



ASSAM PETRO-CHEMICALS LIMITED

(A Government of Assam Undertaking) | An ISO 9001:2008 Certified Company
CIN- U24116AS1971SGC001339, GSTN: 18AABCA6913A1Z6

Head Office & Factory Site:
Assam Petro-chemicals Ltd., Namrup, P.O. Parbatpur,
District: Dibrugarh, Assam-786623
Phone: (0374) 2500331/2500246/2500518, Fax: (0374) 2500231
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Ref No: APL/Proj/Formalin-II/2019/1546

Date: 13/07/2019

Corrigendum - 5

Name of Work: Transhipment facility works of APL at Boitamari, Assam
Tender Number: TCE.6842A-CV-3000-3003 dated 13th June, 2019

The modification/ additional information of the above mentioned Tender document is attached here.

| S. No. | Location | Stated in NIT and subsequent Corrigendum | Statement to be read as |
|--------|--|--|--|
| 1. | Section 5, Physical properties in Process Design Basis Report, Sheet 4 of 12. | “Auto ignition temperature of Methanol was considered as 470 Deg C.” | “Auto ignition temperature of Methanol as 440 Deg C.” |
| 2. | Section 14, Hazardous Area Classification in Process Design Basis Report, Sheet 12 of 12 | “Dyke area and gantry area shall be classified as Zone 1, gas group II A and temperature class T1.” | “Dyke area and gantry area shall be classified as Zone 1, gas group II A and temperature class T2.” |
| 3. | Section 2, List of Major Structures / Buildings in Design Basis Report for Civil, Structural and Infrastructure Facilities | “Item 4. Methanol pump shed for loading and unloading pumps (2 numbers)” | “Item 4. Methanol pump shed for loading and unloading pumps (2 numbers) along with respective Monorail and hoist arrangement for maintenance of pumps.” |
| 4. | Additional Approved Vendor List | Approved Vendor list for Electrical and Instrumentation provided along with NIT or will be furnished during detailed Engineering as stated in NIT. | Additional Approved Vendor List for Mechanical, Process Equipment and Piping(TCE-6842A-953 - LIST OF APPROVED MAKES / VENDORS - II) and Civil (TCE-6842A-CV-3000-3003 - LIST OF SUGGESTED VENDORS AND MAKES FOR CIVIL, STRUCTURAL AND FINISHING WORKS) |
| 5. | Section 2.6, Spares in Spares and Maintenance Tools and Tackles of NIT | | New Information: “Bidder to Supply Mandatory Spares (Essential and Recommended Spares), |



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Email: npapl@sancharnet.in, admin_apl@assampetrochemicals.co.in

| S. No. | Location | Stated in NIT and subsequent Corrigendum | Statement to be read as |
|--------|--|--|---|
| | | | Commissioning Spares and Tools and Tackles.” |
| 6. | Section 2.7, Spares in Spares and Maintenance Tools and Tackles of NIT | | New Information: “Bidder to Provide list of maintenance spares for 3 years Operation of all systems and equipment along with cost.” |
| 7. | Section 2.2. Handling of P&IDs in Scope of Work for Process of NIT | “2.2.1. EPC CONTRACTOR shall update and issue Tender documents to Owner/ PMC for review, as noted, at the following stages:” | “2.2.1. EPC CONTRACTOR shall update, and issue the documents provided along with the Tender, to Owner/ PMC for review, as noted, at the following stages:” |
| 8. | HAZOP Study | Considered in Section 1.20.(K), of Scope of Work in Scope of Works for Instrumentation and Control of NIT | To be considered in both Section 1.20.(K), of Scope of Work in Scope of Works for Instrumentation and Control of NIT and Section 1.2.(8), of Process Scope of Work of Scope of Work for Process |
| 9. | All Statutory Approvals | Mentioned in Piping scope of work | To be applicable to all disciplines. |

Additional list of approved makes / Vendors list is also attached herewith which is required to be considered by Bidders.

**Sd/-
Managing Director**

SPEC.NO.

TATA CONSULTING ENGINEERS LIMITED

SECTION: D

TCE-6842A-953

LIST OF APPROVED MAKES / VENDORS - II

SHEET : 1 of 13

| | |
|------|---|
| 1.0. | CENTRIFUGAL HORIZONTAL PUMPS (API) |
| 1.1 | FLOWSERVE INDIA CONTROLS PVT LTD. |
| 1.2 | SULZER |
| 1.3 | ITT CORPORATION INDIA PVT LTD |
| 1.4 | KSB PUMPS LIMITED |
| 2.0 | TRUCK LOADING ARMS |
| 2.1 | WOODFIELD SYSTEMS INTERNATIONAL PVT. LTD. |
| 2.2 | LOADTEC ENGINEERED SYSTEMS LTD. |
| 2.3 | KANON LOADING EQUIPMENT |
| 2.4 | LLOYDS FMC |
| 3.0 | 3.0 VERTICAL SUMP PUMPS |
| 3.1 | AKAY INDUSTRIES PVT. LTD. |
| 3.2 | ITT GOULDS PUMPS INC |
| 3.3 | SPX PUMPS (INDIA) LTD. |
| 3.4 | KIRLOSKAR BROTHERS LTD. |
| 3.5 | SULZER PUMPS INDIA LTD. |
| 3.6 | SU MOTORS |
| 4.0 | 4.0 WEIGH-BRIDGES |
| 4.1 | MINEBEA INTEC INDIA PVT. LTD. (FORMERLY SARTORIUS MECHATRONICS INDIA PVT.LTD) |
| 4.2 | AVERY WEIGH-TRONIX |
| 4.3 | RICE LAKE WEIGHING SYSTEMS INDIA LTD |
| 4.4 | METTLER-TOLEDO INDIA PRIVATE LIMITED |
| 5.0 | 5.0 FIRE PROTECTION SYSTEM |
| 5.1 | METEC DESIGN AND CONSTRUCTION ENGINEERS INDIA LTD. |
| 5.2 | STERLING AND WILSON |
| 5.3 | EXTINCT FIRE |
| 6.0 | HEATING, VENTILATION AND AIR CONDITIONING |
| 6.1 | M/S STERLING & WILSON |
| 6.2 | M/S VOLTAS LTD. |
| 6.3 | M/S BLUE STAR |
| 6.4 | M/S CARRIER |
| 7.0 | PLATES (CS / SS / LAS / CLAD) |
| 7.1 | ESSAR STEEL, INDIA |

ISSUE
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SPEC.NO.

TATA CONSULTING ENGINEERS LIMITED

SECTION: D

TCE-6842A-953

LIST OF APPROVED MAKES / VENDORS - II

SHEET : 2 of 13

| | |
|------|--|
| 7.2 | STEEL AUTHORITY OF INDIA, INDIA |
| 7.3 | LLOYDS STEEL INDUSTRIES LTD, INDIA |
| 8.0 | VENTILATION FANS |
| 8.1 | M/S KRUGER |
| 8.2 | M/S NICOTRA |
| 8.3 | M/S GREENHECK |
| 8.4 | M/S NADI |
| 8.5 | M/S CARYAIRE |
| 8.6 | M/S ALSTOM |
| 9.0 | SPLIT AIR CONDITIONERS |
| 9.1 | M/S BLUESTAR |
| 9.2 | M/S VOLTAS |
| 9.3 | M/S HITACHI |
| 9.4 | M/S TOSHIBA |
| 10 | AIR HANDLING UNITS |
| 10.1 | M/S BLUESTAR |
| 10.2 | M/S CARYAIRE |
| 10.3 | M/S ZECO |
| 10.4 | M/S EDGETECH |
| 11 | CHAIN PULLEY BLOCK |
| 11.1 | ANUPAM INDUSTRIES LTD. |
| 11.2 | BRADY & MORRIS ENGINEERING CO. LTD. |
| 11.3 | HERCULES HOISTS LTD. |
| 11.4 | HI-TECH INDUSTRIES |
| 11.5 | MEEKA MACHINERY PVT. LTD. |
| 12 | PIPES ERW CS |
| 12.1 | JINDAL PIPES LTD., MUMBAI |
| 12.2 | RATNAMANI METALS & TUBES LTD., AHMEDABAD |
| 12.3 | WELSPUN GUJARAT STAHL ROHREN LTD., MUMBAI |
| 12.4 | ISMT LIMITED, PUNE |
| 12.5 | SURINDRA ENGINEERING CO. PVT. LTD., MUMBAI |
| 12.6 | LALIT PIPES |
| 13 | PIPES EFW CS |
| 13.1 | JINDAL SAW LTD. (FORMERLY SAW PIPES LTD), MUMBAI |

ISSUE
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| SPEC.NO. TCE-6842A-953 | TATA CONSULTING ENGINEERS LIMITED | SECTION: D |
| | LIST OF APPROVED MAKES / VENDORS - II | SHEET : 3 of 13 |

| | |
|------|---|
| 13.2 | LALIT PIPES & PIPES LTD., NAVI MUMBAI |
| 13.3 | PSL LIMITED, MUMBAI |
| 13.4 | RATNAMANI METALS & TUBES LTD., AHMEDABAD |
| 13.5 | SURINDRA ENGINEERING CO. PVT. LTD., MUMBAI / MUKAT PIPES |
| 13.6 | WELSPUN GUJARAT STAHL ROHREN LTD., MUMBAI |
| 13.7 | MAN INDUSTRIES |
| 13.8 | MUKAT PIPES |
| 14 | PIPES SEAMLESS CS |
| 14.1 | DALMINE S.P.A., ITALY (ONLY FOR 16" AND ABOVE SIZE) |
| 14.2 | HORST KURVERS GMBH, GERMANY (ONLY FOR 16" AND ABOVE SIZE) |
| 14.3 | INOXTECH S.P.A, ITALY (ONLY FOR 16" AND ABOVE SIZE) |
| 14.4 | ISMT LIMITED, PUNE |
| 14.5 | JINDAL SAW LTD. (FORMERLY SAW PIPES LTD), MUMBAI |
| 14.6 | MAHARASHTRA SEAMLESS LTD., MUMBAI |
| 14.7 | BHARAT HEAVY ELECTRICAL LTD. |
| 14.8 | RATNADEEP METAL & TUBES PVT. LTD |
| 14.9 | HEAVY METAL & TUBES LIMITED |
| 15 | PIPES SS SEAMLESS & WELDED |
| 15.1 | RATNAMANI METALS & TUBES LTD., AHMEDABAD |
| 15.2 | SANDVIK ASIA LTD., PUNE |
| 15.3 | RAJENDRA MECHANICAL INDUSTRIES LTD (FOR SS/ AL SEAMLESS & WELDED) (REMI EDELSTAHL TUBULARS LIMITED) |
| 15.4 | PRAKASH STEELAGE LTD, SILVASA |
| 15.5 | SUMITOMO PIPE CO & TUBE CO. LIMITED. |
| 15.6 | RATNADEEP METAL & TUBES PVT.LTD. |
| 15.7 | SURAJ STAINLESS LIMITED |
| 16 | FITTINGS WROUGHT / FORGED FITTINGS(CS/AS/SS) |
| 16.1 | EBY FASTENERS, TALOJA |
| 16.2 | GUJARAT INFRAPIPES PVT. LTD., VADODARA |
| 16.3 | TECNOFORGE S.P.A, ITALY |
| 16.4 | TEEKAY TUBES PVT.LTD., NAVI MUMBAI |
| 16.5 | TUBE PRODUCTS INCORPORATE, VADODARA |
| 16.6 | VAN LEEUWEN BUIZEN, BELGIUM |
| 16.7 | PIPEFIT ENGINEERS |
| 16.8 | SAWAN ENGINEERS |
| 16.9 | AMFORGE INDUSTRIES |

SPEC.NO.

TATA CONSULTING ENGINEERS LIMITED

SECTION: D

TCE-6842A-953

LIST OF APPROVED MAKES / VENDORS - II

SHEET : 4 of 13

| | |
|------|--|
| 17 | FITTINGS WROUGHT / FORGED FITTINGS(CS/AS/SS) |
| 17.1 | FIT TECH INDUSTRIES PVT. LTD. |
| 17.2 | ECHJAY INDUSTRIES PVT. LTD. MUMBAI.(M) |
| 17.3 | PARAMOUNT FORGE, PANVEL.(M) (UPTO 1.5 INCH) |
| 17.4 | PARMAR TECHNOFORGE,PUNE(M) (UPTO 6 INCH) |
| 17.5 | ASIAN BOILER ENGINEERS,MUMBAI.9M)(PIPE FITTINGS - IBR) |
| 18 | FLANGE- FORGED/ PLATE (CS/AS/SS) |
| 18.1 | C.D. ENGINEERING COMPANY, GHAZIABAD |
| 18.2 | ECHJAY INDUSTRIES LTD., RAJKOT |
| 18.3 | J.K. FORGINGS, NEW DELHI |
| 18.4 | SHREE GANESH FORGINGS LTD., MUMBAI |
| 18.5 | SANGHVI FORGING |
| 18.6 | PARAMOUNT FORGE |
| 18.7 | BRITEX ENGINEERING |
| 18.8 | FIVEBROS FORGINGS PVT. LTD. |
| 19.2 | SAWAN ENGINEERS |
| 19.3 | PIPEFIT ENGINEERS PVT. LTD |
| 19.4 | PARMAR TECHNOFORGE |
| 19 | BLIND, SPACERS & SPECTACLE BLINDS |
| 19.1 | C.D. ENGINEERING COMPANY, GHAZIABAD |
| 19.2 | ECHJAY INDUSTRIES LTD., RAJKOT |
| 19.3 | J.K. FORGINGS, NEW DELHI |
| 19.4 | SHREE GANESH FORGINGS LTD., MUMBAI |
| 19.5 | SANGHVI FORGING |
| 19.6 | PARAMOUNT FORGE |
| 19.7 | BRITEX ENGINEERING |
| 19.8 | FIVEBROS FORGINGS PVT. LTD. |
| 20 | VALVES-GATE,GLOBE,CHECK(CAST/FORGED)-CS/AS/SS |
| 20.1 | BDK ENGINEERING INDUSTRIES PVT.LTD., PUNE |
| 20.2 | LARSEN & TOUBRO LTD., MUMBAI |
| 20.3 | NITON VALVE INDUSTRIES LTD., MUMBAI |
| 20.4 | OSWAL INDUSTRIES LTD, GANDHINAGAR |
| 20.5 | AUTOCAP INDUSTRIES CHENNAI (0.5 INCH TO 1.5 INCH NB CLASS 800) |
| 20.6 | NSSL Limited |
| 20.7 | PANCHAVATI VALVES & FLANGES PVT. LIMITED, NASHIK |
| 20.8 | STEELSTRONG VALVES (I) PVT LTD., NAVI MUMBAI |
| 20.9 | SHALIMAR VALVES PVT LIMITED, NAVI MUMBAI |

ISSUE
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SPEC.NO.

TATA CONSULTING ENGINEERS LIMITED

SECTION: D

TCE-6842A-953

LIST OF APPROVED MAKES / VENDORS - II

SHEET : 5 of 13

| | |
|------|---|
| 21 | VALVE CHECK(DUAL PLATE WAFER TYPE)CS |
| 21.1 | BDK ENGINEERING INDUSTRIES PVT.LTD., PUNE |
| 21.2 | CRANE PROCESS FLOW TECHNOLOGIES, INDIA |
| 21.3 | MICROFINISH VALVES PVT. LTD. |
| 21.4 | ADVANCE VALVES PVT. LTD. |
| 21.5 | GOODWIN INTERNATIONAL LTD., U.K. |
| 21.6 | NITON VALVES |
| 21.7 | LARSEN & TOUBRO |
| 21.8 | OSWAL INDUSTRIES LTD, GANDHINAGAR |
| 22 | VALVE BALL FIRE SAFE(CAST CARBON STEEL/SS) |
| 22.1 | FLOW CHEM INDUSTRIES, AHMEDABAD |
| 22.2 | LARSEN & TOUBRO LTD., MUMBAI |
| 22.3 | MICROFINISH VALVES PVT. LTD., MUMBAI |
| 22.4 | REYNOLD VALVES LTD, MUMBAI |
| 22.5 | VIRGO ENGINEERS LTD., NAVI MUMBAI |
| 22.6 | B.D.K.ENGINEERING INDUSTRIES LTD. MUMBAI.(M) |
| 22.7 | BHARAT HEAVY ELECTRICALS LTD. TIRUCHIRAPPALLI.(M) |
| 22.8 | AKAY INDUSTRIES. MUMBAI.(M) |
| 23 | VALVE BUTTERFLY(CARBON STEEL/SS) |
| 23.1 | BDK ENGINEERING INDUSTRIES PVT.LTD., PUNE |
| 23.2 | CRANE PROCESS FLOW TECHNOLOGIES (I) LTD., PUNE |
| 23.3 | LARSEN & TOUBRO LTD., MUMBAI |
| 23.4 | TYCO VALVES & CONTROLS INDIA PVT LTD, NAVI MUMBAI |
| 23.5 | ADVANCE VALVES PVT. LTD.NOIDA.(M) |
| 23.6 | BHARAT HEAVY ELECTRICALS LTD. TIRUCHIRAPPALLI.(M) |
| 23.7 | FOURES ENGG. (I) PVT. LTD. MUMBAI.(M) |
| 23.8 | DEMBLA VALVES LTD |
| 23.9 | INTERVALVE(INDIA) LTD, PUNE |
| 24 | VALVE BUTTERFLY(STAINLESS STEEL) |
| 24.1 | CRANE PROCESS FLOW TECHNOLOGIES (I) LTD., PUNE |
| 24.2 | LARSEN & TOUBRO LTD., MUMBAI |
| 24.3 | TYCO VALVES & CONTROLS INDIA PVT LTD, NAVI MUMBAI |
| 24.4 | ADVANCE VALVES PVT. LTD.NOIDA.(M) |
| 24.5 | BHARAT HEAVY ELECTRICALS LTD. TIRUCHIRAPPALLI.(M) |
| 24.6 | FOURES ENGG. (I) PVT. LTD. MUMBAI.(M) |
| 24.7 | DEMBLA VALVES LTD |

ISSUE
R1

SPEC.NO.

TCE-6842A-953

TATA CONSULTING ENGINEERS LIMITED**LIST OF APPROVED MAKES / VENDORS - II**

SECTION: D

SHEET : 6 of 13

| | |
|------|---|
| 25 | VALVE NEEDLE |
| 25.1 | EXCELSIOR ENGINEERING WORKS, MUMBAI |
| 25.2 | LEADER VALVES LTD., JALANDHAR |
| 25.3 | SWASTIK ENGINEERING WORKS, MUMBAI |
| 25.4 | TECHNOMATICS (I) PVT. LTD., MUMBAI |
| 26 | PLUG VALVES |
| 26.1 | BDK ENGINEERING INDUSTRIES PVT.LTD., PUNE |
| 26.2 | BREDA ENERGIA SESTO INDUSTRIA S.P.A, ITALY |
| 26.3 | DEZURIK (INDIA) LIMITED, CHENNAI |
| 26.4 | XOMOX SANMAR LTD., MUMBAI |
| 26.5 | LARSEN & TOUBRO LTD., MUMBAI |
| 26.6 | CHEMTROL SAMIL (INDIA) PVT. LTD, NAVI MUMBAI |
| 27 | TILT DISC CHECK VALVES |
| 27.1 | CRISPIN VALVES, INDIA |
| 27.2 | LARSEN & TOUBRO LTD., MUMBAI |
| 28 | SIGHT GLASS |
| 28.1 | BLISS ANAND PVT. LTD., NAVI MUMBAI |
| 28.2 | C-TRU PROCESS EQUIPMENTS, MUMBAI |
| 28.3 | CHEMTROLS ENGG. LTD., MUMBAI |
| 28.4 | LEVCON INSTRUMENTS PVT. LTD., MUMBAI |
| 28.5 | PRATOLINA INSTRUMENTS PVT. LTD., MUMBAI |
| 28.6 | SIGMA INSTRUMENTS, NEW DELHI |
| 28.7 | TELEFLO INSTRUMENT CO.PVT.LTD., MUMBAI |
| 29 | FASTENERS (INDIGENOUS) (FOR CS/LTCS ONLY) |
| 29.1 | ASHCROFT INDIA PVT LTD (PRECISION ENGG. IND.), BARODA |
| 29.2 | FASTENERS & ALLIED PRODUCTS PVT.LTD., HUBLI |
| 29.3 | HARDWIN FASTENERS PVT. LTD., MUMBAI |
| 29.4 | J.J. INDUSTRIES, MUMBAI |
| 29.5 | MULTI FASTENERS PVT.LTD., VADODARA |
| 29.6 | PACIFIC FORGING & FASTENERS PVT. LTD, MUMBAI |
| 29.7 | PRECISION AUTO ENGINEERS, LUDHIANA |
| 29.8 | SANDEEP ENGINEERING WORKS, MUMBAI |
| 29.9 | SUNDARAM FASTENERS, CHENNAI |

ISSUE
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|---------------------------|--|-----------------|
| SPEC.NO. TCE-6842A-953 | TATA CONSULTING ENGINEERS LIMITED | SECTION: D |
| | LIST OF APPROVED MAKES / VENDORS - II | SHEET : 7 of 13 |

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|------|--|
| 30 | GASKETS (ASBESTOS/ ASBESTOS FREE / RUBBER / PTFE /ELASTOMER / SPIRAL WOUND / JACKETED / METALLIC) |
| 30.1 | CHAMPION JOINTINGS PVT.LTD., MUMBAI |
| 30.2 | IGP ENGINEERS LTD., CHENNAI |
| 30.3 | MADRAS INDUSTRIAL PRODUCTS, CHENNAI |
| 30.4 | STARFLEX SEALING INDIA PVT. LTD. (FLEXITALLIC), MUMBAI |
| 30.5 | UNIQUE INDUSTRIAL PACKINGS, MUMBAI |
| 30.6 | UNIKLINGER LTD., PUNE |
| 30.7 | VIRCAP SEALINGTECH PVT. LTD., CHENNAI |
| 31 | HOSE RUBBER / METTALIC |
| 31.1 | ASHIT SALES CORPORATION |
| 31.2 | GAYTRI INDUSTRIAL CORPORATION, MUMBAI |
| 31.3 | INDIA FLEX INDUSTRIES PVT. LTD. |
| 31.4 | ROYAL INDIA CORPORATION, MUMBAI |
| 31.5 | SONI RUBBER PRODUCTS LTD, KOLKATA |
| 31.6 | SRIDHAR ENGINEERING AND RUBBER PROCDUCTS PVT LTD, VIJAYAWADA |
| 31.7 | UNIQUE RUBBER UDYOG, FARIDABAD |
| 31.8 | ABC SYNTHETICS PVT. LTD. |
| 31.9 | HYDROFLEX (INDIA) |
| 32 | SPRING SUPPORTS |
| 32.1 | PIPE HANGERS AND SUPPORTS PVT. LTD., CHENNAI |
| 32.2 | PIPING & ENERGY PRODUCTS PVT. LTD., NEW DELHI |
| 32.3 | SARATHI ENGINEERING ENTERPRISE, HYDERABAD |
| 32.4 | SPRING SUPPORTS MFG. COMPANY, KOLKATA |
| 32.5 | TECHNO INDUSTRY |
| 32.6 | SHREE UMA PIPE MANUFACTURING CO. CALCUTTA.(M) |
| 33 | STRAINERS(FAB/CAST/FORGED) |
| 33.1 | BOMBAY CHEMICAL EQUIPMENTS, MUMBAI |
| 33.2 | GRAND PRIX FAB (P) LTD, NEW DELHI |
| 33.3 | GUJARAT OTOFILT, AHMEDABAD |
| 33.4 | MULTITEX FILTRATION ENGINEERS PVT. LTD., NEW DELHI |
| 33.5 | SPIRAX MARSHALL LTD, PUNE |
| 33.6 | OTOKLIN |
| 33.7 | GUPTA WORKSHOP. MUMBAI |
| 33.8 | UNI KLINGER LIMITED. MUMBAI.(M) |
| 33.9 | BHARATI ENGINEERING COMPANY. THANE.(M) |

SPEC.NO.

TATA CONSULTING ENGINEERS LIMITED

SECTION: D

TCE-6842A-953

LIST OF APPROVED MAKES / VENDORS - II

SHEET : 8 of 13

| | |
|------|--|
| 34 | GRATINGS |
| 34.1 | ALLIED ENGINEERING CORPORATION |
| 34.2 | GREATWELD STEEL GRATINGS PVT. |
| 34.3 | INDIANA ENGINEERING WORKS (BOMBAY) PVT. LTD. |
| 34.4 | SWATHI ENGINEERS |
| 34.5 | WEST COAST ENGINEERING WORKS PVT. LTD. |
| 34.6 | BPCL CATEGORY -(GRATINGS GALVANISED) |
| 34.7 | GUPTA WORKSHOP.MUMBAI.(M) |
| 34.8 | ERCON COMPOSITES.JODHPUR.(M) |
| 34.9 | INDUSTRIAL PLASTICS.MUMBAI(M) |
| | |
| 35 | CPVC PIPES & VALVES |
| 35.1 | ASTRAL |
| 35.2 | GEORGE FISCHER |

ISSUE
R1

SPEC.NO.

TATA CONSULTING ENGINEERS LIMITED

SECTION: D

TCE-6842A-953

LIST OF APPROVED MAKES / VENDORS - II

SHEET : 9 of 13

| | FIRE PROTECTION EQUIPMENT | APPROVED VENDORS |
|----|----------------------------------|--|
| 1 | HYDRANT VALVE | NEWAGE / SUKAN / SBJ |
| 2 | BRANCH PIPES AND NOZZLE | NEWAGE / SUKAN / SBJ |
| 3 | HOSE PIPE | NEWAGE / INDIAN RAYON / JAYSHREE / CHATTRIYA / NIRMAL |
| 4 | RUBBER HOSE | DUNLOP / ROYAL INDIA / SHANTI INDUSTRIES |
| 5 | BUTTERFLY VALVE | AUDCO / INTERVALVE / CRANE PROCESS FLOW TECHNOLOGY / TYCO / FISHER XOMOX |
| 6 | GATE VALVES / NRV (CS) | L&T / KSB |
| 7 | FIRE EXTINGUISHERS | ZENITH / SUPRIMAX / SAFEX / NITIN FIRE |
| 8 | PIPES | TATA / ZENITH / JINDAL |
| 9 | PRESSURE GAUGES | GENERAL INSTRUMENTS / FORBES MARSHALL / PRECISION / H. GURU |
| 10 | HOSE BOX | SBJ / NITIN FIRE / KIDDE INDIA |
| 11 | HOSE REEL UNITS | MFG STD |
| 12 | WATER MONITOR | HD / VIJAY / NEWAGE / VIMAL / VISHAL |
| 13 | DELUGE VALVES | HD FIRE |
| 14 | LONG RANGE MONITORS | KIDDE / TYCO / CHEMGUARD / VIMAL / VISHAL |

ISSUE
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| PROCESS / MECHANICAL | |
|----------------------|---|
| 1. | SAFETY VALVES / PRESSURE SAFETY VALVES |
| 1.1. | FAINGER LESER VALVES PVT. LTD. |
| 1.2. | ANDERSON GREENWOOD CROSBY, UNITED KINGDOM |
| 1.3. | LARSEN & TOUBRO LTD. |
| 1.4. | DRESSER VALVE INDIA PVT. LTD., MUMBAI |
| 1.5. | XOMOX SANMAR LTD. |
| 1.6. | INSTRUMENTATION LTD., MUMBAI |
| 1.7. | MEKASTER |
| 1.8. | TYCO SANMAR LTD. |
| 1.9. | TYCO VALVES & CONTROLS INDIA PVT LTD, NAVI MUMBAI |
| 1.10. | WEIR VALVES & CONTROL UK LTD, UNITED KINGDOM |
| 1.11. | BHEL |
| 1.12. | |
| 2. | RUPTURE DISC |
| 2.1. | BS & B SAFETY SYSTEMS (I) LTD., MUMBAI |
| 2.2. | ELFAB LIMITED, UNITED KINGDOM |
| 2.3. | FAINGER LESER VALVES PVT. LTD. |
| 2.4. | IMI MORSTON LTD., UK |
| 2.5. | OKLAHOMA SAFETY EQUIPMENTS CO, INC, U.S.A |
| 2.6. | REMBE GMBH SAFETY + CONTROL, GERMANY |
| 3. | SAFETY SHOWER & EYE WASH |
| 3.1. | FRANCIS LESLIE & CO.PVT.LTD., MUMBAI |
| 3.2. | CREATIVE ENGINEERS |
| 3.3. | UNICARE EMERGENCY EQUIPMENTS PVT.LTD., MUMBAI |
| 4. | RESTRICTION ORIFICE |
| 4.1. | EMFA INDUSTRIES, MUMBAI |
| 4.2. | GENERAL INSTRUMENTS CONSORTIUM, MUMBAI |
| 4.3. | HYDROPNEUMATICS, MUMBAI |
| 4.4. | JRU CONTTROL PVT LTD, CHENNAI |
| 4.5. | MICRO PRECISION PRODUCTS (P) LTD., FARIDABAD |
| 4.6. | MINCO INDIA PVT. LTD, MUMBAI |
| 4.7. | STAR-MECH CONTROLS (I) PVT.LTD., PUNE |
| 5. | BASKET FILTER |

SPEC.NO.

TATA CONSULTING ENGINEERS LIMITED

SECTION: D

TCE-6842A-953

LIST OF APPROVED MAKES / VENDORS - II

SHEET : 11 of 13

| PROCESS / MECHANICAL | |
|-----------------------------|---|
| 5.1. | GRAND PRIX FAB P LTD. |
| 5.2. | GUJARAT OTOFILT |
| 5.3. | MULTITEX FILTRATION ENG. LTD. |
| 5.4. | OTOKLIN |
| 5.5. | MARBO INDIA FILTERS.MUMBAI.(M) |
| 5.6. | BARTON FIRTOP ENGINEERING CO. LTD. UK |
| 5.7. | FLUID ENGINEERING, USA |
| 5.8. | SUPERFLO FILTERS PVT LIMITED |
| 5.9. | FILTRATION ENGINEERS |
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| 6. | BREATHER VALVES |
| 6.1. | CHEMTROLS INDUSTRIES LTD. |
| 6.2. | FAINGER LESER VALVES PVT. LTD. |
| 6.3. | HYDROPNEUMATICS |
| 6.4. | PROTEGO EQUIPMENT PVT. LTD. |
| 6.5. | TELTECH INSTRUMENTATION PVT. LTD. |
| 6.6. | WHESSOE VAREC LIMITED.DURHAM(M) (BPCL CATEGORY – P&V VALVES) |
| | |
| 7. | ELECTRODES / WELDING CONSUMABLES |
| 7.1. | ADVANI – ORLIKON LTD. |
| 7.2. | ANAND ARC ELECTRODES PVT. LTD. |
| 7.3. | D&H SECHERON ELECTRODES PVT. LTD. |
| 7.4. | ESAB INDIA LTD. |
| 7.5. | HONAVAR ELECTRODES LTD. |
| 7.6. | MAILAM INDIA LTD. |
| 7.7. | MODI ARC ELECTRODES CO. |
| 7.8. | WELDCRAFT PVT. LTD. |
| 7.9. | GEE LIMITED.THANE.(M) |
| 7.10. | BOHLER THYSSEN |
| 7.11. | OERLIKON |
| 7.12. | TASETO |
| 7.13. | AVESTA |
| 7.14. | SANDVIK |
| | |
| | |
| 8. | FLAME ARRESTORS |

ISSUE
R1

SPEC.NO.

TATA CONSULTING ENGINEERS LIMITED

SECTION: D

TCE-6842A-953

LIST OF APPROVED MAKES / VENDORS - II

SHEET : 12 of 13

| PROCESS / MECHANICAL | |
|-----------------------------|---|
| 8.1. | CHEMTROLS INDUSTRIES LTD. |
| 8.2. | FAINGER LESER VALVES PVT. LTD. |
| 8.3. | HYDROPNEUMATICS |
| 8.4. | PROTEGO EQUIPMENT PVT. LTD. |
| | |
| 9. | INSULATION (HOT & COLD) |
| 9.1. | ASSOCIATED INSULATION CO. |
| 9.2. | G.J. INSULATIONS PVT.LTD. |
| 9.3. | LEAR INSULATION PVT. LTD. |
| 9.4. | LLOYD INSULATIONS (INDIA) LTD. |
| 9.5. | NAVBHARAT INSULATION & ENGINEERING CO |
| 9.6. | NEWKEM INDUSTRIES |
| 9.7. | KAFER PUNJ LLOYD |
| 9.8. | ROCKWOOL INSULATION (I) PVT.LTD. |
| 9.9. | SHREEJI INSULATIONS PVT LTD |
| 9.10. | THERMAL INSULATIONS |
| 9.11. | BPCL CATEGORY -(BONDED MINERAL WOOL/CROWN WOOL) |
| 9.12. | MINWOOL ROCK FIBRES LTD.HYDERABAD. |
| 9.13. | ROCKWOOL (INDIA) LIMITED.MUMBAI.(M) |
| 9.14. | LLOYD'S ROCKFIBRES LTD. MUMBAI |
| | |
| 10. | MECHANICAL SEALS |
| 10.1. | EAGLE BURGMAN INDIA PVT. LIMITED |
| 10.2. | FLOWSERVE SANMAR LTD |
| 10.3. | JOHN CRANE ENGG. SEALING SYSTEM LTD. |
| | |
| 11. | INDUSTRIAL PAINTS |
| 11.1. | GOODLASS NEROLAC PAINTS PVT. LTD.MUMBAI.(M) |
| 11.2. | ALKALI & CHEMICALS CORPN. OF INDIA LTD.MUMBAI.(T) |
| 11.3. | ASIAN PAINTS (I) LIMITED.MUMBAI.(T) |
| 11.4. | BERGER PAINTS INDIA LTD.MUMBAI.(T) |
| 11.5. | ESDEE PAINTS PVT. LTD.MUMBAI.(T) |
| 11.6. | JENSON & NICHOLSON (I) LTD.MUMBAI.(T) |
| 11.7. | MERCURY PAINTS & VARNISHES LTD.MUMBAI.(T) |
| 11.8. | SHALIMAR PAINTS LTD.MUMBAI.(T) |
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ISSUE
R1

SPEC.NO.

TCE-6842A-953

TATA CONSULTING ENGINEERS LIMITED

LIST OF APPROVED MAKES / VENDORS - II

SECTION: D

SHEET : 13 of 13

ISSUE
R1