</b>  |                |                    |
| <b>S. No.</b>  | <b>Vendor</b>   |  | <b>Country</b> | <b>Remark/Note</b> |
| 1              | Aerotecnica Coltri Spa  |  | Italy          |                    |
| <b>Product</b> | <b>5</b>  | <b>Eye Wash &amp; Safety Shower</b>  |                |                    |
| <b>S. No.</b>  | <b>Vendor</b>   |  | <b>Country</b> | <b>Remark/Note</b> |
| 1              | Unicare Emergency Equipment, Mumbai.  |  | India          |                    |
| 2              | Nippon Encon. MFG.Co.Ltd.   |  | Japan          |                    |
| <b>Product</b> | <b>6</b>  | <b>Helicopter Rescue Kit</b>   |                |                    |
| <b>S. No.</b>  | <b>Vendor</b>   |  | <b>Country</b> | <b>Remark/Note</b> |
| 1              | Bristol Uniform Ltd., Bristol (Fire Protective clothing)  |  | UK             |                    |
| 2              | Doopley Fire Systems Inc.   |  | USA            | On Hold- B1        |
| 3              | Joseph Leslie & Co.Mumbai (Helmet, Safety Lamps, Fire Protective Clothing, Gloves,Fireman outfit) |  | India          |                    |
| 4              | Solas Marine Services Co., LLC  |  | UAE            | Trader             |
| <b>Product</b> | <b>7</b>  | <b>Personnel Protection Equipment from H2S Exposure</b>                      |                |                    |
| <b>S. No.</b>  | <b>Vendor</b>   |  | <b>Country</b> | <b>Remark/Note</b> |
| 1              | Dooley Fire Systems Inc.  |  | USA            | On Hold- B1        |
| 2              | Nohmi Fire Safety Equipt.Co.  |  | USA            | On Hold- B1        |
| 3              | Drager Aktiengesell Schaft  |  | Germany        |                    |
| <b>Product</b> | <b>8</b>  | <b>Survival Craft</b>  |                |                    |
| <b>S. No.</b>  | <b>Vendor</b>   |  | <b>Country</b> | <b>Remark/Note</b> |
| 1              | Palfinger Marine Safety AS  |  | Norway         |                    |
| 2              | Norsafe   |  | Norway         |                    |
| <b>Product</b> | <b>9</b>  | <b>Clean Agent System</b>  |                |                    |
| <b>S. No.</b>  | <b>Vendor</b>   |  | <b>Country</b> | <b>Remark/Note</b> |
| 1              | Nitin Fire Protection India Ltd.(HFC 227ea-FM200)   |  | India          |                    |
| 2              | Tyco Fire Suppression & Building Products (Sapphire System-Novec 1230)                            |  | US             |                    |
| 3              | Kidde Fire Protection (Novec 1230)  |  | UK             |                    |
| <b>Product</b> | <b>10</b>   | <b>Water Mist &amp; CAF Fire Extinguisher Trolley Mounted (Capacity-50L)</b> |                |                    |
| <b>S. No.</b>  | <b>Vendor</b>   |  | <b>Country</b> | <b>Remark/Note</b> |
| 1              | Aska Equipments Ltd   |  | India          |                    |

| Instrumentation |  |                                    |               |             |
|-----------------|--|------------------------------------|---------------|-------------|
| Product         | 1  | Pressure Gauges                    |               |             |
| S. No.          | Vendor   |                                    | Country       | Remark/Note |
| 1               | Budenberg Gauge Co. Ltd.   |                                    | UK            |             |
| 2               | Wika Alexander Wiegand SE & Co. KG, Germany & Wika Instruments India Pvt. Limited, India |                                    | Germany/India |             |
| 3               | Aschcroft  |                                    | USA           |             |
| 4               | Ametek   |                                    | USA           |             |
| 5               | Manometer  |                                    | India         |             |
| 6               | Gauges Bourdon (India) Pvt Ltd   |                                    | India         |             |
| 7               | Baumer Technologies India Pvt Ltd  |                                    | India         |             |
| 8               | ITT Barton   |                                    | USA           |             |
| 9               | Thermal Instrument India Pvt. Ltd.   |                                    | India         |             |
| 10              | Goa Instruments Industries Private Limited   |                                    | India         |             |
| Product         | 2  | Diff. Pressure Gauges & Indicators |               |             |
| S. No.          | Vendor   |                                    | Country       | Remark/Note |
| 1               | Budenberg Gauge Co. Ltd  |                                    | UK            |             |
| 2               | Wika Alexander Wiegand SE & Co. KG, Germany & Wika Instruments India Pvt. Limited, India |                                    | Germany/India |             |
| 3               | Burdon   |                                    | France        |             |
| 4               | Cameron Technology UK Ltd  |                                    | UK            |             |
| 5               | Meriam Process Technologies  |                                    | USA           |             |
| 6               | Aschcroft  |                                    | USA           |             |
| 7               | Gauges Bourdon (India) Pvt Ltd   |                                    | India         |             |
| 8               | Baumer Technologies India Pvt Ltd  |                                    | India         |             |
| 9               | ITT Barton   |                                    | USA           |             |
| 10              | Thermal Instrument India Pvt. Ltd.   |                                    | India         |             |
| Product         | 3  | Telemetry Interface Cabinet        |               |             |
| S. No.          | Vendor   |                                    | Country       | Remark/Note |
| 1               | Fabricons Technocrat Solutions Pvt. Ltd.   |                                    | India         |             |
| 2               | Yokogawa   |                                    | Japan/India   |             |
| 3               | e-production solution  |                                    | USA           | On Hold-B1  |
| 4               | Elec. Mech. Corporation, Mumbai  |                                    | India         |             |



| Product | 4   | Well Fire Shutdown Panel & Test Separator Shutdown Panel-Packaged Item |             |
|---------|---|--|-------------|
| S. No.  | Vendor  | Country  | Remark/Note |
| 1       | e-production solution   | USA  | On Hold-B1  |
| 2       | WT Petrotech  | USA  |             |
| 3       | Controls and Electrics (Boustead) Pte Ltd                                       | Singapore  |             |
| 4       | Wormald   | UK   | On Hold-B3  |
| 5       | S.A.Technologies Pte.Ltd  | Singapore  |             |
| 6       | Wilmax Controls System Pte.Ltd  | Singapore  |             |
| 7       | Frames Energy Systems   | Netherlands  |             |
| 8       | Sulaiman Petrotech ME FZE   | UAE  |             |
| 9       | Haven Automation  | Singapore  |             |
| 10      | Proserv Middle East   | UAE  |             |
| 11      | Petronash FZE, Dubai  | UAE  |             |
| 12      | Bliss Anand Pvt. Ltd  | India  |             |
| 13      | Inrada Oil & Gas  | Netherlands  |             |
| 14      | Trisystems Engineering Sdn Bhd - for limited purpose of <b>Smart Platforms.</b> | Malaysia   |             |
| 15      | Control and Electrics System Manufacturing Ltd                                  | UAE  |             |
| Product | 5   | Distributed Control System (DCS)                                       |             |
| S. No.  | Vendor  | Country  | Remark/Note |
| 1       | Foxboro (Invensys)  | USA, India   |             |
| 2       | Toshiba   | Japan  |             |
| 3       | Honeywell Automation India Ltd (HAIL)   | India  |             |
| 4       | Yokogawa  | Japan  |             |
| 5       | Emerson Process Management  | USA/UK/ Singapore/ India   |             |
| 6       | Yokogawa India Ltd  | India  |             |
| 7       | ABB   | USA, India   |             |
| 8       | Siemens AG  | Germany  |             |
| Product | 6   | Pneumatic Pressure Switch/HI-LO Pilots (Indicating dial type)          |             |
| S. No.  | Vendor  | Country  | Remark/Note |
| 1       | e-Productions solution  | USA  | On Hold-B1  |
| 2       | WT Petrotech  | USA/BATAM  |             |

|                |   |  |                    |
|----------------|---|--|--------------------|
| 3              | Halliburton Energy  | USA  |                    |
| 4              | Ruelco  | USA  |                    |
| <b>Product</b> | <b>7</b>  | <b>Pressure Switches (Explosion Proof)</b>   |                    |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>                               | <b>Remark/Note</b> |
| 1              | SOR   | USA  |                    |
| 2              | ITT Neo Dyn   | USA  |                    |
| 3              | Aschcroft   | USA  |                    |
| 4              | Yokogawa  | Japan  |                    |
| 5              | Delta Mobrey Limited  | UK   |                    |
| 6              | e-Productions solution  | USA  | On Hold-B1         |
| 7              | Dag Process   | India  | On Hold-B3         |
| 8              | United Electric Control   | USA  |                    |
| 9              | Pyropress Engineering Company Ltd.  | UK   |                    |
| <b>Product</b> | <b>8</b>  | <b>Pressure Relief Valves (PRV)</b>          |                    |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>                               | <b>Remark/Note</b> |
| 1              | Sapag – Alshtom   | France                                       | On Hold-B1         |
| 2              | Tyco Flow Control   | UK/USA                                       | On Hold-B1         |
| 3              | Fukui   | Japan  |                    |
| 4              | Farris Engineering- A division of Curtiss-Wright Flow Control Corporation, USA) | USA  |                    |
| 5              | Anderson Greenwood Crosby Sanmar Ltd. (All MOC's except Hastalloy and Titanium) | India  |                    |
| 6              | Triangle (Tyco Flow Control )   | UK   | On Hold-B1         |
| 7              | Ham-Let Advanced Control Technology   | Israel                                       |                    |
| 8              | Safety System   | UK   | On Hold-B1         |
| 9              | Bliss Anand Pvt. Ltd  | India  |                    |
| 10             | LESER Gmbh & Co. KG   | Germany                                      |                    |
| 11             | Fainger Leser Valves Pvt.Ltd.   | India  |                    |
| <b>Product</b> | <b>9</b>  | <b>Pressure Indicating Controllers (PIC)</b> |                    |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>                               | <b>Remark/Note</b> |
| 1              | Yokogawa  | Japan  |                    |
| 2              | Emerson Process Management (Fisher)   | UK/USA                                       |                    |
| 3              | Foxboro   | USA  |                    |

|                |   |  |                    |
|----------------|---|--|--------------------|
| 4              | Bristol Babcock   | USA  |                    |
| 5              | ITT Barton  | USA  | On Hold-B1         |
| <b>Product</b> | <b>10</b>   | <b>Large Case Field Recorders</b>  |                    |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>   | <b>Remark/Note</b> |
| 1              | Foxboro   | USA  |                    |
| 2              | Cameron Technology UK Ltd.                                      | UK   |                    |
| 3              | Yokogawa  | Japan  |                    |
| 4              | Bristol Babcock   | USA  |                    |
| 5              | ITT Barton  | USA  | On Hold-B1         |
| <b>Product</b> | <b>11</b>   | <b>Field Pneumatic Integrators</b>   |                    |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>   | <b>Remark/Note</b> |
| 1              | Yokogawa  | Japan  |                    |
| <b>Product</b> | <b>12</b>   | <b>Gauge Glass &amp; Cocks</b>   |                    |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>   | <b>Remark/Note</b> |
| 1              | Jerguson Gauge & Valve Company                                  | USA  |                    |
| 2              | Penburty  | USA  | On Hold-B1         |
| 3              | Technomatic   | India  |                    |
| 4              | Protolina, Mumbai   | India  |                    |
| 5              | Chemtrols Samil India Pvt Ltd                                   | India  |                    |
| 6              | Daniels   | USA  | On Hold-B1         |
| 7              | Bliss Anand Private Limited                                     | India  |                    |
| 8              | Levcon  | India  |                    |
| 9              | Samil   | South Korea  |                    |
| 10             | Gauges Bourdon India Pvt Ltd                                    | India  |                    |
| <b>Product</b> | <b>13</b>   | <b>Level Instruments- Pneumatic (Level- controls &amp; Level Switches)</b> |                    |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>   | <b>Remark/Note</b> |
| 1              | Magnetrol International NV (Only Level Switches)                | Belgium  |                    |
| 2              | Dresser Maseneilan (Only Level Controls)                        | USA  |                    |
| 3              | S.O.R. (Only Level Switches)                                    | USA  |                    |
| 4              | e-Productions solution (Weatherford Production)                 | USA  | On Hold-B1         |
| 5              | Chemtrols (Only Level Switches)                                 | India  | On Hold-B3         |
| 6              | GE Oil & Gas India Pvt. Ltd (Displacer Type Level Transmitters) | India  |                    |
| 7              | Dresser Maseneilan  | France   |                    |

|                |  |  |                    |
|----------------|--|--|--------------------|
| 8              | Eckardt  | West Germany   | On Hold-B3         |
| <b>Product</b> | <b>14</b>  | <b>Level Switches (Explosion Proof)</b>              |                    |
| <b>S. No.</b>  | <b>Vendor</b>  | <b>Country</b>                                       | <b>Remark/Note</b> |
| 1              | S.O.R.   | USA  |                    |
| 2              | Tokyo Keiso  | Japan  |                    |
| 3              | Magnetrol  | Belgium  |                    |
| 4              | Chemtrol Samil India Pvt Ltd   | India  |                    |
| 5              | Dag Process  | India  | On Hold-B3         |
| 6              | Pyropress Engineering Company Ltd.   | UK   |                    |
| <b>Product</b> | <b>15</b>  | <b>Pressure Transmitters(PT) / P to I Converters</b> |                    |
| <b>S. No.</b>  | <b>Vendor</b>  | <b>Country</b>                                       | <b>Remark/Note</b> |
| 1              | Emerson Process Management / Emerson Process Management India Private Limited (Rosemount make) | USA/UK/Singapore/India                               |                    |
| 2              | ABB Limited  | India  |                    |
| 3              | Yokogawa / Yokogawa India Limited  | Japan/India  |                    |
| 4              | Honeywell / Tata Honeywell   | USA/India  |                    |
| 5              | ABB-Kent   | UK   |                    |
| 6              | Instrumentation Ltd. Kota (PT only)  | India  |                    |
| 7              | Pyropress Engineering Company Ltd.   | UK   |                    |
| <b>Product</b> | <b>16</b>  | <b>Solenoid Valves</b>                               |                    |
| <b>S. No.</b>  | <b>Vendor</b>  | <b>Country</b>                                       | <b>Remark/Note</b> |
| 1              | ASCO   | USA  |                    |
| 2              | Maxseal (IMI Norgren Herion Ltd.)  | UK   |                    |
| 3              | Skinner (Parker)   | USA  |                    |
| 4              | Blakeborough (Weir Valve and Control )   | UK   |                    |
| 5              | Herion (IMI Norgren Herion Ltd.)   | Germany  |                    |
| 6              | Bifold Fluid Power Limited   | UK   |                    |
| 7              | Versa Products Company, Inc  | USA  |                    |
| 8              | Rotex Automation Limited   | India  |                    |
| <b>Product</b> | <b>17</b>  | <b>Turbine Flow Meters</b>                           |                    |
| <b>S. No.</b>  | <b>Vendor</b>  | <b>Country</b>                                       | <b>Remark/Note</b> |
| 1              | Daniel OpCo LLC (Daniel Measurement and Control)   | USA  |                    |

|                |  |                                 |                    |
|----------------|--|---------------------------------|--------------------|
| 2              | Flow Tech.   | USA                             |                    |
| 3              | FMC Smith Meters Inc   | USA                             |                    |
| 4              | Cameron Flow Control Technology (UK) Ltd.  | U.K                             |                    |
| 5              | Bopp & Reuther   | Germany                         |                    |
| 6              | Faure Herman (For Liquid only)   | France                          |                    |
| 7              | Rockwin Flowmeter India Pvt. Limited   | India                           |                    |
| <b>Product</b> | <b>18</b>  | <b>Temperature Transmitters</b> |                    |
| <b>S. No.</b>  | <b>Vendor</b>  | <b>Country</b>                  | <b>Remark/Note</b> |
| 1              | Emerson Process Management / Emerson Process Management India Private Limited (Rosemount make) | USA/UK/Singapore/India          |                    |
| 2              | Yokogawa/ Yokogawa India Limited   | Japan / India                   |                    |
| 3              | ABB-Kent   | UK                              |                    |
| 4              | Honeywell Automation, India Ltd  | India                           |                    |
| 5              | Fuji   | Japan                           |                    |
| 6              | Pyropress Engineering Company Ltd.   | UK                              |                    |
| <b>Product</b> | <b>19</b>  | <b>Temperature Gauges</b>       |                    |
| <b>S. No.</b>  | <b>Vendor</b>  | <b>Country</b>                  | <b>Remark/Note</b> |
| 1              | Aschcroft  | USA                             |                    |
| 2              | Nagano Keiki   | Japan                           |                    |
| 3              | A.N. Instruments   | India                           | <b>On Hold-B3</b>  |
| 4              | Gauges Bourdon (India) Pvt Ltd   | India                           |                    |
| 5              | Wika Alexander Wiegand SE & Co. KG, Germany & Wika Instruments India Pvt. Limited, India       | Germany/India                   |                    |
| 6              | Baumer Technologies India Pvt Ltd  | India                           |                    |
| 7              | Goa Instruments Industries Pvt Ltd   | India                           |                    |
| 8              | Thermal Instrument India Pvt. Ltd.   | India                           |                    |
| <b>Product</b> | <b>20</b>  | <b>ESD &amp; FSD Valves</b>     |                    |
| <b>S. No.</b>  | <b>Vendor</b>  | <b>Country</b>                  | <b>Remark/Note</b> |
| 1              | e-Productions solution (Weatherford Production)  | USA                             | <b>On Hold-B1</b>  |
| 2              | Sigma  | USA                             |                    |
| 3              | Versa Products Company Inc.  | USA                             |                    |

| Product | 21   | Temperature Switches                              |         |             |
|---------|--|---|---------|-------------|
| S. No.  | Vendor   |   | Country | Remark/Note |
| 1       | Delta Mobrey Limited                             |   | UK      |             |
| 2       | NAGANO-KEIKI                                     |   | Japan   |             |
| 3       | SOR  |   | USA     |             |
| 4       | ITT, Snider                                      |   | Germany |             |
| 5       | Aschcroft  |   | USA     |             |
| 6       | ASCO   |   | USA     |             |
| 7       | United Electric Control                          |   | USA     |             |
| 8       | Pyropress Engineering Company Ltd.               |   | UK      |             |
| Product | 22   | Fusible Plugs                                     |         |             |
| S. No.  | Vendor   |   | Country | Remark/Note |
| 1       | e-Productions solution                           |   | USA     | On Hold-B1  |
| 2       | Sigma  |   | USA     |             |
| 3       | Ruelco   |   | USA     |             |
| Product | 23   | Orifice Plates & Flanges and Restriction Orifices |         |             |
| S. No.  | Vendor   |   | Country | Remark/Note |
| 1       | Daniel OpCo LLC (Daniel Measurement and Control) |   | USA     |             |
| 2       | ABB Limited                                      |   | India   |             |
| 3       | Micro Precision, Faridabad                       |   | India   |             |
| 4       | Minco (India) Pvt. Ltd                           |   | India   |             |
| 5       | Rank Controls Instruments Pvt. Ltd               |   | India   |             |
| 6       | Flow Metering Company Ltd                        |   | UK      |             |
| 7       | Minco (India) Flow Elements Pvt. Ltd             |   | India   |             |
| 8       | Dynafluid Valves and Flow Controls Pvt. Ltd      |   | India   |             |
| Product | 24   | Senior,Junior, Simplex Orifice Fittings           |         |             |
| S. No.  | Vendor   |   | Country | Remark/Note |
| 1       | Daniel OpCo LLC (Daniel Measurement and Control) |   | USA     |             |
| 2       | Flow Metering Company Ltd                        |   | UK      |             |
| 3       | Petrol Valves S.r.l                              |   | Italy   |             |
| 4       | Canalta Controls Ltd.                            |   | Canada  |             |
| Product | 25   | Filter Regulators                                 |         |             |
| S. No.  | Vendor   |   | Country | Remark/Note |
| 1       | Shavo Norgren (India) Private Limited            |   | India   |             |

|                |   |   |                    |
|----------------|---|---|--------------------|
| 2              | Emerson Process Management/<br>Emerson Process Management India<br>Private Limited (Make - ASCO Numatics<br>(India) Pvt. Limited) | UK/Singapore/India                                |                    |
| 3              | Dresser Masoneilon  | USA   |                    |
| 4              | ABB Limited   | India   |                    |
| 5              | Versatile Controls Ltd  | UK  |                    |
| 6              | GE Oil & Gas India Pvt. Ltd   | India   |                    |
| 7              | Bifold Fluid Power Limited  | UK  |                    |
| 8              | Versa Products Company Inc.   | USA   |                    |
| <b>Product</b> | <b>26</b>   | <b>Flow Switches (Pneumatic &amp; Electrical)</b> |                    |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>                                    | <b>Remark/Note</b> |
| 1              | Magnetrol International NV  | Belgium   |                    |
| 2              | Tokyo Keiso   | Japan   |                    |
| 3              | Yokogawa India Ltd  | India   |                    |
| 4              | Cameron Technology Uk Ltd   | UK  |                    |
| 5              | Pyropress Engineering Company Ltd.  | UK  |                    |
| <b>Product</b> | <b>27</b>   | <b>Control Valves</b>                             |                    |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>                                    | <b>Remark/Note</b> |
| 1              | Fisher Controls   | USA/India   |                    |
| 2              | Dresser Masoneilon  | USA   |                    |
| 3              | ABB – Kent  | UK  |                    |
| 4              | Blakeborough (Weir Valve and Control)   | UK  |                    |
| 5              | CCI   | USA   |                    |
| 6              | KOSO India Private Limited  | India   |                    |
| 7              | GE Oil & Gas India Pvt. Ltd   | India   |                    |
| 8              | KSB MIL Controls Limited  | India   |                    |
| 9              | Richards Industries   | USA   |                    |
| 10             | KOSO Controls   | Singapore   |                    |
| 11             | KOSO Fluid Control Pvt. Ltd.  | India   |                    |
| 12             | Tejas Research & Engineering LP   | Texas, USA.                                       | <b>On Hold-B1</b>  |
| 13             | Severn Glocon Valves Private Limited  | India   |                    |
| 14             | Emerson Process Management Chennai<br>Private Limited   | India   |                    |

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|----------------|---|--|--------------------|
| 15             | Flowserve Corporation, Flow Control Division  | USA  |                    |
| <b>Product</b> | <b>28</b>   | <b>Self Actuated Pressure Control Valves</b>       |                    |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>                                     | <b>Remark/Note</b> |
| 1              | Emerson Process Management Chennai Private Limited  | India  |                    |
| 2              | Dresser Masoneilon  | USA  |                    |
| 3              | ESME (Electrical Steam & Mining Equipment Ltd.)   | UK   |                    |
| 4              | WEIR Valves & Controls Ltd. (Hopkinsons Ltd)  | UK   |                    |
| 5              | GE Oil & Gas India Pvt. Ltd   | India  |                    |
| 6              | Jordan Valve  | USA  |                    |
| <b>Product</b> | <b>29</b>   | <b>Fire and Gas Detection System-Packaged Item</b> |                    |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>                                     | <b>Remark/Note</b> |
| 1              | General Monitors Ireland Ltd.   | Ireland  |                    |
| 2              | Det-tronics   | USA  |                    |
| 3              | Haven Automation  | Singapore  |                    |
| 4              | Nohmi Bosai   | Japan  |                    |
| 5              | Safety Systems  | USA  |                    |
| 6              | ICS Triplex (Rockwell Automation)   | UK   |                    |
| 7              | Yokogawa Industrial Safety Systems  | Malaysia   |                    |
| 8              | Honeywell Automation India Ltd (HAIL)   | India  |                    |
| 9              | Control & Electric Pte. Ltd (Bousted Group)   | Singapore  |                    |
| 10             | Honeywell Analytic  | India/UK   |                    |
| 11             | Autronica Fire & Security (Addressable type for Living Quarter and Technical Buildings)       | Norway   |                    |
| 12             | Scame Sistemi, srl (Addressable Type - open and closed area)                                  | Italy  |                    |
| 13             | Detector Electronics Corporation (Det-Tronics) Inc. (Addressable type - open and closed area) | USA  |                    |
| 14             | Trisystems Engineering Sdn Bhd  | Malaysia   |                    |
| 15             | Control and Electrics System Manufacturing Ltd  | UAE  |                    |



|                |  |  |                    |  |
|----------------|--|--|--------------------|--|
| 14             | Safe-Tronics Automation Pvt. Ltd.                          |  | India              |  |
| <b>Product</b> | <b>30</b>  | <b>Deluge Valve with Test facility</b> |                    |  |
| <b>S. No.</b>  | <b>Vendor</b>  | <b>Country</b>                         | <b>Remark/Note</b> |  |
| 1              | Cla-Val  | USA                                    |                    |  |
| 2              | MIL Inbal Valve Ltd  | Israel                                 |                    |  |
| 3              | Wormald  | Hongkong/Singapore                     | <b>On Hold-B1</b>  |  |
| <b>Product</b> | <b>31</b>  | <b>Water Cut Meter</b>                 |                    |  |
| <b>S. No.</b>  | <b>Vendor</b>  | <b>Country</b>                         | <b>Remark/Note</b> |  |
| 1              | Emerson Process Management (Microwave type)                | USA/UK                                 |                    |  |
| 2              | Weatherford Oil Tool Middle East Ltd. (Near Infrared type) | UAE                                    |                    |  |
| <b>Product</b> | <b>32</b>  | <b>Rotameter</b>                       |                    |  |
| <b>S. No.</b>  | <b>Vendor</b>  | <b>Country</b>                         | <b>Remark/Note</b> |  |
| 1              | AL Flow Glass Equipment                                    | India                                  |                    |  |
| 2              | Tokyo Keiso Co. Ltd  | Japan                                  |                    |  |
| <b>Product</b> | <b>33</b>  | <b>Annubars / Pitot Tubes</b>          |                    |  |
| <b>S. No.</b>  | <b>Vendor</b>  | <b>Country</b>                         | <b>Remark/Note</b> |  |
| 1              | Emerson Process  | USA                                    |                    |  |
| 2              | Intra Automation GMBH                                      | Germany                                |                    |  |
| <b>Product</b> | <b>34</b>  | <b>Instrumentation Fittings</b>        |                    |  |
| <b>S. No.</b>  | <b>Vendor</b>  | <b>Country</b>                         | <b>Remark/Note</b> |  |
| 1              | Swagelok   | USA                                    |                    |  |
| 2              | Circor (HOKE) Instrumentation Ltd                          | USA                                    |                    |  |
| 3              | Parker   | USA/Singapore                          |                    |  |
| 4              | Astec Valves & Fittings Private Limited                    | India                                  |                    |  |
| 5              | DK Tech  | South Korea                            |                    |  |
| 6              | Ham-Let Advanced Control Technology                        | Israel                                 |                    |  |
| 7              | Precision Engineering Industries, Mumbai                   | India                                  |                    |  |
| 8              | Fluid Controls Pvt. Ltd.                                   | India                                  |                    |  |
| 9              | Hy-Lok Corporation   | Korea                                  |                    |  |
| 10             | Panam Engineers Ltd., Mumbai                               | India                                  |                    |  |
| 11             | Allied Engineering Pvt.Ltd (only for SS 316/316L)          | India                                  |                    |  |
| 12             | Havi Engineering India Private Limited                     | India                                  |                    |  |

|                |   |   |                                |                    |
|----------------|---|---|--------------------------------|--------------------|
| 13             | MET-LOK Valves and Fittings<br>(Only for SS316 )  |   | India                          |                    |
| <b>Product</b> | <b>35</b>   | <b>Flow computer (Liquid/Gas)</b>                               |                                |                    |
| <b>S. No.</b>  | <b>Vendor</b>   |   | <b>Country</b>                 | <b>Remark/Note</b> |
| 1              | Emerson Process Management (Daniel Measurement & Control)                                 |   | USA                            |                    |
| 2              | Emerson Process Management, Bristol   |   | USA                            |                    |
| 3              | Cameron Flow Control Technology (UK) Ltd. (for Liquid / Gas)                              |   | UK                             |                    |
| <b>Product</b> | <b>36</b>   | <b>Flow totalizer</b>   |                                |                    |
| <b>S. No.</b>  | <b>Vendor</b>   |   | <b>Country</b>                 | <b>Remark/Note</b> |
| 1              | Cameron Technology UK Ltd.  |   | UK                             |                    |
| 2              | Emerson Process Management (Daniel Measurement & Control)                                 |   | USA                            |                    |
| 3              | Yokogawa  |   | Japan                          |                    |
| 4              | Contrec   |   | Australia                      |                    |
| <b>Product</b> | <b>37</b>   | <b>Ultrasonic flow Meter</b>                                    |                                |                    |
| <b>S. No.</b>  | <b>Vendor</b>   |   | <b>Country</b>                 | <b>Remark/Note</b> |
| 1              | Emerson Process Management (Daniel Measurement & Control)                                 |   | USA/Singapore                  |                    |
| 2              | GE Sensing EMEA, Ireland / GE Oil & Gas India Pvt. Ltd.                                   |   | Ireland / India                |                    |
| 3              | Sick AG   |   | Germany                        |                    |
| <b>Product</b> | <b>38</b>   | <b>Portable Calibrator/Hand Held Multifunctional Calibrator</b> |                                |                    |
| <b>S. No.</b>  | <b>Vendor</b>   |   | <b>Country</b>                 | <b>Remark/Note</b> |
| 1              | Fluke   |   | USA                            |                    |
| 2              | Druck/GE Druck Ltd  |   | UK                             |                    |
| 3              | Beamax  |   | Finland                        |                    |
| <b>Product</b> | <b>39</b>   | <b>Chlorine Analyzer</b>  |                                |                    |
| <b>S. No.</b>  | <b>Vendor</b>   |   | <b>Country</b>                 | <b>Remark/Note</b> |
| 1              | Emerson Process Management  |   | USA                            |                    |
| <b>Product</b> | <b>40</b>   | <b>Dissolved Oxygen Analyzer</b>                                |                                |                    |
| <b>S. No.</b>  | <b>Vendor</b>   |   | <b>Country</b>                 | <b>Remark/Note</b> |
| 1              | Hach Company  |   | USA                            |                    |
| <b>Product</b> | <b>41</b>   | <b>Programmable Logic Controller (PLC)</b>                      |                                |                    |
| <b>S. No.</b>  | <b>Vendor</b>   |   | <b>Country</b>                 | <b>Remark/Note</b> |
| 1              | Yokogawa Industrial Safety Systems, (Prosafe) (only TUV approved applications) (Yokogawa) |   | Malaysia/Japan/<br>Netherlands |                    |

|                |  |  |                    |
|----------------|--|--|--------------------|
| 2              | ABB  | USA/India                                  |                    |
| 3              | Allen Bradley(Rockwell Automation)   | UK   |                    |
| 4              | Siemens  | Germany                                    |                    |
| 5              | ICS Triplex (Rockwell Automation)  |  |                    |
| 6              | Honeywell Automation India Ltd (HAIL)  | India                                      |                    |
| 7              | Hima Paul Hidebrandt GmbH  | Germany                                    |                    |
| 8              | Bristol Babcock (Emerson Process Management)   | Australia                                  |                    |
| 9              | Rockwell, (Only non TUV approved applications)   | India                                      |                    |
| 10             | Triconix (only TUV approved applications) (INVENSYS)   | USA  |                    |
| 11             | Schneider Electric Industries Sdn Bhd  | Malaysia                                   |                    |
| 12             | GE Intelligent Platform inc (only TUV approved application)                                      | USA/India                                  |                    |
| 13             | Yokogawa India Ltd   | India                                      |                    |
| 14             | Emerson Process Management (For Safety PLC)  | USA  |                    |
| <b>Product</b> | <b>42</b>  | <b>Multiphase Flow Meter (MPFM)</b>        |                    |
| <b>S. No.</b>  | <b>Vendor</b>  | <b>Country</b>                             | <b>Remark/Note</b> |
| 1              | Schlumberger   | USA  |                    |
| 2              | mPm, Norway  | Norway                                     |                    |
| 3              | Agar Corporation   | USA  |                    |
| 4              | Emerson SRL  | Romania                                    |                    |
| <b>Product</b> | <b>43</b>  | <b>Coriolis Meter</b>                      |                    |
| <b>S. No.</b>  | <b>Vendor</b>  | <b>Country</b>                             | <b>Remark/Note</b> |
| 1              | Emerson process management / Emerson Process Management India Private Limited (Micromotion make) | USA/India                                  |                    |
| 2              | Heinrichs GmbH   | Germany                                    |                    |
| <b>Product</b> | <b>44</b>  | <b>High pressure Control Valves (HPCV)</b> |                    |
| <b>S. No.</b>  | <b>Vendor</b>  | <b>Country</b>                             | <b>Remark/Note</b> |
| 1              | Dresser Mansoneilan  | USA  |                    |
| 2              | Mokveld  | Holland                                    |                    |

|                |   |  |                    |
|----------------|---|--|--------------------|
| 3              | Fisher Controls   | USA  |                    |
| 4              | Control Component Inc.  | USA  |                    |
| 5              | Kent Process control Ltd  | UK   | On Hold-B1         |
| 6              | WEIR Valves & Controls Ltd  | UK   |                    |
| 7              | GE Oil & Gas India Pvt. Ltd   | India  |                    |
| <b>Product</b> | <b>45</b>   | <b>Level Transmitters</b>                              |                    |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>   | <b>Remark/Note</b> |
| 1              | GE Oil & Gas India Pvt. Ltd. (Displacer Type)                       | India  |                    |
| 2              | Chemtrols Industries Ltd (Displacer Type)                           | India  |                    |
| 3              | Endress+Hauser Germany/India Pvt Ltd (Guided Wave Radar Type)       | Germany/India  |                    |
| 4              | Magnetrol International Inc (Guided Wave Radar Type)                | USA  |                    |
| 5              | Magnetrol International NV (Displacer type)                         | Belgium  |                    |
| 6              | Emerson Process Management (Rosemount) (Guided Wave Radar Type)     | Sweden   |                    |
| 7              | Pyropress Engineering Company Ltd.(Differential Pressure Type)      | UK   |                    |
| 8              | Emerson Process Management Chennai Private Limited (Displacer Type) | India  |                    |
| <b>Product</b> | <b>46</b>   | <b>Isolators &amp; Barriers (Active &amp; Passive)</b> |                    |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>   | <b>Remark/Note</b> |
| 1              | MTL   | India  |                    |
| 2              | P&F   | Germany  |                    |
| <b>Product</b> | <b>47</b>   | <b>Limit Switches</b>                                  |                    |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>   | <b>Remark/Note</b> |
| 1              | Emerson Process Management Valve Automation Inc (BETTIS)            | USA  |                    |
| 2              | Honeywell Automation India Ltd (HAIL)                               | India  |                    |
| <b>Product</b> | <b>48</b>   | <b>HC/H2/H2S Gas Detectors</b>                         |                    |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>   | <b>Remark/Note</b> |
| 1              | Crowcon Detection Instruments                                       | UK   |                    |
| 2              | Det-tronics   | USA  |                    |
| 3              | Drager Safety AG  | UK   |                    |

|                |   |   |                    |
|----------------|---|---|--------------------|
| 4              | General Monitors Ireland Ltd.   | Ireland   |                    |
| 5              | Honeywell International Inc (Honeywell Life Safety),USA/ M/s Honeywell International India Private Limited ("HIPL"),INDIA (Honeywell Analytics) | USA/INDIA   |                    |
| 6              | Detcon Inc. (Addressable & Normal)  | USA   |                    |
| 7              | Detector Electronics Corporation (Det-Tronics) Inc. (For Addressable type)  | USA   |                    |
| 8              | JSC-Electronstandart-Pribor   | Russia  |                    |
| <b>Product</b> | <b>49</b>   | <b>Fire Detectors</b>                                 |                    |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>  | <b>Remark/Note</b> |
| 1              | Crowcon Detection Instruments   | UK  | On Hold-B3         |
| 2              | Det-tronics   | USA   |                    |
| 3              | General Monitors Ireland Ltd.   | Ireland   |                    |
| 4              | Honeywell International Inc (Honeywell Life Safety),USA/ M/s Honeywell International India Private Limited ("HIPL"),INDIA (Fire Sentry)         | USA/INDIA   |                    |
| 5              | Emerson Process Management Net Safety Monitoring Inc (For IR/Triple IR/UV-IR)   | Canada  |                    |
| 6              | Detector Electronics Corporation (Det-Tronics) Inc. (For Addressable type)  | USA   |                    |
| 7              | JSC-Electronstandart-Pribor   | Russia  |                    |
| <b>Product</b> | <b>50</b>   | <b>Smoke / Thermal Detectors</b>                      |                    |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>  | <b>Remark/Note</b> |
| 1              | Apollo Fire Detectors Limited   | UK  |                    |
| 2              | Honeywell International Inc (Honeywell Life Safety),USA/ M/s Honeywell International India Private Limited ("HIPL"),INDIA (System Sensor)       | USA/INDIA   |                    |
| 3              | Autronica Fire & Security (Addressable type for Living Quarter and Technical Buildings)   | Norway  |                    |
| 4              | Detector Electronics Corporation (Det-tronics) (for thermal detectors)  | USA   |                    |
| <b>Product</b> | <b>51</b>   | <b>Manual Call Point, Abandon Switch, Flash Light</b> |                    |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>  | <b>Remark/Note</b> |
| 1              | MEDC  | UK  |                    |

| Product | 52   | Hand Control Valves                 |                 |             |
|---------|--|-------------------------------------|-----------------|-------------|
| S. No.  | Vendor   |                                     | Country         | Remark/Note |
| 1       | Mansoneilan  |                                     | France          |             |
| 2       | Mokveld  |                                     | USA             |             |
| 3       | Fisher Controls  |                                     | USA             |             |
| 4       | Kent Process Control Ltd   |                                     | UK              | On Hold-B1  |
| 5       | KOSO India Private Limited   |                                     | India           |             |
| 6       | Control Component Inc.   |                                     | USA             |             |
| 7       | Hopkinsons Blackborough  |                                     | Dubai           |             |
| Product | 53   | Moisture Analyzer System Integrator |                 |             |
| S. No.  | Vendor   |                                     | Country         | Remark/Note |
| 1       | Chemtrol Engineering Pvt. Ltd., Mumbai<br>(With Amtek make Mositure Analyser)                                |                                     | India           |             |
| Product | 54   | Magnetic Flow Meter                 |                 |             |
| S. No.  | Vendor   |                                     | Country         | Remark/Note |
| 1       | Emerson Process Management,<br>Rosemount Inc.  |                                     | USA             |             |
| 2       | KROHNE AG  |                                     | Switzerland     |             |
| Product | 55   | Actuators for Valves (Topside)      |                 |             |
| S. No.  | Vendor   |                                     | Country         | Remark/Note |
| 1       | AUMA RIESTER GMBH & CO.  |                                     | Germany         |             |
| 2       | BIFFI ITALIA S.R.L   |                                     | ITALY           |             |
| 3       | EIM CONTROLS LTD   |                                     | UK              |             |
| 4       | FLO - TORK INC   |                                     | USA             |             |
| 5       | FLOWERVE LIMITORQUE  |                                     | India           |             |
| 6       | Emerson Process Management Valve<br>Automation Inc (EPM Valve Automation)<br>(A) Shafer Make (B) Bettis Make |                                     | USA             |             |
| 7       | Rotork Controls (India) Ltd.   |                                     | India           |             |
| 8       | Cameron Italy S.R.L  |                                     | Italy           |             |
| 9       | ATC  |                                     | The Netherlands |             |
| 10      | Imtex Controls Limited   |                                     | United Kingdom  |             |
| 11      | DVG AUTOMATION SPA   |                                     | Italy           |             |
| 12      | DeiVal Flow Controls Private Limited   |                                     | India           |             |

|                |  |  |                 |                    |
|----------------|--|--|-----------------|--------------------|
| 13             | Emerson Process Management (India) Private Limited, Bettis Make  |  | India           |                    |
| <b>Product</b> | <b>56</b>  | <b>Actuators for Valves (Subsea)</b>   |                 |                    |
| <b>S. No.</b>  | <b>Vendor</b>  |  | <b>Country</b>  | <b>Remark/Note</b> |
| 1              | ATC  |  | The Netherlands |                    |
| 2              | Emerson Process Management Valve Automation Inc (EPM Valve Automation) (A) Shafer Make (B) Bettis Make |  | USA             |                    |
| 3              | Cameron Ledeen Facility  |  | Italy           |                    |
| 4              | Perar S.P.A.   |  | Italy           |                    |
| <b>Product</b> | <b>57</b>  | <b>Instrumentation Tubing</b>          |                 |                    |
| <b>S. No.</b>  | <b>Vendor</b>  |  | <b>Country</b>  | <b>Remark/Note</b> |
| 1              | AB Sandvik Material Technology   |  | Sweden          |                    |
| 2              | Tubacex Tubos Inoxidables, S.A.  |  | Spain           |                    |
| 3              | Fine Tubes   |  | UK              |                    |
| 4              | Ratnamani Metals & Tubes Ltd   |  | India           |                    |
| 5              | Dong Nam Korea Co. Ltd.  |  | South Korea     |                    |
| 6              | Maxim Tubes Company Pvt. Ltd   |  | India           | # NEW VENDOR       |
| <b>Product</b> | <b>58</b>  | <b>Weather Monitoring System (WMS)</b> |                 |                    |
| <b>S. No.</b>  | <b>Vendor</b>  |  | <b>Country</b>  | <b>Remark/Note</b> |
| 1              | MIROS AS   |  | Norway          |                    |
| <b>Product</b> | <b>59</b>  | <b>Subsea Umbilical</b>                |                 |                    |
| <b>S. No.</b>  | <b>Vendor</b>  |  | <b>Country</b>  | <b>Remark/Note</b> |
| 1              | JDR Cable Systems Ltd  |  | UK              |                    |
| 2              | Fibron BX Limited (Thermoplastic)  |  | UK              |                    |
| 3              | Mfx do brasil equipamentos de petroleo Ltda (Thermoplastic)  |  | Brasil          |                    |
| <b>Product</b> | <b>60</b>  | <b>Wet Gas Meter</b>                   |                 |                    |
| <b>S. No.</b>  | <b>Vendor</b>  |  | <b>Country</b>  | <b>Remark/Note</b> |
| 1              | Emerson process management (Roxar Flow measurement AS)   |  | Norway          |                    |
| <b>Product</b> | <b>61</b>  | <b>Cables (Instrument)</b>             |                 |                    |
| <b>S. No.</b>  | <b>Vendor</b>  |  | <b>Country</b>  | <b>Remark/Note</b> |
| 1              | Brooks   |  | India           |                    |
| 2              | Draka  |  | Spain           |                    |

|                |   |   |                    |
|----------------|---|---|--------------------|
| 3              | Associated Flexible and Wires   | India   |                    |
| 4              | Associated Cables   | India   |                    |
| 5              | KEI Industries Ltd  | India   |                    |
| 6              | Nexans (Kukdong)  | Korea   |                    |
| 7              | Polycabs Wires Pvt. Ltd   | India   |                    |
| 8              | Teldor Cables & Systems Ltd   | Israel  |                    |
| 9              | Radiant - RSCC Specialty Cable Pvt Ltd  | India   |                    |
| 10             | Thermo Cables Ltd   | India   |                    |
| 11             | Cords Cable Industries Ltd  | India   |                    |
| <b>Product</b> | <b>62</b>   | <b>Cone Meter</b>   |                    |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>  | <b>Remark/Note</b> |
| 1              | McCrometer Inc  | USA   |                    |
| 2              | Cameron Flow Control Technology (UK) Ltd.   | UK  |                    |
| <b>Product</b> | <b>63</b>   | <b>HIPPS (High Integrity Pressure Protection System)-<br/>Packaged Item</b> |                    |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>  | <b>Remark/Note</b> |
| 1              | Sella Controls Limited., with components from following vendors:                              | UK  |                    |
|                | 1. M/s HIMA – Logic solver  |   |                    |
|                | 2. M/s ATC – Actuator   |   |                    |
|                | 3. M/s TYCO FCT – SDV subject to submission of corrosion test results before supply of valves |   |                    |
|                | 4. M/s ABB – Pressure Pilots  |   |                    |
|                | 5. M/s Bifold - SOVs  |   |                    |
| 2              | Emerson Process Management India Private Limited., with components from following vendors:    | India   |                    |
|                | 1. Emerson Process management (I) Pvt. Ltd – Logic solver                                     | India   |                    |
|                | 2. Emerson Process Management (Bettis) – Actuators  | Singapore   |                    |
|                | 3. Emerson Process management (I) Pvt. Ltd - Transmitters                                     | India   |                    |
|                | 4. Astava , Netherland – Manifold   | Netherland  |                    |
|                | 5. Emerson Process Management, Singapore - Digital Valve Controller                           | Singapore   |                    |
|                | 6. ASCO - Solenoid Valves   | India   |                    |





Engineering Section,  
Engineering and Projects Excellence Centre,  
**OFFSHORE SUGGESTED VENDOR LIST**

**Rev No: 12.2**  
Instrumentation

|                              |  |       |  |
|------------------------------|--|-------|--|
|                              | 7. Valbart - Ball Valve  | Italy |  |
| <b>Instrumentation Note:</b> |  |       |  |
| 1                            | For all instrumentation items that are to be located in the field (hazardous area), certification by FM / UL / BASEEFA / CSA / DGMS / CMRS or equal is essential, stating that the said Instrumentation item is suitable for use in the hazardous area. (This applies to all the items in the Suggested Vendor List) |       |  |
| 2                            | For all instruments, weather proofness of NEMA 4X / IP 65, as a minimum, is essential. (This applies to all the items in the Suggested Vendor List)  |       |  |
| 3                            | For all electrical instruments, explosion proofness of NEMA 7, as a minimum, is essential (This applies to: Flow Totalizer, Electronic Flow Transmitter, MPFM, Pressure Switch (Electrical) and Pressure Transmitter (Elect.))   |       |  |
| *****                        |  |       |  |

| <b>Electrical</b> |  |                                       |                    |  |
|-------------------|--|---------------------------------------|--------------------|--|
| <b>Product</b>    | <b>1</b>                                   | <b>Transformers (Cast Resin Type)</b> |                    |  |
| <b>S. No.</b>     | <b>Vendor</b>                              | <b>Country</b>                        | <b>Remark/Note</b> |  |
| 1                 | General Electric                           | USA                                   |                    |  |
| 2                 | Fuji Electric Co Ltd                       | Japan                                 |                    |  |
| 3                 | Kirloskar Electric Co Ltd                  | India                                 |                    |  |
| 4                 | ABB  | India                                 |                    |  |
| 5                 | Schneider Electric Industries SA           | France                                |                    |  |
| 6                 | Trasfor, SA                                | Switzerland                           |                    |  |
| 7                 | Unelectra (Only for Lighting Transformers) | Taiwan                                |                    |  |
| <b>Product</b>    | <b>2</b>                                   | <b>UPS System-Packaged Item</b>       |                    |  |
| <b>S. No.</b>     | <b>Vendor</b>                              | <b>Country</b>                        | <b>Remark/Note</b> |  |
| 1                 | AEG Power solutions Pte                    | Singapore                             |                    |  |
| 2                 | Chloride Industrial System                 | UK/France                             |                    |  |
| 3                 | Fuji Electric Co Ltd                       | Japan                                 |                    |  |
| 4                 | GUTOR                                      | Switzerland                           |                    |  |
| 5                 | Vertiv Energy Private Limited              | India                                 |                    |  |
| 6                 | Hitachi Hi-Rel Power Electronics Pvt Ltd   | India                                 |                    |  |
| 7                 | BORRI SPA                                  | Italy                                 |                    |  |
| 8                 | Ametek Solidstate Controls                 | USA                                   |                    |  |
| <b>Product</b>    | <b>3</b>                                   | <b>LT Switch Gear</b>                 |                    |  |
| <b>S. No.</b>     | <b>Vendor</b>                              | <b>Country</b>                        | <b>Remark/Note</b> |  |
| 1                 | Eaton                                      | USA                                   |                    |  |
| 2                 | Fuji Electric Co Ltd                       | Japan                                 |                    |  |
| 3                 | IME Quadri                                 | Italy                                 |                    |  |
| 4                 | Terasaki Electric Co Ltd                   | Japan                                 |                    |  |
| 5                 | L&T, Mumbai                                | India                                 |                    |  |
| 6                 | ABB  | Korea / India                         |                    |  |
| 7                 | Schneider Electric Industries SA           | France                                |                    |  |
| 8                 | COMECA EBT                                 | France                                |                    |  |

|                |   |  |                    |
|----------------|---|--|--------------------|
| 9              | Siemens   | India  |                    |
| 10             | GE Industrial   | India / USA  |                    |
| <b>Product</b> | <b>4</b>  | <b>HT Switch Gear</b>                              |                    |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>                                     | <b>Remark/Note</b> |
| 1              | Eaton   | USA  |                    |
| 2              | Hitachi   | Japan  |                    |
| 3              | ABB   | India/Norway                                       |                    |
| 4              | Siemens   | Germany /Indonesia/<br>India                       |                    |
| 5              | Fuji Electric Co Ltd  | Japan  |                    |
| 6              | Schneider Electric Infrastructure Ltd                               | India  |                    |
| 7              | Schneider Electric Industries SA                                    | France   |                    |
| 8              | GE Industrial   | India / USA  |                    |
| 9              | Tamco Switchgear (Malaysia) Sdn Bhd                                 | Malaysia   |                    |
| 10             | L&T Ahmednagar (Technical License agreement<br>with Tamco Malaysia) | India  |                    |
| <b>Product</b> | <b>5</b>  | <b>Battery &amp; Battery Charger-Packaged Item</b> |                    |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>                                     | <b>Remark/Note</b> |
| 1              | Chloride Industrial System  | France   |                    |
| 2              | Yuasa   | Japan  | <b>On Hold-B1</b>  |
| 3              | Gutor   | Switzerland  |                    |
| 4              | HBL Power Systems Ltd   | India  |                    |
| 5              | Chhabi Electricals Pvt Ltd (For Battery<br>Chargers)                | India  |                    |
| 6              | AEG Power solutions Pte   | Singapore  |                    |
| 7              | BORRI SPA   | Italy  |                    |
| 8              | Hitachi Hi-Rel Power Electronics Pvt Ltd                            | India  |                    |
| <b>Product</b> | <b>6</b>  | <b>Cathodic Protection System</b>                  |                    |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>                                     | <b>Remark/Note</b> |
| 1              | Alico Industries Co. Ltd.   | UAE  |                    |
| 2              | Nippon Corrosion Engineering Co Ltd                                 | Japan  |                    |
| 3              | PSL, Mumbai   | India  |                    |
| 4              | Emirates Techno Casting LLC   | UAE  |                    |
| 5              | CP TECH   | Singapore  |                    |

|                |  |  |                    |
|----------------|--|--|--------------------|
| 6              | SBN Industries SDN BHD                           | Malaysia   |                    |
| 7              | Metec SARL                                       | Tunisia  |                    |
| <b>Product</b> | <b>7</b>   | <b>Fluorescent / Incandescent Class-"B" LTG Fixtures</b> |                    |
| <b>S. No.</b>  | <b>Vendor</b>                                    | <b>Country</b>   | <b>Remark/Note</b> |
| 1              | Cooper Crouse-Hinds                              | USA  |                    |
| 2              | Appleton/EGS electrical                          | USA  |                    |
| 3              | Baliga Lighting Eqpt Ltd                         | India  |                    |
| 4              | Pepperl and Fuchs manufacturing (India) Pvt. Ltd | India  |                    |
| 5              | Chalmit Lighting                                 | UK   |                    |
| 6              | R STAHL  | Germany  |                    |
| <b>Product</b> | <b>8</b>   | <b>Navigational Aid System-(NAVAID)</b>                  |                    |
| <b>S. No.</b>  | <b>Vendor</b>                                    | <b>Country</b>   | <b>Remark/Note</b> |
| 1              | Pharos Marine Automatic Power Inc                | USA  |                    |
| 2              | Tata BP Solar India Ltd                          | India  |                    |
| 3              | SOLAPAK  | UK   |                    |
| 4              | Tideland Signal Ltd                              | UK   |                    |
| 5              | ORGA BV  | Holland  |                    |
| 6              | SICE s.r.l                                       | Italy  |                    |
| <b>Product</b> | <b>9</b>   | <b>Lead Acid Batteries (Solar Power System)</b>          |                    |
| <b>S. No.</b>  | <b>Vendor</b>                                    | <b>Country</b>   | <b>Remark/Note</b> |
| 1              | Amara Raja Batteries Ltd                         | India  |                    |
| 2              | Yuasa  | Japan  | On Hold-B1         |
| 3              | HBL Power Systems Limited                        | India  |                    |
| <b>Product</b> | <b>10</b>  | <b>Multi Cable Transit (MCT)</b>                         |                    |
| <b>S. No.</b>  | <b>Vendor</b>                                    | <b>Country</b>   | <b>Remark/Note</b> |
| 1              | Roxtac   | Sweden   |                    |
| 2              | Hawke Transit System                             | Spain  |                    |
| 3              | MCT Brattberg AB                                 | Sweden   |                    |
| 4              | Wallmax India Enterprises Pvt Ltd.               | India  |                    |
| <b>Product</b> | <b>11</b>  | <b>Div.2 Aviation Marker Lighting Fixtures</b>           |                    |
| <b>S. No.</b>  | <b>Vendor</b>                                    | <b>Country</b>   | <b>Remark/Note</b> |
| 1              | Tranberg A/S                                     | Norway   |                    |
| 2              | Tideland Signal Ltd                              | UK   |                    |

| Product | 12  | Lighting & Power Distribution Panel, AC & DC Distribution Board |             |
|---------|---|---|-------------|
| S. No.  | Vendor  | Country   | Remark/Note |
| 1       | Legrand (India)                                       | India   |             |
| 2       | Novateur Electrical & Digital Systems Private Limited | India   |             |
| 3       | BCH Electric Ltd                                      | India   |             |
| 4       | Fabrics Technocrat Solutions Pvt. Ltd.                | India   |             |
| 5       | Siemens   | Germany/India   |             |
| 6       | HHI   | Korea   |             |
| 7       | Marine Electricals                                    | India   |             |
| 8       | Schneider Electric India Pvt. Ltd.                    | India   |             |
| 9       | Middle East Switch Gear Ltd                           | Sharjah   |             |
| 10      | Cooper Crouse-Hinds                                   | USA   |             |
| 11      | R STAHL   | Germany   |             |
| Product | 13  | Solar Power System-Packaged Item                                |             |
| S. No.  | Vendor  | Country   | Remark/Note |
| 1       | Central Electronics Ltd                               | India   |             |
| 2       | BHEL  | India   |             |
| 3       | Tata Power Solar System                               | India   |             |
| 4       | Solapak   | UK  |             |
| 5       | SICE s.r.l  | Italy   |             |
| 6       | Fabrics Technocrat Solutions Pvt. Ltd.                | India   |             |
| 7       | TSS4U BV  | Netherlands   |             |
| Product | 14  | Fire Survival Cables  |             |
| S. No.  | Vendor  | Country   | Remark/Note |
| 1       | Universal Cables, Satna, MP                           | India   |             |
| 2       | INCAB   | India   |             |
| 3       | Cable Corporation of India                            | India   |             |
| 4       | Polycab   | India   |             |
| 5       | Prysmian PowerLink Srl                                | Italy   |             |
| 6       | Associated Flexible & Wires Pvt. Ltd                  | India   |             |
| 7       | KEI Industries Ltd                                    | India   |             |

|                |  |   |                    |
|----------------|--|---|--------------------|
| 8              | Nexans (Kukdong)                       | Korea                                   |                    |
| 9              | Radiant - RSCC Specialty Cable Pvt Ltd | India                                   |                    |
| 10             | Thermo Cables Ltd (Upto 1.1 KV)        | India                                   |                    |
| <b>Product</b> | <b>15</b>                              | <b>FRP Cable Trays</b>                  |                    |
| <b>S. No.</b>  | <b>Vendor</b>                          | <b>Country</b>                          | <b>Remark/Note</b> |
| 1              | Ercon, Jodhpur                         | India                                   |                    |
| 2              | General Composites Pvt Ltd             | India                                   |                    |
| 3              | INDIANA, Mumbai                        | India                                   |                    |
| 4              | Enduro                                 | USA                                     |                    |
| 5              | Sumip Composites Pvt.Ltd               | India                                   |                    |
| 6              | Sintex Industries Ltd                  | India                                   |                    |
| 7              | Oglaend System                         | Malaysia                                |                    |
| 8              | Kemrock Industries & Exports Ltd       | India                                   |                    |
| 9              | Satyam Composites Pvt. Ltd.            | India                                   |                    |
| 10             | Bravo Cable Trays Pvt. Ltd.            | India                                   |                    |
| <b>Product</b> | <b>16</b>                              | <b>Batteries (Ni-Cd)</b>                |                    |
| <b>S. No.</b>  | <b>Vendor</b>                          | <b>Country</b>                          | <b>Remark/Note</b> |
| 1              | Saft India Private Limited             | India                                   |                    |
| 2              | HBL Power systems Ltd                  | India                                   |                    |
| <b>Product</b> | <b>17</b>                              | <b>Hazardous Area Lighting Fixtures</b> |                    |
| <b>S. No.</b>  | <b>Vendor</b>                          | <b>Country</b>                          | <b>Remark/Note</b> |
| 1              | Baliga Lighting Equipment              | India                                   |                    |
| 2              | Flexpro Electrical,Mumbai              | India                                   |                    |
| 3              | FCG Flame Proof Control Gears Pvt. Ltd | India                                   |                    |
| 4              | FCG Power Industries Pvt. Ltd          | India                                   |                    |
| 5              | Flameproof Equipments Pvt. Ltd         |   |                    |
| 6              | Sudhir Switchgears                     | India                                   |                    |
| 7              | EGS Electrical Group                   | USA                                     |                    |
| 8              | Chalmit Lighting                       | UK                                      |                    |
| 9              | Cooper Crouse-Hinds                    | USA                                     |                    |
| 10             | R STAHL                                | Germany                                 |                    |
| 11             | Raytec Ltd                             | UK                                      |                    |

# Indicates changes in Rev No. : 12.2

| Product | 18   | MV Motors (Flame Proof Exd, EX e, EX n) |   |
|---------|--|---|---|
| S. No.  | Vendor   | Country                                 | Remark/Note   |
| 1       | CG Power & Industrial Solutions Limited          | India                                   |   |
| 2       | Bharat Bijlee                                    | India                                   |   |
| 3       | KEC  | India                                   |   |
| 4       | Siemens  | India                                   |   |
| 5       | WEG Equipamentos Electricos S.A.                 | Brazil                                  |   |
| 6       | Laxmi Hydraulics Pvt. Ltd                        | India                                   |   |
| Product | 19   | Junction Boxes                          |   |
| S. No.  | Vendor   | Country                                 | Remark/Note   |
| 1       | Baliga   | India                                   |   |
| 2       | Flexpro Electricals Pvt Ltd                      | India                                   |   |
| 3       | FCG Flame Proof Control Gears Pvt. Ltd           | India                                   |   |
| 4       | FCG Power Industries Pvt. Ltd                    | India                                   |   |
| 5       | Cooper Crouse Hinds                              | USA                                     |   |
| 6       | Weidmuller                                       | Singapore/Germany                       |   |
| 7       | Pepperl and Fuchs manufacturing (India) Pvt. Ltd | India                                   |   |
| 8       | Sudhir Switchgears                               | India                                   |   |
| 9       | Appleton/EGS Electricals                         | USA                                     |   |
| 10      | Flameproof Equipments Pvt.Ltd                    | India                                   |   |
| 11      | Rose Systemtechnik GMBH                          | Germany                                 |   |
| 12      | R STAHL  | Germany                                 |   |
| 13      | Phoenix Mecano India Pvt. Ltd                    | India                                   | Technical Licence Agreement with M/s Rose GmbH, Germany valid till 31.12.2022 |
| Product | 20   | Cables (Power)                          |   |
| S. No.  | Vendor   | Country                                 | Remark/Note   |
| 1       | Universal Cables                                 | India                                   |   |
| 2       | Apar Industries Limited                          | India                                   |   |
| 3       | KEI Industries Ltd                               | India                                   |   |

|                |  |   |                    |
|----------------|--|---|--------------------|
| 4              | Nexans (Kukdong)                                 | Korea                                       |                    |
| 5              | AmerCable Incorporated                           | USA   |                    |
| 6              | Cable Corporation of India                       | India                                       |                    |
| 7              | Polycab  | India                                       |                    |
| 8              | Prysmian PowerLink Srl                           | Italy                                       |                    |
| 9              | Associated Flexible & Wires Pvt. Ltd             | India                                       |                    |
| 10             | Radiant - RSCC Specialty Cable Pvt Ltd           | India                                       |                    |
| 11             | Thermo Cables Ltd (Upto 1.1 KV)                  | India                                       |                    |
| 12             | Cords Cable Industries Ltd (Upto 1.1 KV)         | India                                       |                    |
| 13             | Nangalwala Industries Pvt. Ltd (Upto 1.1 KV)     | India                                       |                    |
| <b>Product</b> | <b>21</b>  | <b>Cable Glands</b>                         |                    |
| <b>S. No.</b>  | <b>Vendor</b>                                    | <b>Country</b>                              | <b>Remark/Note</b> |
| 1              | HAWKE  | UK  |                    |
| 2              | Cooper Crouse-Hinds                              | USA   |                    |
| 3              | Baliga   | India                                       |                    |
| 4              | Flexpro Electrical Co.Ltd                        | India                                       |                    |
| 5              | Comet Brass Product                              | India                                       |                    |
| 6              | FCG Flameproof Control Gears Pvt Ltd             | India                                       |                    |
| 7              | R STAHL  | Germany                                     |                    |
| 8              | CMP Products                                     | UK  |                    |
| <b>Product</b> | <b>22</b>  | <b>Electrical Heat Tracing</b>              |                    |
| <b>S. No.</b>  | <b>Vendor</b>                                    | <b>Country</b>                              | <b>Remark/Note</b> |
| 1              | Thermopads Pvt Ltd                               | India                                       |                    |
| 2              | Thermon  |   |                    |
| 3              | Lloyds   | India                                       |                    |
| 4              | Xicon  | India                                       |                    |
| 5              | Pentair Thermal Management India Pvt. Ltd.       | India                                       |                    |
| 6              | Bartec GmbH                                      | Germany                                     |                    |
| <b>Product</b> | <b>23</b>  | <b>i. Explosion Proof Control Stations</b>  |                    |
|                |  | <b>ii. Industrial Type Plug and Sockets</b> |                    |
| <b>S. No.</b>  | <b>Vendor</b>                                    | <b>Country</b>                              | <b>Remark/Note</b> |
| 1              | Pepperl and Fuchs manufacturing (India) Pvt. Ltd | India                                       |                    |



|                |   |                               |  |
|----------------|---|-------------------------------|--|
| 2              | Baliga  | India                         | Vendors from 2 to 10 are<br>for Explosion Proof<br>Control Stations Only |
| 3              | FCG Flame Proof Control Gears Pvt. Ltd                    | India                         |  |
| 4              | Ex-protecta   | India                         |  |
| 5              | Flexpro Electricals Pvt Ltd                               | India                         |  |
| 6              | Sudhir Switchgears  | India                         |  |
| 7              | Flameproof Equipments Pvt Ltd                             | India                         |  |
| 8              | Cooper Crouse-Hinds                                       | USA                           |  |
| 9              | R STAHL   | Germany                       |  |
| 10             | Phoenix Mecano India Private Limited                      | India                         |  |
| <b>Product</b> | <b>24</b>   | <b>Submarine Cable</b>        |  |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>                | <b>Remark/Note</b>   |
| 1              | EXSYM Corporation   | Japan                         |  |
| 2              | Nexans  | France                        |  |
| 3              | J Power Systems   | Japan                         |  |
| 4              | Prysmian PowerLink Srl                                    | Italy                         |  |
| 5              | JDR Cable System Ltd                                      | UK                            |  |
| 6              | J-Power Systems Saudi Co. Ltd                             | Saudi Arabia                  |  |
| <b>Product</b> | <b>25</b>   | <b>HV Motors-(Ex e/ Ex n)</b> |  |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>                | <b>Remark/Note</b>   |
| 1              | ATB Laurence Scott Ltd                                    | UK                            |  |
| 2              | Fuji Electric Co Ltd                                      | Japan                         |  |
| 3              | Parson Peebles  | UK                            |  |
| 4              | BHEL  | India                         |  |
| 5              | Siemens   |                               |  |
| 6              | CG Power & Industrial Solutions Limited                   | India                         |  |
| 7              | KEC   | India                         |  |
| 8              | Nidec ASI S.p.A   | Italy                         |  |
| 9              | WEG Equipamentos Electricos S.A.                          | Brazil                        |  |
| 10             | Toshiba Mitsubishi Electrical Systems Corporation (TMEIC) | Japan / India*                |  |

|                |   |   |  |
|----------------|---|---|--|
| <b>Note</b>    | <b>All HV Motors manufacturers are enlisted for MV Motors also.</b>                       |   |  |
|                | <b>* Vendor is required to fulfil requirement of Note 5(a) of SVL for future supplies</b> |   |  |
| <b>Product</b> | <b>26</b>   | <b>Hazardous Area Lighting Panel (Flameproof)</b>                 |  |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>  | <b>Remark/Note</b>                               |
| 1              | Baliga Lighting Equipment Ltd   | India   |  |
| 2              | FCG Flame Proof Control Gears   | India   |  |
| 3              | Flexpro Electrical Pvt Ltd  | India   |  |
| 4              | Flameproof Equipments Pvt. Ltd  | India   |  |
| 5              | FCG Power Industries  | India   |  |
| 6              | Sudhir Switchgears  | India   |  |
| 7              | R STAHL   | Germany   |  |
| <b>Product</b> | <b>27</b>   | <b>Welding Receptacles &amp; Convenience Outlets (Flameproof)</b> |  |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>  | <b>Remark/Note</b>                               |
| 1              | FCG Flame Proof Control Gears   | India   |  |
| 2              | Flameproof Equipments Pvt Ltd   | India   |  |
| 3              | Sudhir Switchgears  | India   |  |
| 4              | Appleton/EGS Electricals  | USA   |  |
| <b>Product</b> | <b>28</b>   | <b>Marine Passenger Elevators (Electric)</b>                      |  |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>  | <b>Remark/Note</b>                               |
| 1              | Kone Elevators Ltd  | Finland   |  |
| 2              | Alimak Group Norway AS  | Norway  |  |
| 3              | Maspero Elevatori S.P.A   | Italy   |  |
| <b>Product</b> | <b>29</b>   | <b>Utility Generator- Alternator for Diesel Generator Package</b> |  |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>  | <b>Remark/Note</b>                               |
| 1              | KATO  | Japan   |  |
| 2              | LEROY SOMER   |   |  |
| <b>Product</b> | <b>30</b>   | <b>Main Injection / Main Oil Line Pumps- Electric Motors</b>      | <b>Product merged with HV Motors at SI no 25</b> |

|                |   |   |                    |                        |
|----------------|---|---|--------------------|------------------------|
| <b>Product</b> | <b>31</b>   | <b>Turbine Generator Set- Alternators</b> |                    |                        |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>                            | <b>Remark/Note</b> |                        |
| 1              | Brush Electric  | UK  |                    |                        |
| 2              | General Electric  | USA                                       |                    |                        |
| 3              | Siemens   | Germany                                   |                    |                        |
| 4              | Fuji Electric   | Japan                                     |                    |                        |
| 5              | Hyundai Ideal Electric Co.                                | USA                                       |                    |                        |
| 6              | Converteam UK Ltd   | UK  |                    |                        |
| 7              | Kato Engineering Inc.                                     | USA                                       |                    |                        |
| <b>Product</b> | <b>32</b>   | <b>Diesel Generator Packager</b>          |                    |                        |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>                            | <b>Remark/Note</b> |                        |
| 1              | Fuji Electric Co. Ltd.                                    | Japan                                     |                    |                        |
| 2              | Stewart and Stevenson                                     | USA                                       |                    |                        |
| 3              | Pon Power BV  | Netherlands                               |                    |                        |
| 4              | KATO  | USA                                       |                    |                        |
| 5              | McPEC Marine & Offshore Engineering Pte Ltd.              | Singapore                                 |                    |                        |
| 6              | East Asia Power Pte Ltd.                                  | Singapore                                 |                    |                        |
| 7              | Intergen S.p.a,   | Italy                                     |                    |                        |
| <b>Product</b> | <b>33</b>   | <b>Motorized Actuator for Valve</b>       |                    | <b>Product Deleted</b> |
| <b>Product</b> | <b>34</b>   | <b>Helideck Lighting System</b>           |                    |                        |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>                            | <b>Remark/Note</b> |                        |
| 1              | Point Lighting Corporation                                | USA                                       |                    |                        |
| 2              | Orga B.V  | The Netherlands                           |                    |                        |
| <b>Product</b> | <b>35</b>   | <b>Solar Charge Controller</b>            |                    |                        |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>                            | <b>Remark/Note</b> |                        |
| 1              | Fabricons Technocrat Solutions Pvt. Ltd.                  | India                                     |                    |                        |
| 2              | SICE S.R.L  | Italy                                     |                    |                        |
| <b>Product</b> | <b>36</b>   | <b>Solar Panels</b>                       |                    |                        |
| 1              | Central Electronics Limited (A Govt. of India Enterprise) | India                                     |                    |                        |
| 2              | Tata Power Solar System                                   | India                                     |                    |                        |

| Pipeline |  |   |             |  |
|----------|--|---|-------------|--|
| Product  | 1  | Carbon Steel Line Pipe ( Sour & Non-Sour Service) |             |  |
| S. No.   | Vendor   | Country   | Remark/Note |  |
| 1        | Sumitomo Corporation   | Japan   | Trader      |  |
| 2        | Tenaris Dalmine  | Italy   |             |  |
| 3        | Mannesmannrohren-werke AG  | Germany   | On Hold-B1  |  |
| 4        | NKK Corporation  | Japan   | On Hold-B1  |  |
| 5        | Nippon Steel & Sumitomo Metal Corporation  | Japan   |             |  |
| 6        | Marubeni   | Japan   | Trader      |  |
| 7        | Mitsui   | Japan   | Trader      |  |
| 8        | Itochu   | Japan   | Trader      |  |
| 9        | Thyssen  | Germany   | On Hold-B1  |  |
| 10       | Vallourec Deutschland GmbH   | Germany   |             |  |
| 11       | Tenaris Tamsa  | Mexico  |             |  |
| 12       | ArcelorMittal Tubular Products Roman S.A.<br>(For Seamless Line Pipes only)  | Romania   |             |  |
| 13       | Jindal Saw Ltd. (For LSAW Pipes only)  | India   |             |  |
| 14       | Man Industries (India) Ltd.(For LSAW pipes only)   | India   |             |  |
| 15       | Volzhsky Pipe Plant of TMK Group   | Russia  | On Hold-B1  |  |
| 16       | EEW GmbH & Co (For LSAW Pipes only)  | Germany   |             |  |
| 17       | EISENBAU KRAMER GmbH(For LSAW Pipes only)  | Germany   |             |  |
| 18       | Welspun Corporation Ltd (For LSAW Pipes only)  | India   |             |  |
| 19       | Jubail Energy Services Company (JESCO)<br>(For Seamless Line Pipes only)   | Saudi Arabia                                      |             |  |
| 20       | Jindal SAW Ltd, Malegaon MIDC, Sinnar,<br>district Nashik,<br>(For Seamless Line Pipes only)<br>[ Under DMI&SP Policy] | India   |             |  |
| 21       | Maharashtra Seamless Ltd. (MSL),<br>Nagothane, Pipe Nagar<br>(For Seamless Line Pipes only)<br>[Under DMI&SP Policy]   | India   |             |  |
| 22       | ISMT Limited, Baramati, Maharashtra<br>(For Seamless Line Pipes only)<br>[Under DMI&SP Policy] { for seamless          | India   |             |  |
| Product  | 2  | Long Radius Bend                                  |             |  |
| S. No.   | Vendor   | Country   | Remark/Note |  |
| 1        | Fabricom   | Belgium   |             |  |

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|                |   |   |  |
|----------------|---|---|--|
| 2              | Dai-ichi High Frequency Co. Ltd.  | Japan   |  |
| 3              | Tenaris Dalmine   | Japan   |  |
| 4              | PSL   | India   |  |
| 5              | Igawara Industrial service and Trading Pte. Ltd                                     | Singapore   |  |
| 6              | Proclad Induction Bending   | UK  |  |
| 7              | Jindal Saw Ltd.   | India   |  |
| 8              | Welspun Corp. Limited   | India   |  |
| 9              | Salzgitter Mannesmann Grobblech GmbH (CRA Clad)                                     | Germany   |  |
| 10             | Fabricom (CRA Clad)   | Belgium   |  |
| <b>Product</b> | <b>3</b>  | <b>Concrete &amp; Anti-corrosion Coating</b>          |  |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>  | <b>Remark/Note</b>   |
| 1              | Bredero Price   | Sharjah   |  |
| 2              | NPCC  | Abu Dhabi   |  |
| 3              | PSL   | India   |  |
| 4              | Jindal Saw Ltd.   | India   |  |
| 5              | Welspun Corp Ltd (External 3LPP Coating)  | India   |  |
| 6              | Wasco Coatings Malaysia Sdn. Bhd.   | Malaysia  |  |
| 7              | Welspun Wasco coatings Pvt Ltd (Only for Concrete Coating)                          | India   | Technical Licence Agreement with Wasco Coatings Malaysia Sdn Bhd Malaysia, valid till 24.07.2028 |
| 8              | M/s Man Industries (India) Limited  | India   |  |
| <b>Product</b> | <b>4</b>  | <b>Nickel-Copper Alloy- UNS N04400 plates (Monel)</b> |  |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>  | <b>Remark/Note</b>   |
| 1              | VDM Metals GmbH   | Germany   |  |
| 2              | Mitsubishi  | Japan   | <b>Trader</b>  |
| 3              | Special Metals Wiggin Ltd.  | UK  |  |
| 4              | Special Metals Corporation  | USA   |  |
| 5              | Kanematsu Corporation, Tokyo {Trader of OEM M/s Nippon Yakin Kogyo Co. Ltd., Japan} | Japan   | <b>Trader/Exporter</b>   |
| 6              | Kirtanlal and Sons, Mumbai  | India   | <b>Trader</b>  |
| <b>Product</b> | <b>5</b>  | <b>Flexible Linepipe</b>                              |  |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>  | <b>Remark/Note</b>   |
| 1              | Well Stream   | UK  |  |
| 2              | National Oilwell Varco Denmark I/S  | Denmark   |  |

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|                |                                       |   |                    |
|----------------|---------------------------------------|---|--------------------|
| 3              | Technip                               | France  |                    |
| 4              | Asiaflex Products Sdn. Bhd            | Malaysia  |                    |
| <b>Product</b> | <b>6</b>                              | <b>Subsea Flanges – Carbon Steel (Sour &amp; Non-Sour Service)</b>    |                    |
| <b>S. No.</b>  | <b>Vendor</b>                         | <b>Country</b>  | <b>Remark/Note</b> |
| 1              | CHW Forge Private Ltd                 | India   |                    |
| 2              | Officine Nicola Galperti & Figlio SPA | Italy   |                    |
| 3              | Officine Ambrogio Melesi & C, SRL     | Italy   |                    |
| 4              | Vilmar                                | Romania   |                    |
| 5              | Vilmar (for CRA Clad)                 | Romania   |                    |
| 6              | Viar S.p.A                            | Italy   |                    |
| 7              | Vee Kay Vikram & Co. LLP              | India   |                    |
| <b>Product</b> | <b>7</b>                              | <b>Misalignment Flange</b>  |                    |
| <b>S. No.</b>  | <b>Vendor</b>                         | <b>Country</b>  | <b>Remark/Note</b> |
| 1              | Oil States Industries (OSI), USA      | USA   |                    |
| <b>Product</b> | <b>8</b>                              | <b>Subsea Carbon Steel Ball Valves (Sour &amp; Non Sour Service)</b>  |                    |
| <b>S. No.</b>  | <b>Vendor</b>                         | <b>Country</b>  | <b>Remark/Note</b> |
| 1              | Valbart Srl                           | Italy   |                    |
| 2              | T. K. Valves                          | UK  | On Hold-B1         |
| 3              | CAMERON                               | USA   |                    |
| 4              | GROVE Italia                          | Italy   | On Hold-B1         |
| 5              | PERAR                                 | Italy   |                    |
| 6              | BEL Valves                            | UK  |                    |
| 7              | HIT Valve S.p.A                       | Italy   |                    |
| 8              | Breda Energia SpA (Only non-sour)     | Italy   |                    |
| 9              | Advanced Technology Valve S.p.A       | Italy   |                    |
| 10             | MIR Valve Sdn. Bhd                    | Malaysia  |                    |
| 11             | Ampo S.Coop - Poyam Valves            | Spain   |                    |
| 12             | Fluitek Orsenigo Valves Srl           | Italy   |                    |
| <b>Product</b> | <b>9</b>                              | <b>Subsea Carbon Steel Check Valves (Sour &amp; Non Sour Service)</b> |                    |
| <b>S. No.</b>  | <b>Vendor</b>                         | <b>Country</b>  | <b>Remark/Note</b> |
| 1              | Tom Wheatley (Cameron)                | USA   | On Hold-B1         |
| 2              | BEL Valves                            | UK  |                    |
| 3              | Goodwin                               | UK  |                    |
| 4              | Velan                                 | Italy   | On Hold-B1         |
| 5              | Valvitalia                            | Italy   |                    |

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| Product                            | 10   | Subsea Carbon Steel Flow Tee (Sour & Non Sour Service)                      |           |                 |
|------------------------------------|--|---|-----------|-----------------|
| S. No.                             | Vendor   |   | Country   | Remark/Note     |
| 1                                  | Pipeline Engineering & Supply Co. Ltd.   |   | UK        |                 |
| 2                                  | GAM Raccordi SPA   |   | Italy     |                 |
| 3                                  | Sawan Engineers Pvt. Ltd.  |   | India     |                 |
| 4                                  | Vee Kay Vikram & Co. LLP   |   | India     |                 |
| Product                            | 11   | Subsea Carbon Steel Hinged Closure (Quick Opening)(Sour & Non Sour Service) |           |                 |
| S. No.                             | Vendor   |   | Country   | Remark/Note     |
| 1                                  | Pipeline Engineering & Supply Co. Ltd.   |   | UK        |                 |
| Product                            | 12   | Subsea Piggable Wye (Sour service)  |           |                 |
| S. No.                             | Vendor   |   | Country   | Remark/Note     |
| 1                                  | M.E.G.A SpA  |   | Italy     |                 |
| Product                            | 13   | CRA Clad Pipes  |           |                 |
| S. No.                             | Vendor   |   | Country   | Remark/Note     |
| 1                                  | H. Butting GmbH & Co KG  |   | Germany   |                 |
| 2                                  | Eisenbau Kramer GmbH   |   | Germany   |                 |
| 3                                  | FTV Proclad L.L.C  |   | UAE       |                 |
| 4                                  | PT Cladtek Bi-Metal Manufacturing  |   | Indonesia |                 |
| Product                            | 14   | Nickel-Alloy UNS NO6625 Seamless line Pipes                                 |           | Product Deleted |
| *****                              |  |   |           |                 |
| Product                            | 15   | Internal Field Joint Coating  |           |                 |
| S. No.                             | Vendor   |   | Country   | Remark/Note     |
| 1                                  | M/s NOV -Tuboscope<br>(Sleeves for WI Pipelines only)  |   | Germany   |                 |
| 2                                  | M/s Seal for Life-CCB<br>(Sleeves for WI Pipelines only)   |   | USA       |                 |
| 3                                  | M/s Reliable Pipe & Tubes Limited<br>(Sleeves for WI Pipelines only)   |   | India     |                 |
| 4                                  | M/s Aegion Coating Services<br>(Robotic Arm Method for both WF as Well as WI Pipeline)   |   | USA       |                 |
| Pipeline Note for Product No. 15:- |  |   |           |                 |
| 1                                  | New Vendor shall be evaluated for compliance to the Pipeline Design Criteria (Annexure to Section 4A), Past Track Record, Performance feed-back. |   |           |                 |

| <b>Structural</b> |   |  |                    |
|-------------------|---|--|--------------------|
| <b>Product</b>    | <b>1</b>  | <b>Rubber Fenders</b>  |                    |
| <b>S. No.</b>     | <b>Vendor</b>   | <b>Country</b>   | <b>Remark/Note</b> |
| 1                 | IRM Offshore and Marine Engineers                     | India  |                    |
| 2                 | Regal Marine Products, Offshore Kinematics Inc, Texas | USA  | <b>On Hold-B1</b>  |
| 3                 | Trelleborg Hercules Pte.Ltd.                          | Singapore  |                    |
| 4                 | Hi-Tech Elastomers Ltd, Ahmedabad                     | India  |                    |
| <b>Product</b>    | <b>2</b>  | <b>Grout Seal</b>  |                    |
| <b>S. No.</b>     | <b>Vendor</b>   | <b>Country</b>   | <b>Remark/Note</b> |
| 1                 | IRM Offshore and Marine Engineers                     | India  |                    |
| 2                 | Regal Marine Products, Offshore Kinematics Inc, Texas | USA  | <b>On Hold-B1</b>  |
| 3                 | Hi-Tech Elastomers Ltd, Ahmedabad                     | India  |                    |
| 4                 | Trelleborg Hercules Pte.Ltd.                          | Singapore  |                    |
| <b>Product</b>    | <b>3</b>  | <b>Diaphragm Closure</b>   |                    |
| <b>S. No.</b>     | <b>Vendor</b>   | <b>Country</b>   | <b>Remark/Note</b> |
| 1                 | IRM Offshore and Marine Engineers                     | India  |                    |
| 2                 | Regal Marine Products, Offshore Kinematics Inc, Texas | USA  | <b>On Hold-B1</b>  |
| 3                 | Hi-Tech Elastomers Ltd, Ahmedabad                     | India  |                    |
| 4                 | Trelleborg Hercules Pte.Ltd.                          | Singapore  |                    |
| <b>Product</b>    | <b>4</b>  | <b>Marine Growth Preventer (MGP)</b>                             |                    |
| <b>S. No.</b>     | <b>Vendor</b>   | <b>Country</b>   | <b>Remark/Note</b> |
| 1                 | IEV Manufacturing Sdn Bhd                             | Malaysia   |                    |
| <b>Product</b>    | <b>5</b>  | <b>Marine Paints (Protective coating) for offshore structure</b> |                    |
| <b>S. No.</b>     | <b>Vendor</b>   | <b>Country</b>   | <b>Remark/Note</b> |
| 1                 | Chugoku Marine Paints (S) Pte Ltd.                    | Singapore  |                    |
| 2                 | Ameron (PPG Coating)                                  | USA  |                    |
| 3                 | Sigma Coating (PPG Coating)                           | USA  |                    |
| 4                 | Hempel A/s  | Denmark  |                    |
| 5                 | Carboline Products                                    | USA  |                    |
| 6                 | Berger Paints (I) Ltd                                 | Kolkata  |                    |

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|                |   |  |                        |
|----------------|---|--|------------------------|
| 7              | Jotun Coatings  | Norway   |                        |
| 8              | KCC Products  | Korea  |                        |
| 9              | Shalimar Paints Ltd   | Kolkata  |                        |
| 10             | International Paint   | UK   |                        |
| 11             | EXCEL India Protective Paints Pvt. Ltd                                  | India  |                        |
| <b>Product</b> | <b>6</b>  | <b>Fibre glass Reinforced Plastic Gratings &amp; Handrails</b>                   | <b>Product Deleted</b> |
| <b>Product</b> | <b>7</b>  | <b>Aluminium Heli Deck</b>   |                        |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>   | <b>Remark/Note</b>     |
| 1              | Aluminium Offshore Pte Ltd  | Singapore  |                        |
| 2              | Bayards Aluminium Constructies, B.V                                     | Netherlands  |                        |
| 3              | Marine Aluminium, Norway (Through Walchand Industries, CBD Navi Mumbai) | Norway   |                        |
| 4              | NCMP Ltd.   | UK   |                        |
| 5              | SEBOTECH Co, Ltd  | Korea  |                        |
| 6              | Helitecnica Aluminum Heliports, S.L.                                    | Spain  |                        |
| <b>Product</b> | <b>8</b>  | <b>Barge Bumper Shock Cell</b>   |                        |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>   | <b>Remark/Note</b>     |
| 1              | Hi-Tech Elastomers Ltd, Ahmedabad                                       | India  |                        |
| 2              | IRM Offshore and Marine Engineers                                       | India  |                        |
| 3              | Trelleborg Hercules Pte.Ltd.  | Singapore  |                        |
| <b>Product</b> | <b>9</b>  | <b>Rubber Strips</b>   |                        |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>   | <b>Remark/Note</b>     |
| 1              | Hi-Tech Elastomers Ltd, Ahmedabad                                       | India  |                        |
| 2              | IRM Offshore and Marine Engineers                                       | India  |                        |
| 3              | Trelleborg Hercules Pte.Ltd.  | Singapore  |                        |
| <b>Product</b> | <b>10</b>   | <b>Single Point CALM Buoy System and conventional boat mooring system (SALM)</b> |                        |
| <b>S. No.</b>  | <b>Vendor</b>   | <b>Country</b>   | <b>Remark/Note</b>     |
| 1              | Blue Water Energy Services  | Netherlands  |                        |
| 2              | Single Buoy Moorings Inc. (SBM Inc.)                                    | Switzerland  |                        |

# Indicates changes in Rev No. : 12.2

| <b>Architectural</b> |   |   |                                  |  |
|----------------------|---|---|----------------------------------|--|
| <b>Product</b>       | <b>1</b>  | <b>External Fire Proofing H rated</b>           |                                  |  |
| <b>S. No.</b>        | <b>Vendor</b>                                       | <b>Country</b>                                  | <b>Remark/Note</b>               |  |
| 1                    | Specialist Services                                 | Dubai   |                                  |  |
| 2                    | Booth Engineering Ltd.                              | UK  |                                  |  |
| 3                    | Van Dam   | Netherlands                                     |                                  |  |
| 4                    | Solent Composite Solutions (SCS) Ltd                | United Kingdom                                  | <b>(Composite Material only)</b> |  |
| <b>Product</b>       | <b>2</b>  | <b>External Fire Proofing A Rated</b>           |                                  |  |
| <b>S. No.</b>        | <b>Vendor</b>                                       | <b>Country</b>                                  | <b>Remark/Note</b>               |  |
| 1                    | Specialist Services                                 | Dubai   |                                  |  |
| 2                    | Booth Engineering Ltd                               | UK  |                                  |  |
| 3                    | Van Dam   | Netherlands                                     |                                  |  |
| 4                    | Mech Tools Engineering                              | UK  |                                  |  |
| 5                    | Solent Composite Solutions (SCS) Ltd                | United Kingdom                                  | <b>(Composite Material only)</b> |  |
| <b>Product</b>       | <b>3</b>  | <b>Internal Fire Wall A rated &amp; B rated</b> |                                  |  |
| <b>S. No.</b>        | <b>Vendor</b>                                       | <b>Country</b>                                  | <b>Remark/Note</b>               |  |
| 1                    | Specialist Services                                 | Dubai   |                                  |  |
| 2                    | Booth Engineering Ltd.                              | UK  |                                  |  |
| 3                    | Van Dam   | Netherlands                                     |                                  |  |
| 4                    | Mech Tools Engineering                              | UK  |                                  |  |
| 5                    | IMAC  | Sweden  |                                  |  |
| 6                    | BD System   | UK  |                                  |  |
| 7                    | Shinsung Engg.                                      | South Korea                                     |                                  |  |
| 8                    | InterDam BV (A rated only)                          | The Netherlands                                 |                                  |  |
| 9                    | Sungmi Co Ltd                                       | Korea   |                                  |  |
| 10                   | Solent Composite Solutions (SCS) Ltd (A rated only) | United Kingdom                                  | <b>(Composite Material only)</b> |  |
| 11                   | STACO Co Ltd  | Korea   |                                  |  |
| <b>Product</b>       | <b>4</b>  | <b>Pre Fabricated Toilet System</b>             |                                  |  |
| <b>S. No.</b>        | <b>Vendor</b>                                       | <b>Country</b>                                  | <b>Remark/Note</b>               |  |
| 1                    | Specialist Services                                 | Dubai (UAE)                                     |                                  |  |
| 2                    | Flush Metal partition Corporation                   | UK  |                                  |  |
| 3                    | Norac AS  | Norway  |                                  |  |
| 4                    | Shinsung Engg.& Archi Co Ltd.                       | Korea   |                                  |  |
| 5                    | Sungmi Co Ltd                                       | Korea   |                                  |  |

|                |  |                                   |                 |                        |
|----------------|--|-----------------------------------|-----------------|------------------------|
| 6              | STACO Co Ltd   |                                   | Korea           |                        |
| <b>Product</b> | <b>5</b>   | <b>B-15 Suspended Ceiling</b>     |                 |                        |
| <b>S. No.</b>  | <b>Vendor</b>  |                                   | <b>Country</b>  | <b>Remark/Note</b>     |
| 1              | TNF Ceiling  |                                   | Denmark         |                        |
| 2              | STACO (Shinsung Total Accommodation System)            |                                   | South Korea     |                        |
| 3              | BD System  |                                   | UK              |                        |
| 4              | IMAC   |                                   | Sweden          |                        |
| 5              | USG Ceiling, New Delhi                                 |                                   | India           |                        |
| 6              | Sungmi Co Ltd  |                                   | Korea           |                        |
| <b>Product</b> | <b>6</b>   | <b>Floor Screed / Underlay</b>    |                 | <b>Product Deleted</b> |
| <b>Product</b> | <b>7</b>   | <b>Vinyl Tiles / Vinyl Sheets</b> |                 |                        |
| <b>S. No.</b>  | <b>Vendor</b>  |                                   | <b>Country</b>  | <b>Remark/Note</b>     |
| 1              | Marley Floors  |                                   |                 | <b>On Hold-B1</b>      |
| 2              | Armstrong  |                                   | USA             |                        |
| 3              | LG Chemicals   |                                   | South Korea     |                        |
| 4              | Tarkett Sweden/Tarkett Hong Kong Ltd.                  |                                   | Sweden/Hongkong |                        |
| <b>Product</b> | <b>8</b>   | <b>Ceramic Tiles</b>              |                 |                        |
| <b>S. No.</b>  | <b>Vendor</b>  |                                   | <b>Country</b>  | <b>Remark/Note</b>     |
| 1              | Pilkington   |                                   | USA             |                        |
| 2              | Woomi Ceramics   |                                   | South Korea     | <b>On Hold-B1</b>      |
| 3              | Armstrong  |                                   | USA             |                        |
| 4              | Marley Floors  |                                   |                 | <b>On Hold-B1</b>      |
| 5              | H & R Johnson Tiles Limited                            |                                   | UK              |                        |
| 6              | Prism Johnson Limited - H & R Johnson (India) Division |                                   | India           |                        |
| <b>Product</b> | <b>9</b>   | <b>Access Floor System</b>        |                 |                        |
| <b>S. No.</b>  | <b>Vendor</b>  |                                   | <b>Country</b>  | <b>Remark/Note</b>     |
| 1              | Tate Floor   |                                   | USA             |                        |
| 2              | Gamma Industries                                       |                                   | France          |                        |
| 3              | Van Dam  |                                   | Netherlands     |                        |
| 4              | MERO   |                                   | Germany         |                        |

| Product | 10  | External Fire Proofing Coating H Rated |                           |
|---------|---|--|---------------------------|
| S. No.  | Vendor  | Country                                | Remark/Note               |
| 1       | Liquid Plastic Ltd                                  | UK                                     |                           |
| 2       | Chartek IV, Ms Textron Speciality Material          | USA                                    |                           |
| 3       | Thermolag 2000, M/s Thermal Science Inc             | UK                                     |                           |
| Product | 11  | H-60 & A-60 Fire Rated Door            |                           |
| S. No.  | Vendor  | Country                                | Remark/Note               |
| 1       | Specialist Services                                 | Dubai                                  |                           |
| 2       | Booth Engineering Ltd.                              | UK                                     |                           |
| 3       | Van Dam   | Netherlands                            |                           |
| 4       | Sung Mi Geun Cheul                                  | Korea                                  |                           |
| 5       | STACO (Shinsung Total Accommodation System)         | Korea                                  |                           |
| 6       | Rapp Bomek AS                                       | Norway                                 |                           |
| 7       | Solent Composite Solutions (SCS) Ltd (A rated only) | United Kingdom                         | (Composite Material only) |
| 8       | Sung Mi Co., Ltd (for A-60 fire rated door only)    | Korea                                  |                           |
| 9       | E.S TECH MARINE Co. (for A-60 fire rated door only) | Korea                                  |                           |
| Product | 12  | B-15 Fire Rated Door                   |                           |
| S. No.  | Vendor  | Country                                | Remark/Note               |
| 1       | Specialist Services                                 | Dubai                                  |                           |
| 2       | Booth Engineering Ltd.                              | UK                                     |                           |
| 3       | Van Dam   | Netherlands                            |                           |
| 4       | Mech Tools Engineering                              | UK                                     |                           |
| 5       | IMAC  | Sweden                                 |                           |
| 6       | BD System   | UK                                     |                           |
| 7       | STACO (Shinsung Total Accommodation System)         | Korea                                  |                           |
| 8       | Sung Mi Geun Cheul                                  | Korea                                  |                           |
| 9       | Sung Mi Co., Ltd                                    | Korea                                  |                           |

|         |                                   |                                |         |             |
|---------|-----------------------------------|--------------------------------|---------|-------------|
| Product | 13                                | A-60 Fire Rated Window         |         |             |
| S. No.  | Vendor                            |                                | Country | Remark/Note |
| 1       | Samgong Co Ltd                    |                                | Korea   |             |
| 2       | Nordam A/S                        |                                | Norway  |             |
| 3       | Jung Gong Co.                     |                                | Korea   |             |
| 4       | JUNG GONG IND.CO.,LTD             |                                | Korea   |             |
| Product | 14                                | A-0 Fire Rated Rolling Shutter |         |             |
| S. No.  | Vendor                            |                                | Country | Remark/Note |
| 1       | Atlas Door                        |                                |         |             |
| 2       | Bolton Gate co.Ltd                |                                | UK      |             |
| Product | 15                                | Insulation                     |         |             |
| S. No.  | Vendor                            |                                | Country | Remark/Note |
| 1       | Lloyd Insulation (I) Ltd. N Delhi |                                | India   |             |
| 2       | Rockwool A/S                      |                                | Denmark |             |
| 3       | KCC Corporation                   |                                | Korea   |             |
| 4       | Thermal Ceramics                  |                                | UK      |             |
| *****   |                                   |                                |         |             |

| Infocom |   |                            |             |  |
|---------|---|----------------------------|-------------|--|
| Product | 1   | Paging and Intercom System |             |  |
| S. No.  | Vendor  | Country                    | Remark/Note |  |
| 1       | GAI-TRONICS S.r.l.  | USA / Italy                |             |  |
| 2       | Federal Signal Corporation  | USA / UK                   |             |  |
| 3       | PSC - Vodec   | UK                         |             |  |
| 4       | Comtrol Pte Ltd.  | Singapore                  |             |  |
| Product | 2   | Telephone System           |             |  |
| S. No.  | Vendor  | Country                    | Remark/Note |  |
| 1       | Progility Technologies Pvt Ltd  | India                      |             |  |
| 2       | Federal Signal  | UK                         |             |  |
| 3       | Tadiran Telecom Ltd   | Israel                     |             |  |
| Product | 3   | Radio System               |             |  |
| S. No.  | Vendor  | Country                    | Remark/Note |  |
| 1       | Southern Avionics Company   | USA                        |             |  |
| 2       | Park Electronics Ltd  | UK                         |             |  |
| 3       | Amplidan  |                            | On Hold-B1  |  |
| 4       | Jotron  | Norway                     |             |  |
| 5       | Thrane & Thrane A/S   | Denmark                    |             |  |
| 6       | MOTOROLA (VHF Portable Radio Sets & Accessories)                            | USA                        |             |  |
| 7       | Furuno Electric Co Ltd (only for VHF and HF-SSB system including antennae)  | Japan                      |             |  |
| Product | 4   | CCTV System                |             |  |
| S. No.  | Vendor  | Country                    | Remark/Note |  |
| 1       | BOSCH   | Germany                    |             |  |
| 2       | HERNIS SCAN SYSTEM  | Norway                     |             |  |
| 3       | PELCO   | USA                        |             |  |
| 4       | Vicon Industries Ltd  | UK                         |             |  |
| 5       | Technocrats Security Systems Pvt. Ltd (as a Packager of OEM, M/s PELCO,USA) | India                      |             |  |

**PROFORMA OF UNDERTAKING (Refer Important Notes Clause 5(a))**  
**(from the enlisted vendor)**

We <name of the Principal/ enlisted vendor with location> declare that the < name of the vendor with location to be accepted> is our subsidiary unit with our stake more than 50%

We guarantee that < name of the vendor to be accepted> shall follow the same design, manufacturing, quality processes and testing standards of the <name of product> as that of the < name of the Enlisted vendor in Suggested Vendor List>.

And < name of the vendor to be accepted > shall comply with the Functional Specification.

We also stand warranty for the item supplied for a period of \_\_\_\_ years.

We guarantee for supply of spares and provide maintenance support in India for the entire life cycle of the item / equipment (i.e. 7 years in case of electronic equipment/ items and 10 years in case of mechanical equipment/ items).

(Authorized Signatory of Principal/enlisted vendor)

**PROFORMA OF UNDERTAKING (Refer Important Notes Clause 5(c))**  
**(from enlisted vendor/ from foreign partner who meets the enlistment criteria)**

We <name of the Principal/enlisted vendor/ foreign partner who meets the enlistment criteria with location> declare that the < name of the partner in India> is our Joint venture partner in India with our \_\_\_\_% stake.

We guarantee that < name of the joint venture to be accepted> shall follow the same design, manufacturing, quality processes and testing standards of the <name of product> as that of the < name of the Enlisted vendor in Suggested Vendor List/ foreign partner who meets the enlistment criteria >.

And < name of the joint venture to be accepted > shall comply with the Functional Specification.

We agree for the Factory inspection to ascertain the capability of <name of Joint Venture Company>.

We also stand warranty for the item supplied for a period of \_\_\_\_ years.

We guarantee for supply of spares and provide maintenance support in India for the entire life cycle of the item / equipment (i.e. 7 years in case of electronic equipment/ items and 10 years in case of mechanical equipment/ items).

(Authorized Signatory of Principal/enlisted vendor/foreign partner who meets the enlistment criteria)

**PROFORMA OF UNDERTAKING (Refer Important Notes Clause 5(c ))**  
**(from Indian partner)**

We <name of the Indian partner> declare that the < name of the enlisted vendor/ foreign partner who meets the enlistment criteria > is our Joint venture partner in India with our \_\_\_\_% stake.

We guarantee that < name of the joint venture to be accepted > shall follow the same design, manufacturing, quality processes and testing standards of the <name of product> as that of the < name of the Enlisted vendor in Suggested Vendor List/ foreign partner who meets the enlistment criteria >.

And < name of the joint venture to be accepted > shall comply with the Functional Specification.

We agree for the Factory inspection to ascertain the capability of <name of Joint Venture Company>.

We also stand warranty for the item supplied for a period of \_\_\_\_ years.

We guarantee for supply of spares and provide maintenance support in India for the entire life cycle of the item / equipment (i.e. 7 years in case of electronic equipment/ items and 10 years in case of mechanical equipment/ items).

(Authorized Signatory of Indian Partner)



**Annexure-IV**

**PROFORMA OF UNDERTAKING**  
**(Refer Important Notes Clause 5(d ))**

**(From the enlisted foreign vendor having Technical License agreement with the Indian Company for manufacturing facilities in India)**

We <name of the enlisted foreign vendor with location> guarantee that < name of the Indian company to be accepted with manufacturing location in India > shall follow the same design, manufacturing, quality processes and testing standards of the <name of product> as that of the < name of the Enlisted vendor in Suggested Vendor List> and shall comply with the Functional Specification.

We undertake the full responsibility of quality of product to be supplied by <name of the Indian company to be accepted with manufacturing location in India >

We further understand that if, the product manufactured by the Indian company fails to maintain the same design, manufacturing, quality processes and testing standards of the <name of product> as that of the < name of the enlisted foreign vendor in Suggested Vendor List>, the Company reserves the rights of delisting us <name of the enlisted vendor with location in Suggested Vendor List > for <name of product> in Suggested Vendor List.

In case of cancellation as well as renewal of technical license agreement, we shall inform ONGC well in advance.

**(Authorized Signatory of enlisted foreign vendor)**

**PROFORMA OF UNDERTAKING (From Indian Company)**  
**(Refer Important Notes Clause 5(d ))**

We <name of the Indian Company> declare that the < name of the enlisted foreign vendor > has Technical License agreement with us for <name of product>

We guarantee that <name of the Indian Company> shall follow the same design, manufacturing, quality processes and testing standards of the <name of product> as that of the < name of the Enlisted foreign vendor in Suggested Vendor List>.

We <name of the Indian Company> shall possess all the accreditations required for the product and also comply with the functional specifications.

We agree for the Factory inspection to ascertain the capability of <name of the Indian Company>.

We also stand warranty for the item supplied for a period of \_\_\_\_ years.

We guarantee for supply of spares and provide maintenance support in India for the entire life cycle of the item / equipment (i.e. 7 years in case of electronic equipment/ items and 10 years in case of mechanical equipment/ items).

In case of cancellation as well as renewal of technical license agreement, we shall inform ONGC well in advance.

**(Authorized Signatory of Indian Company)**