

## PREFERRED MAKE LIST RINL-VSP

**RASHTRIYA ISPAT NIGAM LIMITED  
VISAKHAPATNAM STEEL PLANT**



| Sl. No.                     | Item description                                                                  | Preferred Vendors/Makes                                                                                                                                                                                                                                          |
|-----------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 13.                         | Voltage / Power / Current / Frequency / Energy Transducers                        | ABB / AE / SIEMENS / ELSTER / ADEPT / ALSTOM                                                                                                                                                                                                                     |
| 14.                         | Indicating Lamp (Cluster LED type)                                                | SIEMENS / VAISHNO / TECHNIK / BINAY / J-AUER / BCH / ESSEN / L&T / AVNI / SCHNEIDER                                                                                                                                                                              |
| 15.                         | Temperature Scanner                                                               | JYOTI / APLAB / SYSTECH / MASIBUS                                                                                                                                                                                                                                |
| 16.                         | Hooter / Buzzer / Bell                                                            | KHERAJ / <b>KAKKU (EPCC)</b> / VAISHNO / BEMCO / GETCO / BRITISH ELECTRIC                                                                                                                                                                                        |
| 17.                         | Solid State Annunciator                                                           | APLAB / L&T / PROCON / CONTROL AND DYNAMICS / MINILEC / ELECMECH / ALAN                                                                                                                                                                                          |
| 18.                         | Proximity Limit Switches (Non-contact type)                                       | JSI / AG SYSTEMS / ROCKWELL / TELEMCHANIQUE / P&F / SICK / VIRTUAL / TRUCK India Automation Pvt. Ltd / IFM                                                                                                                                                       |
| 19.                         | Zero Speed Switches                                                               | JAYSHREE / TELEMCHANIQUE / AG MECHANICAL / <b>KAKKU</b> / TECHNOCRATS / SCHNEIDER-SAMWHA / SIEMENS / ROCKWELL / KANA                                                                                                                                             |
| 20.                         | LT Current Transformer                                                            | AE / KAPPA / Sudheer Transformers / ABB / JAYASHREE / PRECISE / INSTRANS                                                                                                                                                                                         |
| 21.                         | LT Voltage Transformer                                                            | AE / KAPPA / Sudheer Transformers / ABB / JAYASHREE / PRECISE / INSTRANS                                                                                                                                                                                         |
| 22.                         | Tachos / Encoders                                                                 | BAUMER-HUBNER / IFM / LEINE & LINDE / ROCKWELL AUTOMATION (ALLEN BRADLEY) / P&F / VURLEY-TELEDYNE / JOHANNES HUBNER / KUEBLER / EXELLA (For analog Tacho) / JAYASHREE (For analog Tacho)                                                                         |
| 23.                         | Track Type Limit Switches                                                         | TECHNOCRATS / SROM-CRAFT / <b>KAKKU (ELECTRONIC &amp; POWER CONTROL)</b> / ELETROMAG / UNION ENGG / JAIBALAJI / INDUSTRIES SYNDICATE / BCH / EP & C / R.K. ELECTRICALS / SPEED-O-CONTROL / JAYASHREE / BENGAL TECHNOCRATS / AG SYSTEMS / JSI / TECHNIK / SIEMENS |
| <b>G. Protection Relays</b> |                                                                                   |                                                                                                                                                                                                                                                                  |
| 1.                          | Numerical Protection Relays (for HT system) / Sub-station Automation system (SAS) | ABB / SIEMENS / SCHNEIDER (Micom) / GE T&D (Multilin, Micom) / E-ABERLE (only Transformer management relay)                                                                                                                                                      |
| 2.                          | Numerical Protection Relays (for LT system)                                       | ABB / SIEMENS / GE (Multilin) / SCHNEIDER / L&T (MM30) / ASHIDA                                                                                                                                                                                                  |
| 3.                          | a. Electronic Motor Protection Relays / Electronic over current relay             | SCHNEIDER / L&T / SIEMENS / ABB / C&S / BCH                                                                                                                                                                                                                      |
|                             | b. Microprocessor based Motor Protection Relays for LT Motors                     | SIEMENS / L&T / SCHNEIDER / ABB                                                                                                                                                                                                                                  |
|                             | c. Microprocessor based Protection Relays for HT Motors                           | ABB / GE T&D / SCHNEIDER / SIEMENS                                                                                                                                                                                                                               |