**TITLE: - SOP FOR OPERATION OF 20KVA UPS of VFDs AT BARAUNI STATION.**

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| **SL. NO.** | **ACTIVITY** |
|  | **TO START THE SYSTEM:**   1. Ensure that force transfer to bypass switch S4 is at Inverter position 2. Ensure Output breaker position is in ON position 3. Switch ON bypass switch, load gets connected to Bypass through static switch 4. Switch ON input breaker, DC voltage rises, and inverter gets ON. Observe output voltage on display. After synchronization load gets retransferred to inverter automatically   Observe battery voltage on Display, and then switch **ON** battery breaker. |
|  | **STATIC BYPASS OPERATION:**   1. In the event of failure of inverter, load gets transferred to static bypass automatically   To put load on static bypass when inverter is ON, change force transfer to bypass switch S4 from ‘Inverter’ to ‘static bypass’ position, load will get connected to static bypass. |
|  | **MANUAL BYPASS OPERATION:**   1. Change force transfer to Bypass switch S4 from ‘Inverter’ to ‘static bypass’ position. 2. Switch the bypass switch to manual bypass position   Switch OFF Output breaker. |
|  | **TO SHUT DOWN THE SYSTEM:**   1. Switch OFF Output breaker 2. Switch OFF Bypass switch 3. Switch OFF Battery breaker   Switch OFF Input breaker |

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| RECORDS GENERATED : | 1) | SHIFT LOGBOOK SHEET |
|  | 2) | SHIFT HANDING OVER REGISTER |
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