|  |   |          | Pro                  | ocurei | ment      | List for the FY 2025-26 - Budget Head : Capita  | I  |                      |           |   |          |                      |
|--|---|----------|----------------------|--------|-----------|---|--|----------------------|-----------|---|----------|----------------------|
| Table 1: Procurement during the FY 2025-26 out of CSIR Grant / Lab Grant |   |          |                      |        |           | Fable 2: Procurement during the FY 2025-26 o     Projects                                   | ble 3: Procurement during the FY 2025-26 out o<br>Projects (EFP) |                      |           |   |          |                      |
|  |   |          |                      |        |           |   |  |                      |           |   |          |                      |
| SI.<br>No  | Name of the Equipment   | Quantity | Cost Rs. In<br>Lakhs |        | SI.<br>No | Name of the Equipment   | Quantity   | Cost Rs.<br>In Lakhs | SI.<br>No | Name of the Equipment   | Quantity | Cost Rs. In<br>Lakhs |
|  | 250 kVA DG Set  | 1        | 1 25                 |        |           | 1 False roofing and lighting in SED workshop  | 1  | . 3                  | 1         | Inv. duty Motors  | 3        | 0.7                  |
|  |   |          |                      |        |           |   |  |                      |           |   |          |                      |
|  | 300 kg/h Electric Steam Boiler  | 1        | 1 20                 |        | _         | 2 False roofing and lighting in SED workshop<br>The scope of work is to supply Carbon Fiber | 1  | . 5                  | 2         | Gear Pumps  | 2        | 1                    |
|  |   |          |                      |        |           | Reinforced Plastic - CFRP Mould Infusion  |  |                      |           |   |          |                      |
|  |   |          |                      |        |           | Process as per the following Specifications   |  |                      |           |   |          |                      |
|  |   |          |                      |        |           | and Drawings - Refer Annexure 1 for further   |  |                      |           |   |          |                      |
|  | Effluent Treatment Plant  | 1        | 1 25                 |        |           | 3 details<br>Transponder System with Installation kits                                      | 1  | . 36                 | 3         | GPU Workstation   | 1        | 15                   |
| 4  | Hot Plate With Stirrer  | 1        | 1 2                  |        |           | 4 Set up  | 1  | 4.8                  | 4         | Acoustic Sensor (Microphone) and accessories  | 15       | 20                   |
|  |   |          |                      |        |           | Navigation & Communication System with  |  |                      |           |   |          |                      |
| ļ  | Sizing mixture preparation unit   | 1        | 1 2.5                |        |           | 5 Installation kits set up  | 1  | 4.8                  | 5         | Vibration sensor (Accelerometer)  | 40       | 20                   |
|  |   |          |                      |        |           | Audio Management Unit with Installation   |  |                      |           |   |          |                      |
|  | Revamping/Overhauling of Pipelines for Utilities<br>Semi micro analytical balance   |          | 1 20<br>1 3.5        |        | _         | 6 Kits Set-up<br>7 MATLAB Toolbox with Compiler   | 1  | 4.8                  |           | Pallet trucks<br>Manual forklift stacker  | 4        | 2                    |
|  | Design & CFD Simulation software for Axial Compressor (As per   |          | 5.5                  |        | -         |   |  | 10.5                 | + - '     |   |          |                      |
| 5  | annexure attached)  | 1        | 1 351                |        |           | 8 Workstation Server  | 1  | . 16                 | 8         | Pneumatic flow control valve  | 1        | 3                    |
|  | Universal Calibrator for thermocouple,<br>thermistor and current LTC2662 IC eval board 2mm patch panel<br>socket and plug Programmable DC power supply- RS232 digital |          |                      |        |           |   |  |                      |           |   |          |                      |
|  | communication with SCPI ~15 or ~22 - inch Human Machine Interface   |          |                      |        |           |   |  |                      |           |   |          |                      |
| <u> </u>   | (HMI) display   | 1        | 1 3.105              |        |           | 9 Server Rack with Cooling  | 1  | . 4                  | 9         | FRP Exponential horn  | 1        | 4                    |
| 1(   | A4 size Multifunction Mono desktop Printer for DTS  | 1        | 1 0.6                |        | 1         | 0 Accessories for Malvern Spray analyser  | 1  | . 4                  | 10        | Computer nodes for HPC upgradation – 2 nos  | 2        | 50                   |
|  |   |          |                      |        |           |   |  |                      |           |   |          |                      |
|  | TOOL FOR SEG - 1 SPAR (2Mtrs) Top as per Drawing Supplied TOOL<br>FOR SEG - 1 SPAR (2Mtrs) Bottom as per Drawing Supplied TOOL FOR                                    |          |                      |        |           |   |  |                      |           |   |          |                      |
| 1  | WING EQUIPPING SEG 1 (2 Mtrs) as per Drawing Supplied TOOL TON  | 1        | 1 9.7                |        |           |   |  |                      | 11        | Nastran-transonic modules (ZAero)   | 1        | 50                   |
|  | TOOL FOR WING SPAR MAIN SEG-1 With Base Frame as per Drawing  |          |                      |        |           |   |  |                      | 1         |   |          |                      |
|  | Supplied  |          |                      |        |           |   |  |                      |           |   |          |                      |
|  | TOOL FOR WING SPAR SEG-2 (LH & RH) With Base Frame as per   |          |                      |        |           |   |  |                      |           |   |          |                      |
| 1  | Drawing Supplied TOOL FOR WING SPAR SEG-3 (LH & RH) With Base<br>Frame as per Drawing Supplied  | 1        | 1 115.5              |        |           |   |  |                      | 12        | AMC for star CCM+   | 1        | 45                   |
|  | Control Expert Software XL Single E-LIC   | 1        | 1 3                  |        |           |   |  |                      |           | VDI Systems   | 5        | 30                   |
| 14   | Control Expert Software XL Single E-LIC   | 1        | 1 3                  |        |           |   |  |                      |           | Laptop workstation for experiments  | 2        | 15                   |
|  | ELECTRIC SCOOTER  | 1        | 1 1.5                |        | _         |   |  |                      |           | FEMAP   | 1        | 20                   |
|  | NAS boxes for CCTV backup   | 1        | 1 20                 |        |           |   |  | <u>├</u>             | 16        | Software Upgradation  |          | 75                   |
|  |   |          |                      |        |           |   |  |                      |           | Upgradation of LDS shaker control software to the latest version with a dedicated desktop |          |                      |
| 1  | Servers for CCTV Network  | 1        | 1 10                 |        |           |   |  |                      | 17        | workstation computer  | 1        | 10                   |
| 18   | Audio Video equipment for ICAST Video Conference Hall   | 1        | 1 25                 |        |           |   |  |                      |           |   |          |                      |
|  | Supply, testing and acceptance of Push button Phone   | 1        | 1 3                  |        |           |   |  |                      |           |   |          |                      |
|  | Supply,testing and acceptance of SIP IP Phone   | 1        | 1 10                 |        | _         |   |  |                      |           |   |          |                      |
| 2  | Data recovery software  | 1        | 1 3                  |        |           |   |  |                      |           |   |          |                      |

| 22 Digital walk through of NAL  | 1      | 250    |      |  |  |                  |   |   |  |
|---|--------|--------|------|--|--|------------------|---|---|--|
| 23 Digital War Room   | 1      | 110    |      |  |  |                  |   |   |  |
| 24 supply of Laptop as per the attached specification                 | 1      | 3      |      |  |  |                  |   |   |  |
| 24 supply of Laptop as per the attached specification                 | 1      | 3      |      |  |  |                  |   |   |  |
|   | 4      | ~      |      |  |  |                  |   |   |  |
| 25 Supply of Desktop computers as per the attached specification      | 1      | 6      |      |  |  |                  | _ |   |  |
| 26 Auditorium upgradation - Display and Audio systems                 | 1      | 200    |      |  |  |                  |   |   |  |
| Supply and Installation of Networking Switches as per the             |        |        |      |  |  |                  |   |   |  |
| 27 specifications attached  | 1      | 80     |      |  |  |                  |   |   |  |
|   |        |        |      |  |  |                  |   |   |  |
| 28 NVIDIA RTX VIRTUAL WORKSTATION LICENSE for VMWARE VDI              | 1      | 70     |      |  |  |                  |   |   |  |
| Thin Client for Virtual Desktop Access as per the attached            |        |        |      |  |  |                  |   |   |  |
| 29 Specification 27 inch display for Thin client                      | 1      | 45     |      |  |  |                  |   |   |  |
| Additional Virtual Desktop License with SEP for General Network as    |        |        |      |  |  |                  |   |   |  |
| 30 per the attached Specification.                                    | 1      | 40     |      |  |  |                  |   |   |  |
| Supply and Installation of Storage with 300TB Raw Capacity as per the |        |        |      |  |  |                  |   |   |  |
| 31 attached Specification.  | 1      | 40     |      |  |  |                  |   |   |  |
|   |        |        |      |  |  |                  |   |   |  |
| Compact Storage units (Optimizer Puls SD3) Compact Storage Units      |        |        |      |  |  |                  |   |   |  |
| (Optimizer Plus LD3) Compact Storage units (Optimizer Puls TD3 -      |        |        |      |  |  |                  |   |   |  |
| Solid Back Panel) Compact Storage units - Channel 9-inch Compact      |        |        |      |  |  |                  |   |   |  |
| 32 Storage units - Channel 6-inch Removal of Old Shelf                | 1      | 82.34  |      |  |  |                  |   |   |  |
|   | 1      | 02.04  |      |  |  |                  |   |   |  |
| 33 Servers (Compute nodes for HPC)                                    | 2      | 35     |      |  |  |                  |   |   |  |
|   |        |        |      |  |  |                  |   |   |  |
| 34 AUTOCLAVE PRESSURE VESSEL AND AUTOCLAVE CART BOOSTER               | 1      | 30     |      |  |  |                  |   |   |  |
|   | 1      | 50     |      |  |  |                  |   |   |  |
| 35 DESK TOP COMPUTER AND ALL IN ONE PRINTER CUM SCANNER               | 1      | 2      |      |  |  |                  |   |   |  |
|   | 1      | 0.75   |      |  |  |                  |   |   |  |
|   | 1      |        |      |  |  |                  |   |   |  |
| 37 FIREFIGHTING SYSTEM  | 1      | 10     |      |  |  |                  | _ |   |  |
| 38 DG SET FOR CRITICAL PROCESS UTILITIES                              | 1      | 20     |      |  |  |                  | _ |   |  |
| STEAM , CONDENSATE, COOLING WATER AND RAW WATER PIPELINE              |        |        |      |  |  |                  |   |   |  |
| 39 FOR THE PILOT PLANT.   | 1      | 24     |      |  |  |                  | _ |   |  |
| 40 ELECTRIC CABLES FOR PLANTS   | 1      | 10     |      |  |  |                  |   |   |  |
| 41 EFFLUENT TREATMENT PLANT (ETP)                                     | 1      | 23     |      |  |  |                  |   |   |  |
| 42 14 INCH ISOLATION VALVE FOR 1 FT TUNNEL                            | 1      | 6      |      |  |  |                  |   |   |  |
| 43 SELF PRIMING MUD PUMPING SYSTEM                                    | 1      | 9.8    |      |  |  |                  |   |   |  |
| 44 INSTALLATION OF COMPACT STORAGE                                    | 1      | 97.468 |      |  |  |                  |   |   |  |
| 45 UP-GRADATION OF AUDIO , VIDEO EQUIPMENT AT ICAST                   | 1      | 30     |      |  |  |                  |   |   |  |
| 46 CCTV NETWORK SERVER  | 2      | 10     |      |  |  |                  |   |   |  |
| 47 TELEPHONE EXCHANGE FACILITY UPGRADATION                            | 1      | 50     |      |  |  |                  |   |   |  |
| 48 STORAGE 2 NOS (SECURED NETWORK/ PUBLIC NETWORK)                    | 2      | 40     |      |  |  |                  |   |   |  |
| 49 DESKTOPS (FOR SOC ROOM)  | 5      | 6      |      |  |  |                  |   |   |  |
| 50 LAPTOPS (FOR SOC TEAM AND AUDITORIUM)                              | 2      | 3      |      |  |  |                  |   |   |  |
| 51 CCTV BACKUP NAS BOX  | 2      | 20     |      |  |  |                  |   |   |  |
| 52 PC FOR USE ALONG WITH OPTICAL MICROSCOPE                           | 1      | 1.2    | <br> |  |  |                  |   |   |  |
| 53 METHYL TRICHLOROSILANE (NTS) STORAGE TANK                          | 1      | 20     |      |  |  |                  |   |   |  |
| 54 OXYGEN SYSTEM UPGRADATION  | 1      | 7      |      |  |  |                  |   | + |  |
| EFD 1000 Pro/MAX Primary Flight Display                               | 1      | /      |      |  |  |                  |   |   |  |
| 55 920 -00003-016/925-00102-002                                       | 2      |        |      |  |  |                  |   |   |  |
| i) EFD 1000 Pro/MAX PFD Display                                       | 0      |        | -    |  |  |                  |   |   |  |
| 56 910 -00001-001/910-00001-021                                       | Q      |        |      |  |  |                  |   |   |  |
| 57 ii) Remote Sensor Module 910 -00003-001                            | 0      |        |      |  |  |                  |   |   |  |
| 58 iii) Configuration Module System 920-00004-002                     | ٥<br>٥ |        |      |  |  | +                |   |   |  |
|   | 8      |        |      |  |  | $\left  \right $ |   |   |  |
| GTR 225 A (Secondary COM Unit) 011-02807-00/                          | л      |        |      |  |  |                  |   |   |  |
| 59 GTR205 010-02480-01  | 4      |        |      |  |  |                  |   |   |  |

|    |   |        |  |   |            |   |   |  | <br> |
|----|---|--------|--|---|------------|---|---|--|------|
|    | Engine Management Unit (EMU), Rotax 912Is with GPS Antenna          |        |  |   |            |   |   |  |      |
| 60 | EMU 912 iS  | 4      |  |   |            |   |   |  |      |
| 61 | IFD440 ( Avidyne NAV/COM/GPS) 850-00179-000                         | 4      |  |   |            |   |   |  |      |
|    | AXP340 Transponder (Avidyne) 850-00219-000                          | 4      |  |   |            |   |   |  |      |
|    | AMX240 Audio Panel (Avidyne Audio Management Unit) 850-             |        |  |   |            |   |   |  |      |
| 63 | 00218-001   | 1      |  |   |            |   |   |  |      |
| 03 |   | 4      |  | _ |            |   |   |  |      |
| 64 | ELT System (Antenna, Battery & Installation Tray) E-04 ELT 406      |        |  |   |            |   |   |  |      |
| 64 |   | 4      |  | _ |            |   |   |  |      |
|    | Pilot Headset & MIC H10- 21/40074G-03                               | 8      |  | _ |            |   | _ |  |      |
|    | Stick Grip (with PTT Switch) G101                                   | 8      |  |   |            |   |   |  |      |
| 67 | VHF2 Antenna CI-292-2   | 4      |  |   |            |   |   |  |      |
| 68 | ANT, VOR, LOC, GS (NAV Antenna) CI-158C                             | 4      |  |   |            |   |   |  |      |
|    | Diplexer Antenna, VOR/Glide Slope (Diplexer Module) CI-507          |        |  |   |            |   |   |  |      |
| 69 |   | 4      |  |   |            |   |   |  |      |
| 70 | Antenna Transponder CI-105  | 4      |  |   |            |   | 1 |  |      |
|    | MB Antenna (optional integration) CI-102                            | т<br>л |  | + |            |   | + |  | <br> |
|    | Comant COM/GPS Antenna CI-2580-200                                  | 4      |  | + |            |   |   |  | <br> |
|    | ,   | 4      |  | + |            | ├ |   |  |      |
|    | Battery 13.2V, 15.6Ah with thermal box, fault LED Indicator and     | _      |  |   |            |   |   |  |      |
|    | vent tube: ETX900-TSO   | 8      |  | _ |            |   |   |  |      |
|    | Filament type Anti- Collision Light- Red 01-0770509-00              | 4      |  |   |            |   |   |  |      |
|    | LED Position Light-Green (LED Navigation Wing Tip Light- Green)     |        |  |   |            |   |   |  |      |
|    | 01-0771105-01   | 4      |  |   |            |   |   |  |      |
|    | LED Position Light-Red (LED Navigation Wing Tip Light- Red) 01-     |        |  |   |            |   |   |  |      |
|    | 0771105-02  | 4      |  |   |            |   |   |  |      |
|    | Tail Position Light Vertical (LED Navigation Tail Light- White) 01- |        |  |   |            |   |   |  |      |
|    | 0771554-12  | 4      |  |   |            |   |   |  |      |
|    | Landing Light (Filament type) 01-0770346-02                         | 8      |  |   |            |   |   |  |      |
|    | Light Assy/Flood Light Assy (Cockpit Dome Light) 01-0770339-03      |        |  | + |            |   |   |  | <br> |
| 79 |   |        |  |   |            |   |   |  |      |
|    | Cockpit Utility Light (Cockpit Panel Reading / Wander Light) S-     |        |  | - |            |   |   |  |      |
|    | 1210BACBA   |        |  |   |            |   |   |  |      |
|    |   | 8      |  |   |            | ├ |   |  | <br> |
|    | Warning Lights / Press to Test Indicator MS 25041-2(Red)            | 12     |  |   |            |   |   |  |      |
| 82 | Voltammeter 12-2004-1   | 4      |  | _ |            |   |   |  |      |
|    | Trim Systems W/Needle Indicator (Elevator Trim System &             |        |  |   |            |   |   |  |      |
|    | Indicator) MAC 8A / T3-12A  | 4      |  |   |            |   |   |  |      |
| 84 | Fuel Level Gauge 2A7V   | 4      |  |   |            |   |   |  |      |
| 85 | Shunt 12-902-3  | 4      |  |   |            |   |   |  |      |
| 86 | Quartz Chronograph (Clock) DC20.14.1.AA                             | 4      |  |   |            |   |   |  |      |
|    | Dimmer RHS 15R / 0146   | Δ      |  | 1 |            |   |   |  |      |
|    | Switch, Ignition & Starter ASM (Ignition Key Switch) 10-357200-1    | +      |  | + |            |   |   |  |      |
| 88 |   |        |  |   |            |   |   |  |      |
|    |   | 4      |  | + | +          |   | + |  |      |
|    | Compass (Magnetic Compass) C2300L4                                  | 4      |  |   |            |   |   |  | <br> |
| 90 | DC – DC Converter RH28  | 4      |  | _ |            |   | _ |  |      |
|    | Flap Actuator along with Limit Switch and Rod end fitting Actuator  |        |  |   |            |   |   |  |      |
|    | P/N: CARR22X50X1/D24B or CARR22X50X1/P24B                           |        |  |   |            |   |   |  |      |
|    | Limit Switch P/N: CAXE 22X50  |        |  |   |            |   |   |  |      |
|    |   |        |  |   |            |   |   |  |      |
| 91 |   | 4      |  |   |            |   |   |  |      |
| 92 | Capacitance Fuel Sensor (Fuel Level Sender) 395-5S-1-5              | 4      |  |   |            |   |   |  |      |
|    | Pitot Probe PH502-12CR  | 4      |  |   |            |   |   |  |      |
|    | Rotax Engine 912 iSc3 Sport 359120533                               | Δ      |  | + |            |   |   |  |      |
|    | Alternator Set (External Alternator/ External Generator) 887254     | +      |  | + |            |   |   |  |      |
| 95 |   |        |  |   |            |   |   |  |      |
|    |   | 4      |  | + |            |   | + |  |      |
|    | Engine Suspension Frame 886561                                      | 4      |  | _ |            |   |   |  | <br> |
|    | Engine Shock Mount Set 860695                                       | 4      |  | _ |            |   |   |  |      |
|    | Exhaust System with Muffler 973387                                  | 4      |  |   |            |   |   |  |      |
| 99 | MTV Propeller MTV-21-A/175-05                                       | 4      |  |   |            |   |   |  |      |
|    |   |        |  |   | - <b>-</b> |   |   |  | <br> |

| 100 | Spinner Assembly P-439-1-A  | 4  |  |  |                                       |      |  |
|-----|---|----|--|--|---------------------------------------|------|--|
|     | Governor P-850-12   | 4  |  |  |                                       |      |  |
|     | Oil Radiator Set 886034   | 4  |  |  |                                       |      |  |
| 103 | Cooling Air Baffle /Cooling Air Duct 975795                                       | 4  |  |  |                                       |      |  |
|     | Radiator (Coolant Radiator) 995697 /997084 new part no                            | 4  |  |  |                                       |      |  |
| 105 | Air Filter ASSY BA 4106   | 10 |  |  |                                       |      |  |
| 106 | Black Button Lock A700 B  | 4  |  |  |                                       |      |  |
| 107 | Over flow bottle 922327   | 8  |  |  |                                       |      |  |
| 108 | Heat sink set 481490  | 4  |  |  |                                       |      |  |
|     | Fuel Shut-offValve FV-107702  | 8  |  |  |                                       |      |  |
|     | Strainer (Fuel Strainer) G199-105-5D  | 4  |  |  |                                       |      |  |
|     | Fuel Pump Assembly 889697/889698 New / old  | 4  |  |  |                                       |      |  |
|     | Non-return Valve Flapper SM3336   | 4  |  |  |                                       |      |  |
|     | Pressure Sensor 10 (Fuel Pressure Transducer) 664365                              | 4  |  |  |                                       |      |  |
|     | Finger Strainer FS-375  | 4  |  |  |                                       |      |  |
|     | Drain Valve CCA-4900  | 4  |  |  |                                       |      |  |
|     | Drain Valve CCA-4850  | 4  |  |  |                                       |      |  |
|     | Fuel Filter (Fine Filter) 874060  | 10 |  |  |                                       |      |  |
|     | Check Valve (NRV for fine filter) CK375M-14- BRP                                  | 6  |  |  |                                       |      |  |
|     | Pilot Jet 35 (Orifice) 963820   | 4  |  |  |                                       |      |  |
|     | Main Wheel Assy 40-113X   | 8  |  |  |                                       |      |  |
|     | Brake Assy 30-75X   | 8  |  |  |                                       |      |  |
|     | MLG Tyre 6.00X6-4TT.AT / AA1E2 / 06-08400   | 8  |  |  |                                       |      |  |
|     | MLG Tube 6.00X6 / XA1AD / 06-08700  | 8  |  |  |                                       |      |  |
|     | NLG Tyre 5.00X5-4TT.AT/ AA1D2/ 06-08210   | 4  |  |  |                                       |      |  |
|     | NLG Tube 5.00X5 / XA1AC / 06-08300  | 4  |  |  |                                       |      |  |
|     | Parking Brake Valve C165007-0201 (or) 60-10                                       | 4  |  |  |                                       |      |  |
|     | Nose Wheel Assy 40-87C  | 4  |  |  |                                       |      |  |
|     | Brake Master Cylinder with Reservoir 10-35  | 8  |  |  |                                       |      |  |
| 129 | Brake Master Cylinder without Reservoir 10-54                                     | 8  |  |  |                                       |      |  |
|     | Fire Extinguisher BCF-HALON 1211 BA21741GSR-2 NEW                                 |    |  |  |                                       |      |  |
|     | BA21741SR-5   | 4  |  |  |                                       | <br> |  |
| 131 | Crash Axe Commercial  | 4  |  |  |                                       | <br> |  |
| 122 | Shoulder & Lap Straps H-601-100 [Kit Contains: H-702-200, 90-91 R60]              | 0  |  |  |                                       |      |  |
|     | R60]     Gas Springs 16-2-203-164-AM7-BM7-150N                                    | ŏ  |  |  | + + + + + + + + + + + + + + + + + + + |      |  |
|     | Gas Springs 16-2-203-164-AM7-BM7-150N   Rugged High Torque Servo Actuator for UAV | 8  |  |  | + + + + + + + + + + + + + + + + + + + |      |  |
|     | Veronte Autopilot with accessories  | 10 |  |  |                                       |      |  |
| 132 | veronce Autophot with accessories   | 2  |  |  |                                       |      |  |