

Procurement Plan for Heavy Water Board for FY 2024-25

| Sn No | Item Description | Quantity | Total Estimated cost (Rs. In Lakh) |
|-------------------------|---|----------|------------------------------------|
| Mechanical items | | | |
| 1 | Routine spares/equipment's for O&M of HWP Hazira | Lumpsum | 600 |
| 2 | Rebuilding of Cooling Tower | 03 cells | 540 |
| 3 | Tube of GHH Condensers | 2 | 40 |
| 4 | E4104 tube bundle | 1 | 60 |
| 5 | Structural strengthening material | Lumpsum | 50 |
| 6 | Inconel pipe fittings | Lumpsum | 51 |
| 7 | Procurement of CS storage tank | 1 | 20 |
| 8 | Procurement of SS storage tank | 5 | 20 |
| 9 | Spares for pumps | Lumpsum | 10 |
| 10 | Mechanical seal for pumps | Lumpsum | 25 |
| 11 | Spares for air compressors | Lumpsum | 15 |
| 12 | H2S Compressor PTFE Packings | Lumpsum | 25 |
| 13 | O-rings | Lumpsum | 1.2 |
| 14 | Tyres & Tubes | Lumpsum | 2 |
| 15 | Welding Consumables | Lumpsum | 1 |
| 16 | Spares for Workshop M/c | Lumpsum | 2 |
| 17 | Heat exchanger | Lumpsum | 60 |
| 18 | Insulation materials | Lumpsum | 20 |
| 19 | Valves including GATE, PLUG, NRV | Lumpsum | 20 |
| 20 | Piping & fitting spares | Lumpsum | 50 |
| 21 | Procurment of Lubricating and hydraulic oil | Lumpsum | 4 |
| 22 | Hardness Measurement instrument | Lumpsum | 4 |
| 23 | Ultrasoic testing machine and accessories | Lumpsum | 2 |
| 24 | PTFE Rods | Lumpsum | 2 |
| 25 | Copper, Gun Metal, SS and CS rod of various sizes | Lumpsum | 5 |
| 26 | Gasket | Lumpsum | 20 |
| 27 | Stud and Nuts | Lumpsum | 20 |
| 28 | Drafting software | 10 nos | 61 |
| 29 | Gas Mixture for Helium unit | 1 | 33 |
| 30 | Precipitation reactor | 2 | 157 |
| 31 | Procurement of machine spares forTBP plant and MEE unit | 1 lot | 26 |
| 32 | Procurement of machine spares for DMW plant and utilites. | 1 lot | 22 |
| 33 | Procurement of pipes, fittings and Valves | 1 lot | 16 |
| 34 | Procurement of Retort Bodies for K-metal Plant | 80 nos. | 32 |
| 35 | Procurement of Retort Heads for K-metal Plant | 60 nos. | 8 |
| 36 | Procurment of spares of K-metal Plant | | 8 |
| 37 | Procurement of Miscellaneous workshop consumables like welding electrodes, grinding wheel, cutting oil, tools etc | 1 lot | 12 |
| 38 | Procurment of spares 24 KA sodium cell | 1 lot | 14 |
| 39 | Industrial Paint | | 25 |
| 40 | Procurement of LTCS / A105 pipe of various sizes | | 15 |
| 41 | Procurement of LTCS/ A 105 pipe fittings of various sizes | | 15 |
| 42 | Procurement of various valve component spares | | 10 |
| 43 | Procurement of Syn. Gas compressor spares (20K4 , 20K5 19K3A/B) | | 10 |
| 44 | Procurement of IA / IGP compressor spares (30K11/12, 37K1,37RC1/2.) | | 10 |
| 45 | Spring hangers & tie rods | | 10 |
| 46 | Procurement of Structural Material | | 20 |
| 47 | Procurement of14P3 diaphragm | | 10 |
| 48 | Procurement of hand railing pipes | | 5 |
| 49 | Procurement of dryer valves component spares | | 10 |
| 50 | Procurement of ID/FD fan spares | | 10 |
| 51 | Procurement of Cooling water pump spares | | 10 |
| 52 | Procurement of CW return header modification material | | 100 |
| 53 | Procurement of ceramic bearings for tower pump | | 15 |
| 54 | Procurement of EPDM O rings for tower | | 15 |
| 55 | Procurement of Bearing of various compressors & Motors | | 10 |
| 56 | 14S3 Tube Bundle | | 15 |
| 57 | E5101 exchanger procurement | | 350 |

Procurement Plan for Heavy Water Board for FY 2024-25

| Sn No | Item Description | Quantity | Total Estimated cost (Rs. In Lakh) |
|-------------------------|---|--------------------|------------------------------------|
| 58 | 12E3 Exchanger procurement | | 150 |
| 59 | Procurement of HP/MP/LP valves | | 15 |
| Electrical items | | | |
| 1 | LED lighting | As per Requirement | 5.00 |
| 2 | Split AC's and Cassette type AC's and spares | As per Requirement | 8.00 |
| 3 | Drinking water cooler | As per Requirement | 2.00 |
| 4 | Tools & Tackles | As per Requirement | 1.00 |
| 5 | New Battery Bank and spares | As per Requirement | 50.00 |
| 6 | Spares for DG sets | As per Requirement | 4.00 |
| 7 | Spares for UPS | As per Requirement | 2.00 |
| 8 | HSD | As per Requirement | 16.00 |
| 9 | 415 Volts Switch gear Spares like Fuses, MCBs, ELCB, Contractor SFU, Over load relays, connector block, Junction Box, etc | As per Requirement | 3.00 |
| 10 | Protective relays/ Meters Equipments | As per Requirement | 5.00 |
| 11 | VFD spares | As per Requirement | 2.00 |
| 12 | Power & Control cables | As per Requirement | 5.00 |
| 13 | Bearings for Motors | As per Requirement | 5.00 |
| 14 | HT Motors | As per Requirement | 45.00 |
| 15 | Heating Oils, Lubricant, Varnish, paints, etc | As per Requirement | 2.00 |
| 16 | Wire for house wiring | As per Requirement | 2.00 |
| 17 | DG Set (500 kVA) -under procurment by HWB, Mumbai for VDPP capital project | 1 set | 90.00 |
| 18 | Air conditioner | 5 nos. | 2.00 |
| 19 | LT Armoured Cables | 1000 mtrs. | 15.00 |
| 20 | Lighting consumable | 200nos. | 3.00 |
| 21 | LED fittings | 250 nos. | 10.00 |
| 22 | Motor spares | 30 nos. | 3.00 |
| 23 | Bearings for motors | 50 nos. | 2.00 |
| 24 | VFDs | 2 nos. | 1.00 |
| 25 | Power Regulators | 6 nos. | 3.00 |
| 26 | BLDC ceiling & wall mount fans | 100 nos. | 3.50 |
| 27 | Pedestal fans | 5 nos. | 0.50 |
| 28 | Exahust Fans | 6 nos. | 0.50 |
| 29 | Measuring instruments | 30 nos. | 1.50 |
| 30 | LV Switchgears & contactor etc. | 10 nos. | 1.00 |
| 31 | Flexible cables | 500 mtrs. | 2.00 |
| 32 | Heating Tapes | 50 nos. | 2.00 |
| 33 | Fuses | 100 nos. | 1.00 |
| 34 | Spares for DG sets | 1 set | 0.50 |
| 35 | Drinking Water Coolers | 2 nos. | 0.80 |
| 36 | Water Purifiers | 3 nos. | 0.40 |
| 37 | MCCBs & ELCBs | 100 nos. | 1.50 |
| 38 | Lighting JB etc. | 100 nos. | 2.50 |
| 39 | Transformer Oil & Paints etc. | 1 KL | 5.00 |
| 40 | Tools and Tackle | 50 nos. | 1.50 |
| 41 | Consumables (Grease, flash strips ,tapes etc.) | lumsum | 2.00 |
| 42 | Protective relays | 5 nos. | 1.00 |
| 43 | Battrey charger small | 1 nos. | 0.50 |
| 44 | Procurement of VCBs | | 40 |
| 45 | Numerical Relay | | 15 |
| 46 | Procurement of MOVs | | 10 |
| 47 | Procurement of Cables (Unarmored & Armored) | | 10 |
| 48 | HT Panel components/spares | | 5 |
| 49 | LT panel components/spares | | 5 |
| 50 | Spares for LT motors | | 5 |
| 51 | LED Light & fitting materials | | 5 |
| 52 | Procurement of small rating LT motors | | 5 |
| 53 | Flameproof Boards | | 30 |
| 54 | Spares for control room, UPS room A/C Units & ventilation system | | 5 |
| 55 | new ACB | | 40 |
| 56 | AC for UPS | | 10 |

Procurement Plan for Heavy Water Board for FY 2024-25

| Sn No | Item Description | Quantity | Total Estimated cost (Rs. In Lakh) |
|------------------|---|--------------------|------------------------------------|
| PC&AL | | | |
| 1 | Spares for Lab instruments | As per Requirement | 40.00 |
| 2 | TOC analyser | 1 | 35.00 |
| 3 | Ion specific potentiometre | 1 | 10.00 |
| 4 | Glass ware and Chemicals | As per Requirement | 5.00 |
| 5 | Hot plates | 2 | 1.00 |
| 6 | Liquid Helium for NMR | | 9.21 |
| 7 | Liquid Nitrogen for NMR | | 2.10 |
| 8 | UHP gases (N2; H2; N2O; He; etc) | | 2.00 |
| 9 | Muffle furnace | | 2.00 |
| 10 | GC-MS spares | | 0.00 |
| 11 | NMR spares | | 41.00 |
| 12 | AAS spares | | 0.00 |
| 13 | FTIR spares | | 0.00 |
| 14 | KF Coulometric Titrator(VDPP) capital project | | 36.00 |
| 15 | KF Volumetric Titrator(VDPP) capital project | | 22.00 |
| 16 | GC with PDHID detector (VDPP) capital project | | 46.62 |
| 17 | GC with FID and methanizer (VDPP) capital project | | 19.62 |
| 18 | CDCI3 Purification unit | | 30.00 |
| 19 | Spin band distillation unit spares | | 6.32 |
| 20 | Spares for other Laboratory Instruments as and when required | | 4.00 |
| 21 | Minor laboratory items (like pH meter; conductivity meter; Hot plate etc) | | 2.00 |
| 22 | Chemicals | | 5.00 |
| 23 | Glasswares | | 3.00 |
| 24 | FTIR | | 30.00 |
| 25 | TIMS | | 250.00 |
| Stores | | | |
| 1 | DUSTER CHECK LINE | 2000 | 0.21 |
| 2 | SOAP LIQUID | 500 | 0.45 |
| 3 | Protective Clothing(SHIRTING) for Gents-(4 PAIR ONCE IN 2 YEARS) | 3049 Mtrs. | 7.62 |
| 4 | Protective Clothing(SHUITING) for Gents-(4 PAIR ONCE IN 2 YEARS) | 1622.8 Mtrs. | 5.68 |
| 5 | Ladies Protective Clothing-SAREE (4 PAIR ONCE IN 2 YEARS) | 13 Sets | 0.15 |
| 6 | Ladies Protective Clothing-SALWAR KAMEEZ-(4 PAIR ONCE IN 2 YEARS) | 75 Sets | 0.85 |
| 7 | Safety Shoes for Technical Employees (ONCE IN TWO YEARS) | 244 Pairs | 4.78 |
| 8 | Leather Chapal/Sandal (ONCE IN TWO YEARS) | 22 Pairs | 0.17 |
| 9 | SOCKS GENTS- 2 PAIRS EVERY YEAR | 900 Pairs | 0.68 |
| 10 | Boot Polish-1 tin (20gm) Once in 2 months or 40 gm once in 4th months | 1400 | 0.35 |
| 11 | Rainy Shoes (1 pair once in 5 years) | 350 Pairs | 2.24 |
| 12 | Rain Suit -Once in 5 years | 350 | 4.46 |
| 13 | Towel | 425 | 0.97 |
| 14 | Napkin | 1700 | 1.02 |
| 15 | Woolen Jersey -Once in 4 Years | 338 | 4.83 |
| 16 | Soap- Monthly | 5000 | 2.00 |
| 17 | SS Glass-(Once in 5 years) | 420 | 0.17 |
| 18 | Ball Point Pen - Once in a month for Admn. Accts & DPS Staff and once in 2 month for all others | 5000 | 1.00 |
| 19 | Leather Shoes - (ONCE IN TWO YEARS) | 43 Pairs | 0.61 |
| 20 | CELL SIZE: AA (PENCIL CELL) | 600 | 0.05 |
| 21 | CELL TORCH (TORCH CELL) | 800 | 0.22 |
| 22 | COTTON RAGS | 2500 Kgs | 2.89 |
| 23 | WATER JUG | 125 | 0.14 |
| 24 | LOCK NAVTAL 5 LEVER | 50 | 0.10 |
| 25 | LOCK NAVTAL 6 LEVER | 50 | 0.15 |
| 26 | LOCK NAVTAL 7 LEVER | 20 | 0.98 |
| 27 | ROPE MANILA 1/2" DIA | 250 | 0.28 |
| 28 | ROPE MANILA 3/4" DIA | 350 | 0.30 |
| 29 | TARPAULINE HDPE 10 X 10 MTR. | 10 | 0.53 |
| 30 | TARPAULINE HDPE 15 X 15 MTR. | 5 | 0.57 |
| 31 | TUMBLER GLASS | 500 | 0.16 |
| 32 | BOOK FIELD | 1000 | 0.24 |

Procurement Plan for Heavy Water Board for FY 2024-25

| Sn No | Item Description | Quantity | Total Estimated cost (Rs. In Lakh) |
|----------------|---|--------------|------------------------------------|
| 33 | BOOK PEON | 200 | 0.21 |
| 34 | FILE BOX TYPE | 350 | 0.32 |
| 35 | FILE MARBLE | 1500 | 0.30 |
| 36 | FILE MARBLE PLASTIC COATED | 1000 | 0.24 |
| 37 | FOLDER BROWN | 4000 | 0.55 |
| 38 | NOTE BOOK | 350 | 0.29 |
| 39 | NOTING SHEET | 500 | 0.23 |
| 40 | PAD CONFERENCE | 200 | 0.13 |
| 41 | PUNCH DOUBLE HOLE | 150 | 0.12 |
| 42 | REGISTER RULED 2 QR. | 200 | 0.25 |
| 43 | REGISTER RULED 3 QR. | 200 | 0.32 |
| 44 | REGISTER RULED 4 QR. | 150 | 0.21 |
| 45 | Dustbin 10 Ltrs. Capacity | 30 | 0.10 |
| 46 | Umbrella | 30 | 0.21 |
| 47 | Cotton Yarn Tag | 2000 Bundles | 0.20 |
| 48 | ANNUAL MAINTAINANCE CONTRACT FOR WEIGHING SCALES AND WEIGH BRIDGES | 1 | 1.67 |
| 49 | Procurment of Socks | 200 no. | 0.43 |
| 50 | Procurment of Shoe Polish | 200 no. | 0.40 |
| 51 | Procurement of Rainy Shoes | 200 no. | 1.82 |
| 52 | Procurement of Suit | 200 no. | 3.62 |
| 53 | Procurment of Towel | 200 no. | 0.57 |
| 54 | Procurment of Napkin | 200 no. | 0.85 |
| 55 | procurment of Woolen Jersey | 200 no. | 3.05 |
| 56 | Procurment of Soap | 200 no. | 1.42 |
| 57 | Procurment of S.S. Glass | 0 | 0.00 |
| 58 | Procurment of Ball Point Pen | 200 no. | 0.50 |
| 59 | Misc. purchase | Lot | 1.00 |
| 60 | COMMON STOCK ITEMS PROCURED BY STORES LIKE, STATIONERY, GENERAL, CLEANING, GASES ETC. | 6.5 | 6.50 |
| 61 | TRANSPORTATION OF TRI BUTYLE PHOSPHATE FROM HWBF-V TO OTHER DAE UNITS IN INDIA FOR PERIOD OF ONE YEAR (Locations:-NFC-Hyderabad, NFC-Kota, NFC-Pazhavakal, HWB-Mumbai) | 40 | 40.00 |
| I&C | | | |
| 1 | Procurement of Video Conferencing for HWP Kota | 2 nos. | 14.00 |
| 2 | Procurement of Servers for HWPK | Various | 12.00 |
| 3 | Procurement of LGs, PGs and TGs & spares | Various | 5.00 |
| 4 | Procurement of DCS servers for process plant | 4 nos. | 20.00 |
| 5 | Procurement & Upgrade of Computers at HWPK | Various | 60.00 |
| 6 | Procurement of Laptops at HWB | 3 nos. | 6.00 |
| 7 | Control valve & spares | Various | 25.00 |
| 8 | Transmitters & spares | Various | 15.00 |
| 9 | Booster & panel spares | Various | 5.00 |
| 10 | H2S monitoring spares | Various | 80.00 |
| 11 | PA System Spares for HWPK | Various | 15.00 |
| 12 | Fire Alarm System & Spares | Various | 75.00 |
| 13 | AMC for various equipments | Various | 10.00 |
| 14 | CCTV Spares | Various | 10.00 |
| 15 | Instrumentation spares | Various | 15.00 |
| 16 | Printer Cartridges | Various | 15.00 |
| 17 | Printers | Various | 5.00 |
| 18 | VC Spares | Various | 1.00 |
| 19 | IT Contract | Various | 25.00 |
| 20 | RTD | Various | 10.00 |
| 21 | I to P convertors | Various | 20.00 |
| 22 | Signal isolators | Various | 30.00 |
| 23 | Swagelok tubes and fittings | Various | 25.00 |
| 24 | HART communicator & Pressure Calibrator | Various | 5.00 |
| 25 | Current source | Various | 2.00 |
| 26 | Multi-meters & IR Tester | Various | 2.00 |
| 27 | Electrical contact cleaner and rust remover | Various | 2.00 |

Procurement Plan for Heavy Water Board for FY 2024-25

| Sn No | Item Description | Quantity | Total Estimated cost (Rs. In Lakh) |
|------------------|---|------------|------------------------------------|
| 28 | Grease and oil | Various | 5.00 |
| 29 | Consumable items (Teflon tape, insulation tape and aluminum tape) | Various | 1.00 |
| 30 | ½" gate valves | Various | 25.00 |
| 31 | Alarm annunciators | Various | 15.00 |
| 32 | Controller, indicator and CLR | Various | 20.00 |
| 33 | Terminal blocks and wiring items (cable glands, lugs, cable ties and crimping tools) | Various | 1.00 |
| 34 | AFR and air filter elements | Various | 2.00 |
| 35 | Saunders valves & spares | Various | 25.00 |
| 36 | Analytical instruments & spares | Various | 5.00 |
| 37 | Instrumentation cables | Various | 10.00 |
| 38 | Pressure switch, Level Switch, Temperature Switch | Various | 5.00 |
| 39 | Telecommunication equipments | Various | 10.00 |
| 40 | EPABX spares | Various | 15.00 |
| 41 | Physical Protection System spares | Various | 2.00 |
| 42 | LAN equipments & spares | Various | 5.00 |
| 43 | Spare valve actuators of Saunders valves | Various | 50.00 |
| 44 | Cable(FO cable,Power cable & Signal cable) and Cable Trays | 1 Lot | 8.00 |
| 45 | Power supply module/SMPS | 1 Lot | 0.30 |
| 46 | Controller / indicator / Paperless Recorder of control system | 1 Lot | 4.00 |
| 47 | Field Measuring instruments (LG/LT/PT/TC/PG), Gas Detectors and its spares | Lumpsum | 11.00 |
| 48 | CCTV Spares (Bullet Camera, PTZ camera, POE Switch etc) and TV Screens | Lumpsum | 4.00 |
| 49 | Spare for test equipments & tools tackle | 1 Lot | 2.00 |
| 50 | Pneumatic instrument(Control valve & Actuator) and SOVs and spares | 1 Lot | 2.50 |
| 51 | FAS and PA system equipments and spares | 1 Lot | 1.00 |
| 52 | Access Control System Spares | 1 Lot | 1.00 |
| 53 | Miscellaneous Instrumentation Purchase | 1 Lot | 2.00 |
| 54 | ETP PLC | | 35.00 |
| 55 | DCS spares | | 50.00 |
| 56 | Fisher V automat LT Heads | | 10.00 |
| 57 | CONTROL VALVES POSITIONERS & SPARES(ALL VALVES) | | 5.00 |
| 58 | MISC. INSTRUMENTS / SPARES FOR MAIN PLANTS | | 10.00 |
| 59 | New Control valves | | 15.00 |
| 60 | Dew point analyzer | | 12.00 |
| Chemicals | | | |
| 1 | Hydrochloric Acid | 2600 MT | 0.26 |
| 2 | Caustic Soda, Lye | 600 MT | 241.98 |
| 3 | Caustic Soda, Flakes | 100 MT | 42.17 |
| 4 | Sulphuric Acid | 100 MT | 10.26 |
| 5 | Sodium Hydrogen Sulphide (NaHS) Solution* | 96 MT | 56.33 |
| 6 | Sodium Sulphide, Flakes* | 85 MT | 81.18 |
| 7 | Turbinol 46 | 6300 Ltrs | 10.71 |
| 8 | Hydrated Lime | 100 MT | 7.88 |
| 9 | Liq. Petroleum Gas | 120 MT | 84.00 |
| 10 | Poly-Aluminium Chloride | 12 MT | 2.01 |
| 11 | Monoethanolamine (MEA) | 1260 Kgs | 1.85 |
| 12 | Bleaching Powder | 15 MT | 3.00 |
| 13 | Liquid Chlorine | 21.6 MT | 1.94 |
| 14 | Activated Carbon | 34250 Kgs | 41.10 |
| 15 | Resin-SBA Type II (for AX) Gel | 33660 Ltrs | 74.29 |
| 16 | Potassium Fluoride | 20.25 MT | 167.00 |
| 17 | Calcium Carbide | 16 MT | 121.76 |
| 18 | Light Liquid Paraffin Oil | 10.5 KL | 12.24 |
| 19 | Slate Paraffin Wax | 2 MT | 2.12 |
| 20 | CRCA Drums | 500 Nos | 5.00 |
| 21 | Inert Gas | 700 m3 | 0.52 |
| 22 | Refractory Items | 1 Lot | 10.00 |
| 23 | Asbestos Gasket | 465 Nos | 0.86 |
| 24 | Ceramic Rope | 100 Kg | 0.50 |

Procurement Plan for Heavy Water Board for FY 2024-25

| Sn No | Item Description | Quantity | Total Estimated cost (Rs. In Lakh) |
|--------------|--|-----------|------------------------------------|
| 25 | LDPE Bags | 100 Kg | 0.25 |
| 26 | Soft Rubber Cord | 700 m | 0.50 |
| 27 | Cotton Bags | 700 Nos | 2.40 |
| 28 | Cotton Markin Cloth | 200 m | 0.25 |
| 29 | Paint Brushes | 100 Nos | 0.10 |
| 30 | Lock Pins | 700 Nos | 0.75 |
| 31 | Tag for Drums | 700 Nos | 0.10 |
| 32 | Miscellaneous operational tools for pottasium plant | 1 Set | 10.00 |
| 33 | Sodium Chloride | 75 MT | 32.97 |
| 34 | Calcium Chloride | 15 MT | 3.90 |
| 35 | Barium Chloride | 15 MT | 10.71 |
| 36 | Sodium Hydroxide Solution | 50 MT | 23.60 |
| 37 | UHP Argon gas | 21000 m3 | 27.26 |
| 38 | Ceramic Fibre Blankets | 15 Nos | 0.25 |
| 39 | LDPE Bags | 100 Kg | 0.52 |
| 40 | Tag for Drums | 700 Nos | 0.10 |
| 41 | Miscellaneous operational tools for Sodium plant | 1 Set | 10.00 |
| 42 | KM1R Catalyst | | 70.00 |
| 43 | Lubricating Oils | | 50.00 |
| 44 | Hexane | | 5.00 |
| 45 | Alumina balls, Silica Gel, Activated Carbon | | 10.00 |
| Civil | | | |
| 1 | Chairs | 35 Nos | 2.00 |
| 2 | Synthetic resin adhesive for wood and joinry work like Fevicol | 30 Liter | 0.25 |
| 3 | Glass Putti adhesive | 5 Kg | 0.10 |
| 4 | Shade Nets for agriculture and horticulture purpose | 250 sqm | 0.23 |
| 5 | 6 mm, 9mm, 12mm, 19mm thick ply wood | 1800 Sqf | 1.00 |
| 6 | 20 mm, 35 mm and 50 mm wooden screw | 30 kg | 0.40 |
| 7 | Door closer | 24 No. | 0.25 |
| 8 | Silicone sealant | 60 No. | 0.24 |
| 9 | Aluminium alloy door handles | 200 Piece | 0.10 |
| 10 | Pinewood staging planks | 10 Pieces | 0.25 |
| 11 | Malathion, chlorpyrifos | 20 Ltr | 0.40 |
| 12 | Ordinary Portland Cement grade 43, conforming to IS: 269-2015 in 50 Kg HDPE Bags. | 225 kg | 1.00 |
| 13 | Bricks | 5000 No. | 0.50 |
| 14 | Coarse aggregate of nominal size of 20 mm & 10 mm | 40 m3 | 0.70 |
| 15 | Tarpaulins(25x50 sqft) | 20 Pieces | 0.80 |
| 16 | Free flow, high strength, non-shrink, cementitious precision grout, ready mix dry powder | 350 kg | 0.25 |
| 17 | Synthetic enamel paint of colour Black, Green, Oxford Blue, White, Signal Red, Smoke grey | 180 Ltr | 0.75 |
| 18 | Aluminium metallic paint | 40 Ltr | 0.22 |
| 19 | Turpentine oil | 50 Liter | 0.15 |
| 20 | Liquid Varnishes | 50 liter | 0.10 |
| 21 | Epoxy compound for sealing joints in plumbing like M Seal | 50 Kg | 0.30 |
| 22 | 15 mm Bib, Pillar Taps | 100 No. | 1.00 |
| 23 | 15 & 20 mm gate valve | 80 No. | 0.60 |
| 24 | 15 mm stop cock | 50 No. | 0.25 |
| 25 | PVC Connection tube 450mm | 200 No. | 0.10 |
| 26 | Hacksaw Blade | 100 No. | 0.02 |
| 27 | Bathroom hand shower | 100 No. | 0.25 |
| 28 | 15mm float valve | 50 No. | 0.20 |
| 29 | HDPE flushing cistern of capacity 10 Litres | 20 No. | 0.15 |
| 30 | Medium class galvanized steel pipe of 15 mm, 20 mm & 25 mm | 270 meter | 0.75 |
| 31 | Liquid soap dispenser | 50 No. | 0.23 |
| 32 | Toilet mirror | 12 No. | 0.18 |
| 33 | GI fittings like elbow, socket, nipples, reducers, Tee, Union etc. of 15mm, 20mm, 25mm, 32mm, 40mm, 50mm, 75mm & 100mm sizes | 1000 No. | 0.50 |
| 34 | PVC pipes | 30 Piece | 0.23 |
| 35 | PVC fittings like Bend, sockets, Tee | 50 Piece | 0.20 |

Procurement Plan for Heavy Water Board for FY 2024-25

| Sn No | Item Description | Quantity | Total Estimated cost (Rs. In Lakh) |
|---------------------------------|---|-----------|------------------------------------|
| 36 | Welding Electrodes E-6013, 3.15 mm dia and 350 mm length | 2500 No. | 0.23 |
| 37 | Weld mesh fabric | 3 Roll | 0.25 |
| 38 | Chainlink fencing | 200 kg | 0.25 |
| 39 | Chop saw machine | 1 No. | 0.18 |
| 40 | Plumbing related items | Lot | 1.00 |
| Safety & Environment | | | |
| 1 | Luxfer make BA cylinder 2.0 ltr (Nos.) | 40 | 15.00 |
| 2 | BA set spares for 2.0 ltr and 9.0 ltr (Nos.) | various | 10.00 |
| 3 | Canister face mask (Nos.) | 200 | 8.00 |
| 4 | Monitors and sensors- SO2, H2S, Noise level, O2 etc (Nos.) | various | 4.00 |
| 5 | Batteries for various monitors (Nos.) | various | 1.00 |
| 6 | Breathing Air detection tubes suitable for M/s MSA make high pressure breathing air analyzer" (set) | 4 | 1.00 |
| 7 | Procurement of calibration gasses (Nos.) | various | 0.4 |
| 8 | Industrial Personal Protective equipments(Nos.) | various | 10 |
| 9 | LSA spares(Nos.) | various | 7.5 |
| 10 | Printing of log sheets etc. | various | 1.5 |
| 11 | Hand gloves(kevlar) | 300.00 | 3.5 |
| 12 | Hand gloves(Cotton,PVC) | 1Lot | 0.5 |
| 13 | Safety Shoes | 120.00 | 2 |
| 14 | Face Shield (Mask, Goggle, Dust Mask) | 1Lot | 0.5 |
| 15 | Miscellaneous Safety PPE | 1 Lot | 2 |
| 16 | Procurement for Promotional Activities | 1Lot | 1.3 |
| 17 | Procurment of Safety Momento | 215.00 | 2.15 |
| Fire | | | |
| 1 | Variable Water flow monitor for enhanced fire mitigation in XU | 2 Nos. | 7.00 |
| 2 | Non-Percolating Flexible Fire Fighting Delivery Hose | 100 Nos. | 5.00 |
| 3 | Fire Extinguishers | 100 Nos. | 3.00 |
| 4 | AFFF Foam | 3000 ltr. | 1.00 |
| 5 | Spares for Inflatable Emergency Tower Light | 2 Sets | 2.00 |
| 6 | Aerosol SOLO A 10 & Dispensor | 20 Nos. | 0.50 |
| 7 | Miscellaneous Hose Fittings Like Adaptors, Breachings & Branches | 50 Nos. | 2.00 |
| 8 | Battery for Holmatro make Combi Tool | 2 Nos. | 3.00 |
| 9 | Towing jeep (Replacement of old towing jeep) | 1 | 18.00 |
| 10 | Purchase of fire chemical Powder | 500 kg | 1.50 |
| 11 | Purchase of fire chemical (Foam) | 500 kg | 1.50 |
| 12 | Replacement of fire fighting equipments | Lot | 2.00 |
| 13 | Uniform Items of Fire section | Lot | 1.75 |
| 14 | Items for public outreach | Lot | 1.00 |
| 15 | Copper bus bar extension for 24kA cell | Lot | 6.30 |
| Security | | | |
| 1 | Motor cycle (two wheeler) Replacement of old Motor cycle | 1no. | 2.00 |
| 2 | Uniform items for securiy staff | 1 Lot | 0.00 |
| 3 | Stationary Items | 1 Lot | 1.00 |
| 4 | Security Gadgets | 1 Lot | 5.00 |
| 5 | Miscellaneous | 1 Lot | 0.50 |
| IT Equipment | | | |
| 1 | IT consumables | 2 lot | 2.00 |
| 2 | IT spare | 1 lot | 1.00 |
| 3 | Computer Hardwares & peripherals | 1 lot | 5.50 |
| 4 | Server and Rack | 1 No. | 4.50 |
| 5 | Networking hardwares including cables | 1 lot | 0.70 |
| 6 | Security surveillance equipment spares (Includes camera,PoE switch media converter,storage and display) | 1 lot | 3.00 |
| 7 | Software(OS and Application) | | 3.20 |
| 8 | Testing and Tools & takel | Lumpsum | 0.50 |
| 9 | Maintenance of IT equipments | | 11.00 |
| 10 | Secure Network Access System for HWB and Sites | 7 | 100.00 |
| 11 | Desktop Systems | 63 | 5.31 |
| 12 | Printers | 12 | 4.00 |

Procurement Plan for Heavy Water Board for FY 2024-25

| Sn No | Item Description | Quantity | Total Estimated cost (Rs. In Lakh) |
|-------|---|--------------|------------------------------------|
| 13 | Router | 1 | 5.00 |
| 14 | Miscellaneous Items | Lumpsum | 5.00 |
| 15 | Maintenance of LAN Services | Lumpsum | 7.00 |
| 16 | Maintenance of Email Services at HWB and Sites | Lumpsum | 66.86 |
| 17 | Maintenance of Antivirus & Proxy Services at HWB and sites | Lumpsum | 85.00 |
| 18 | IT consumables (Lan Cables, Connectors etc) | 1 lot | 1.00 |
| 19 | IT spares and Miscellaneous items (eg: keyboard, Mouse, Speakers, webcam etc) | 1 lot | 2.00 |
| 20 | Desktop Computer and Printers | 1 lot | 2.50 |
| 21 | Servers | 2 No | 6.50 |
| 22 | Networking hardwares, Switches, Server Rack including cables | 1 lot | 1.50 |
| 23 | Media converter,storage device (SSD, RAM and HDDs) | 1 lot | 1.25 |
| 24 | Software(OS and Antivirus Application License) | 1 lot | 0.50 |
| 25 | Testing and Tools & tackels | Lumpsum | 0.25 |
| 26 | UPS Battereis | 1 Lot | 0.00 |
| | | Total | 6690.54 |

Procurement Plan for Heavy Water Board for FY 2025-26

| Sn No | Item Description | Quantity | Total Estimated cost (Rs. In Lakh) |
|-------------------------|--|----------|------------------------------------|
| Mechanical items | | | |
| 1 | Routine spares/equipment's for O&M of HWP Hazira | Lumpsum | 660 |
| 2 | Upgradation of DCS system | 1 | 250 |
| 3 | Fire Tender | 1 | 130 |
| 4 | Tube of GHH Condensers | 2 | 50 |
| 5 | Structural strengthening material | Lumpsum | 55 |
| 6 | Mini Cracker superheater | 2 | 100 |
| 7 | Upgradation of existing CCTV system in HAEP Plant premises | Lumpsum | 150 |
| 8 | Spares for pumps | Lumpsum | 10.00 |
| 9 | Mechanical seal for pumps | Lumpsum | 20.00 |
| 10 | Spares for air compressors | Lumpsum | 10.00 |
| 11 | H2S compressor valve assemblies & spares | Lumpsum | 5.00 |
| 12 | Tyres & Tubes | Lumpsum | 2.00 |
| 13 | Welding Consumables | Lumpsum | 1.00 |
| 14 | Spares for Workshop M/c | Lumpsum | 2.00 |
| 15 | Insulation materials | Lumpsum | 20.00 |
| 16 | Valves including GATE, PLUG, NRV | Lumpsum | 20.00 |
| 17 | Piping & fitting spares | Lumpsum | 30.00 |
| 18 | Procurment of Lubricating and hydraulic oil | Lumpsum | 4.00 |
| 19 | Ultrasoinc testing machine and accessories | Lumpsum | 1.00 |
| 20 | Gasket | Lumpsum | 20.00 |
| 21 | Procurement of forklift | 1 lot | 15.00 |
| 22 | Procurement of RDVF | 1 lot | 30.00 |
| 23 | Procurement of SS vessels | 1 lot | 10.00 |
| 24 | Procurement of PTFE lined vessels | 1 lot | 40.00 |
| 25 | Procurement of boilers | 1 lot | 12.00 |
| 26 | Procurement of Brine chilling system | 1 lot | 50.00 |
| 27 | Procurement of SS pipes | 1 lot | 5.00 |
| 28 | Procurement of CS Pipes | 1 lot | 5.00 |
| 29 | Procurement of Oil Sealed Rotary Vacuum pump | 1 lot | 6.00 |
| 30 | Procurement of pupms | 1 lot | 6.00 |
| 31 | Procurement of of structure | 1 lot | 6.00 |
| 32 | Procurement of Studs with Nut | 1 lot | 2.00 |
| 33 | Procurement of Spare for brine chilling systems | 1 lot | 5.00 |
| 34 | Procurement of spares of Air compressor | 1 lot | 6.00 |
| 35 | Procurement of spares of Boiler | 1 lot | 2.00 |
| 36 | Procurement of Glasslined spares | 1 lot | 3.00 |
| 37 | Procurement of spares of VAC system | 1 lot | 5.00 |
| 38 | Procurement of pump spares | 1 lot | 3.60 |
| 39 | Procurement of W/shop Consumables | 1 lot | 5.00 |
| 40 | Procurement of paints | 1 lot | 35.00 |
| 41 | Procurement of Preventive/BD consumables | 1 lot | 45.00 |
| 42 | Procurement of Autogarage works | 1 lot | 6.00 |
| 43 | Procurement of Gasket material | 1 lot | 10.00 |
| 44 | Procurement of spares of Diesel engine | 1 lot | 2.00 |
| 45 | Procurement of spares for crane | 1 lot | 3.00 |
| 46 | Procurement of spares of Forklift | 1 lot | 1.00 |
| 47 | Procurement of spares of Fire tender | 1 lot | 2.00 |
| 48 | Heat exchangers (Hastealloy, SiC) | 6 | 500 |
| 49 | Glass lines vessels | 9 | 200 |
| 50 | Coloumn (PTFE lined, glass lined, PFRP, SS) | 6 | 150 |
| 51 | Metallic Pressure vessels (Hastealloy) | 3 | 250 |
| 52 | Reactor (tantalum, SiC) | 2 | 250 |

Procurement Plan for Heavy Water Board for FY 2025-26

| Sn No | Item Description | Quantity | Total Estimated cost (Rs. In Lakh) |
|-------------------------|---|--------------------|------------------------------------|
| 53 | Piping (SS, CS, Hastelloy, PTFE lined, Glass lined, PFRP) | lot | 150 |
| 54 | DCS and field instruments (FT, LT, CV, SDVs, PG, TC) | Lot | 1000 |
| 55 | Heaters | lot | 250 |
| 56 | DG Set 250 KVA | 1 | 35 |
| 57 | LT Panel | 5 | 100 |
| 58 | Power and control cables | lot | 50 |
| 59 | PSA for Nitrogen plant | 1 | 100 |
| 60 | FRP cooling tower | 1 | 25 |
| 61 | Pumps and blowers | lot | 50 |
| 62 | PPH spiral wound reactor | 3 | 20 |
| 63 | Pressure Swing Absorber System for He system | 1 | 14 |
| 64 | Procurement of machine spares for TBP plant and MEE unit | 1 lot | 29 |
| 65 | Procurement of machine spares for DMW plant and utilites. | 1 lot | 24 |
| 66 | Procurement of pipes, fittings and Valves | 1 lot | 18 |
| 67 | Procurement of Retort Bodies for K-metal Plant | 80 nos. | 35 |
| 68 | Procurement of Retort Heads for K-metal Plant | 60 nos. | 9 |
| 69 | Procurement of spares of K-metal Plant | | 9 |
| 70 | Procurement of Miscellaneous workshop consumables like welding electrodes, grinding wheel, cutting oil, tools etc | 1 lot | 13 |
| 71 | Procurement of spares 24 KA sodium cell | 1 lot | 15 |
| 72 | Procurement of various valve component spares | | 12 |
| 73 | Procurement of Syn. Gas compressor spares (20K4 , 20K5 19K3A/B) | | 10 |
| 74 | Procurement of IA / IGP compressor spares (30K11/12, 37K1,37RC1/2.) | | 10 |
| 75 | Procurement of 14P3 diaphragm | | 10 |
| 76 | Procurement of CW return header modification material | | 150 |
| 77 | Procurement for Structure member of cooling tower | | 250 |
| 78 | 20V6 vessel | | 10 |
| 79 | Procurement of Bearing of various compressors & Motors | | 10 |
| 80 | Procurement of new Burners | | 50 |
| 81 | E4120 retubing | | 35 |
| 82 | Procurement of HP/MP/LP valves | | 15 |
| 83 | Procurement 37 RC1/RC2 compressor | | 20 |
| 84 | Storage tank for D2O | | 40 |
| Electrical items | | | |
| 1 | LED lighting | As per Requirement | 5.50 |
| 2 | Split AC's and Cassette type AC's and spares | As per Requirement | 9.00 |
| 3 | New Battery Chargers & spares | As per Requirement | 15.00 |
| 4 | Spares for DG sets | As per Requirement | 5.00 |
| 5 | HSD | As per Requirement | 18.00 |
| 6 | 415 Volts Switch gear Spares like Fuses, MCBs, ELCB, Contractor SFU, Over load relays, connector block, Junction Box, etc | As per Requirement | 5.00 |
| 7 | Protective relays/ Meters Equipments | As per Requirement | 15.00 |
| 8 | New VFDs | As per Requirement | 100.00 |
| 9 | VFD spares | As per Requirement | 2.50 |
| 10 | 220KVoltsSF6 Breaker Air Compressor & Spares | As per Requirement | 20.00 |
| 11 | Power & Control cables | As per Requirement | 15.00 |

Procurement Plan for Heavy Water Board for FY 2025-26

| Sn No | Item Description | Quantity | Total Estimated cost (Rs. In Lakh) |
|----------------|--|--------------------|------------------------------------|
| 12 | Bearings for Motors | As per Requirement | 20.00 |
| 13 | LT Motors | As per Requirement | 20.00 |
| 14 | Heating Oils, Lubricant, Varnish, paints, etc | As per Requirement | 2.50 |
| 15 | Transformer oil | As per Requirement | 35.00 |
| 16 | Testing / Measuring Equipments | As per Requirement | 20.00 |
| 17 | Wire for house wiring | As per Requirement | 2.50 |
| 18 | 1MVA 33KV/415V Transformer for Colony | As per Requirement | 35.00 |
| 19 | 33KV VCB out door breaker | As per Requirement | 15.00 |
| 20 | 415 Volt MCC for colony power distribution | As per Requirement | 15.00 |
| 21 | Lighting consumable | 200nos. | 4.00 |
| 22 | Lighting maintenance | 2000 nos. | 4.40 |
| 23 | Battery | 400nos. | 3.50 |
| 24 | Battery maintenance | 540nos. | 8.80 |
| 25 | 20KVA UPS system | 1 set | 15.00 |
| 26 | Motor & drives | 10 nos. | 0.00 |
| 27 | Motor maintenance | 300nos. | 0.00 |
| 28 | Air conditioner maintenance | 98 nos. | 12.10 |
| 29 | Switchyard equipments | 2 set | 3.00 |
| 30 | Transformer maintenance | 8nos. | 3.30 |
| 31 | LV Switchgear maintenance | 60nos. | 11.00 |
| 32 | DG SET Maintenance | 2 set | 1.82 |
| 33 | Supply and installation of E-tab and SAFE Software | 1 | 15 Lakh |
| 34 | Battery Charger Class-I supply (110 V DC) | 1 set | 8.00 |
| 35 | 500 kVA Class-IV Transformer | 1 no. | 10.00 |
| 36 | 66 KV Relay panel | 1 no. | 10.00 |
| 37 | Switchyard consumables | 2 set | 2.00 |
| 38 | Air conditioner | 5 nos. | 2.00 |
| 39 | LT Armoured Cables | 1000 mtrs. | 5.00 |
| 40 | Lighting consumable | 200nos. | 4.00 |
| 41 | LED fittings | 100 nos. | 4.50 |
| 42 | Battery | 2 nos. | 0.50 |
| 43 | Motor | 10 nos. | 4.00 |
| 44 | Bearings for motors | 30 nos. | 1.50 |
| 45 | Electrical Panels | 2 nos. | 5.00 |
| 46 | Power Regulators | 2 nos. | 1.50 |
| 47 | High Current transformer | 2 nos. | 5.00 |
| 48 | BLDC ceiling & wall mount fans | 50 nos. | 2.00 |
| 49 | Pedestal fans | 8 nos. | 0.80 |
| 50 | Exahust Fans | 10 nos. | 0.80 |
| 51 | Measuring instruments | 30 nos. | 1.50 |
| 52 | LV Switchgears & contactor etc. | 10 nos. | 1.10 |
| 53 | Heating Tapes | 50 nos. | 2.50 |
| 54 | Fuses | 50 nos. | 0.60 |
| 55 | Spares for DG sets | 1 set | 0.50 |
| 56 | Drinking Water Coolers | 2 nos. | 0.90 |
| 57 | MCCBs & ELCBs | 50 nos. | 1.00 |
| 58 | Lighting JB etc. | 50 nos. | 1.50 |
| 59 | Tools and Tackle | 50 nos. | 2.00 |
| 60 | Consumables (Grease, flash strips ,tapes etc.) | lumsun | 2.50 |
| 61 | Numerical Relay | | 10.00 |
| 62 | Procurement of MOVs | | 10.00 |
| 63 | Procurement of Cables (Unarmored & Armored) | | 10.00 |
| 64 | Flameproof Boards | | 30.00 |
| 65 | 11 KV switchboards replacement | | 100.00 |
| 66 | ABT meter | | 50.00 |
| 67 | Spare HT/LT motor | | 100.00 |
| I&C | | | |
| 1 | Procurement of Servers for HWPK | Various | 20.00 |
| 2 | Procurement of LGs, PGs and TGs & spares | Various | 5.00 |

Procurement Plan for Heavy Water Board for FY 2025-26

| Sn No | Item Description | Quantity | Total Estimated cost (Rs. In Lakh) |
|-------|---|----------|------------------------------------|
| 3 | Procurement & Upgrade of Computers at HWPK | Various | 25.00 |
| 4 | ROIV valves & spares | Various | 50.00 |
| 5 | Control valve & spares | Various | 25.00 |
| 6 | Transmitters & spares | Various | 15.00 |
| 7 | Booster & panel spares | Various | 5.00 |
| 8 | H2S monitoring spares | Various | 80.00 |
| 9 | PA System Spares for HWPK | Various | 10.00 |
| 10 | Fire Alarm System & Spares | Various | 75.00 |
| 11 | AMC for various equipments | Various | 10.00 |
| 12 | CCTV Spares | Various | 10.00 |
| 13 | Instrumentation spares | Various | 15.00 |
| 14 | Printer Cartridges | Various | 15.00 |
| 15 | Printers | Various | 5.00 |
| 16 | VC Spares | Various | 1.00 |
| 17 | IT Contract | Various | 25.00 |
| 18 | Signal isolators | Various | 30.00 |
| 19 | Electrical contact cleaner and rust remover | Various | 2.00 |
| 20 | Consumable items (Teflon tape, insulation tape and aluminum tape) | Various | 1.00 |
| 21 | Terminal blocks and wiring items (cable glands, lugs, cable ties and crimping tools) | Various | 1.00 |
| 22 | AFR and air filter elements | Various | 2.00 |
| 23 | Motorized Valve Actuators and spares | Various | 50.00 |
| 24 | Analytical instruments & spares | Various | 5.00 |
| 25 | Instrumentation cables | Various | 10.00 |
| 26 | Pressure switch, Level Switch, Temperature Switch | Various | 5.00 |
| 27 | Telecommunication equipments | Various | 10.00 |
| 28 | EPABX spares | Various | 15.00 |
| 29 | Physical Protection System spares | Various | 2.00 |
| 30 | LAN equipments & spares | Various | 5.00 |
| 31 | Spare valve actuators of Saunders valves | Various | 10.00 |
| 32 | Cable(FO cable,Power cable & Signal cable) | 1 Lot | 3.00 |
| 33 | Power supply module/SMPS | 10 | 0.50 |
| 34 | Controller / indicator of control system | Lot | 5.00 |
| 35 | Field Measuring instruments | Lumpsum | 8.00 |
| 36 | Annual maintenance of instruments and CCTV | | 27.00 |
| 37 | Spare for test equipments & tools tackle | Lot | 2.50 |
| 38 | Pneumatic instrument(Control valve & Actuator) | Lot | 3.00 |
| 39 | PA system equipments | Lot | 1.50 |
| 40 | Physical protection system | lot | 3.00 |
| 41 | Procurement of Gas Chromatograph (GC) at HWPK | 1 no | 50.00 |
| 42 | Procurement of Total Organic Carbon analyser at HWPK | 1 no | 40.00 |
| 43 | Cable(FO cable,Power cable & Signal cable) and Cable Trays | 1 Lot | 6.00 |
| 44 | Power supply module/SMPS | 1 Lot | 0.50 |
| 45 | Controller / indicator / Paperless Recorder of control system | 1 Lot | 3.00 |
| 46 | Field Measuring instruments (LG/LT/PT/TC/PG), Gas Detectors and its spares | Lumpsum | 12.00 |
| 47 | CCTV Spares (Bullet Camera, PTZ camera, POE Switch etc) and TV Screens | Lumpsum | 3.00 |
| 48 | Spare for test equipments & tools tackle | 1 Lot | 2.50 |
| 49 | Pneumatic instrument(Control valve & Actuator) and SOVs and spares | 1 Lot | 3.00 |
| 50 | FAS and PA system equipments and spares | 1 Lot | 1.50 |
| 51 | Access Control System Spares | 1 Lot | 1.00 |
| 52 | Miscellaneous Instrumentation Purchase | 1 Lot | 2.00 |

Procurement Plan for Heavy Water Board for FY 2025-26

| Sn No | Item Description | Quantity | Total Estimated cost (Rs. In Lakh) |
|--------------|---|-----------|------------------------------------|
| 53 | DCS spares | | 50.00 |
| 54 | Fisher V automat LT Heads | | 10.00 |
| 55 | AMMONIA /HYDROGEN DETECTORS and control pannel | | 40.00 |
| 56 | CONTROL VALVES POSITIONERS & SPARES(ALL VALVES) | | 5.35 |
| 57 | Nox Analyzer for Main & Mini Cracker | | 70.00 |
| 58 | MISC. INSTRUMENTS / SPARES FOR MAIN PLANTS | | 10.70 |
| 59 | Instrument Air Dryer PLC upgradation with spares | | 20.00 |
| 60 | SAFETY VALVES (17 UNIT) New | | 20.00 |
| 61 | UPGRADATION OF IGP TURBINE PANNEL | | 20.00 |
| 62 | New Control valves | | 10.00 |
| Civil | | | |
| 1 | Synthetic resin adhesive for wood and joinry work like Fevicol | 30 Liter | 0.27 |
| 2 | Glass Putti adhesive | 5 Kg | 0.11 |
| 3 | Shade Nets for agriculture and horticulture purpose | 250 sqm | 0.24 |
| 4 | 6 mm, 9mm, 12mm, 19mm thick ply wood | 1800 Sqf | 1.06 |
| 5 | 20 mm, 35 mm and 50 mm wooden screw | 30 kg | 0.42 |
| 6 | Door closer | 24 No. | 0.27 |
| 7 | Silicone sealant | 60 No. | 0.25 |
| 8 | Aluminium alloy door handles | 200 Piece | 0.11 |
| 9 | Pinewood staging planks | 10 Pieces | 0.27 |
| 10 | Acrylic Sheet 8'x4' | 5 Nos | 0.25 |
| 11 | Ordinary Portland Cement grade 43, conforming to IS: 269-2015 in 50 Kg HDPE Bags. | 225 kg | 1.06 |
| 12 | Bricks | 5000 No. | 0.53 |
| 13 | Coarse aggregate of nominal size of 20 mm & 10 mm | 40 m3 | 0.74 |
| 14 | Tile cutter Blade | 20 No. | 0.04 |
| 15 | Tarpaulins(25x50 sqft) | 20 Pieces | 0.85 |
| 16 | Free flow, high strength, non-shrink, cementitious precision grout, ready mix dry powder | 350 kg | 0.27 |
| 17 | Synthetic enamel paint of colour Black, Green, Oxford Blue, White, Signal Red, Smoke grey | 180 Ltr | 0.80 |
| 18 | Aluminium metallic paint | 40 Ltr | 0.23 |
| 19 | Turpentine oil | 50 Liter | 0.16 |
| 20 | Liquid Varnishes | 50 liter | 0.11 |
| 21 | Epoxy compound for sealing joints in plumbing like M Seal | 50 Kg | 0.32 |
| 22 | 15 mm Bib, Pillar Taps | 100 No. | 1.06 |
| 23 | 15 & 20 mm gate valve | 80 No. | 0.64 |
| 24 | 15 mm stop cock | 50 No. | 0.27 |
| 25 | PVC Connection tube 450mm | 200 No. | 0.11 |
| 26 | Bathroom hand shower | 100 No. | 0.27 |
| 27 | 15mm float valve | 50 No. | 0.22 |
| 28 | HDPE flushing cistern of capacity 10 Litres | 20 No. | 0.16 |
| 29 | Medium class galvanized steel pipe of 15 mm, 20 mm & 25 mm | 270 meter | 0.90 |
| 30 | Liquid soap dispenser | 50 No. | 0.24 |
| 31 | Toilet mirror | 12 No. | 0.19 |

Procurement Plan for Heavy Water Board for FY 2025-26

| Sn No | Item Description | Quantity | Total Estimated cost (Rs. In Lakh) |
|------------------|--|------------|------------------------------------|
| 32 | GI fittings like elbow, socket, nipples, reducers, Tee, Union etc. of 15mm, 20mm, 25mm, 32mm, 40mm, 50mm, 75mm & 100mm sizes | 1000 No. | 0.60 |
| 33 | PVC pipes | 30 Piece | 0.24 |
| 34 | PVC fittings like Bend, sockets, Tee | 50 Piece | 0.21 |
| 35 | OWC | 12 Pieces | 0.25 |
| 36 | EWC | 12 Pieces | 0.25 |
| 37 | Welding Electrodes E-6013, 3.15 mm dia and 350 mm length | 2500 No. | 0.25 |
| 38 | Weld mesh fabric | 3 Roll | 0.27 |
| 39 | Chainlink fencing | 200 kg | 0.27 |
| 40 | Various Plumbing items for colony and plant | 1 lot | 5.00 |
| 41 | Various carpentry items for colony and plant | 1 lot | 5.00 |
| 42 | Centrifugal pump of 20 HP for colony drinking water supply | 1 lot | 4.00 |
| 43 | Submersible pump of 5HP for stp colony | 1 lot | 1.00 |
| 44 | Plumbing related items | Lot | 1.07 |
| Chemicals | | | |
| 1 | Hydrochloric Acid | 2475 MT | 24.75 |
| 2 | Caustic Soda, Lye | 642 MT | 258.78 |
| 3 | Caustic Soda, Flakes | 100 MT | 45.12 |
| 4 | Sulphuric Acid | 100 MT | 10.98 |
| 5 | Sodium Hydrogen Sulphide (NaHS) Solution* | 96 MT | 67.60 |
| 6 | Sodium Sulphide, Flakes* | 85 MT | 86.86 |
| 7 | Turbinol 46 | 6300 Ltrs | 11.46 |
| 8 | Hydrated Lime | 100 MT | 8.43 |
| 9 | Liq. Petroleum Gas | 120 MT | 89.88 |
| 10 | Liquid Nitrogen | 120000 Kgs | 36.00 |
| 11 | Poly-Aluminium Chloride | 12 MT | 2.15 |
| 12 | Monoethanolamine (MEA) | 1260 Kgs | 1.98 |
| 13 | Bleaching Powder | 15 MT | 3.21 |
| 14 | Liquid Chlorine | 21.6 MT | 3.24 |
| 15 | Resin-SAC (for CX) Gel | 36000 Ltrs | 45.03 |
| 16 | Resin-WAC (for CX) Gel | 33000 Ltrs | 85.28 |
| 17 | Resin-SBA Type II (for AX) Gel | 33660 Ltrs | 79.49 |
| 18 | POCI 3 | 42 Te | 55.81 |
| 19 | N- Butanol | 80 Te | 100.58 |
| 20 | Na2CO3 (Soda Ash) | 54 Te | 21.92 |
| 21 | BF3 Complex | 11000 Kg | 77.00 |
| 22 | Potassium Fluoride (KF) | 1000 Kg | 3.69 |
| 23 | Acetone | 2000 Ltr | 2.54 |
| 24 | Calcium Carbonate | 4000 Kg | 1.85 |
| 25 | HF | 75 Kg | 2.66 |
| 26 | Oleum | 450 Kg | 38.55 |
| 27 | H2SO4 | 300 Ltr | 1.28 |
| 28 | Ferric Chloride | 8000 Kg | 7.66 |
| 29 | Precoat Powder | 6000 Kg | 5.45 |
| 30 | Sodium Hydroxide | 10 Te | 8.47 |
| 31 | HCl | 24 Te | 2.64 |
| 32 | ETP Sludge | 20 Te | 4.13 |
| 33 | LDO | 60 KL | 69.70 |
| 34 | Freon-22 | 305 Kg | 2.02 |
| 35 | R-404a | 270 Kg | 2.52 |
| 36 | 134a | 310 Kg | 1.76 |
| 37 | HDPE Drum | 300 No | 6.66 |
| 38 | Oil & Lubricant | 630 Ltr | 20.18 |

Procurement Plan for Heavy Water Board for FY 2025-26

| Sn No | Item Description | Quantity | Total Estimated cost (Rs. In Lakh) |
|---------------|---|-----------|------------------------------------|
| 39 | Oil & Lubricant for BEXD | 420 Ltr | 0.72 |
| 40 | Glycol | 500 Kg | 1.82 |
| 41 | AOD Pump/ Dosing pump | 4 No | 2.20 |
| 42 | Hose Pipe | 1 Lot | 0.69 |
| 43 | PTFE/ Tygon Tube | 1 Lot | 1.62 |
| 44 | Miscellaneous operational tools | 1 set | 5.50 |
| 45 | Potassium Fluoride | 20.25 MT | 183.70 |
| 46 | Calcium Carbide | 16 MT | 133.94 |
| 47 | Light Liquid Paraffin Oil | 10.5 KL | 13.47 |
| 48 | Slate Paraffin Wax | 2 MT | 2.34 |
| 49 | CRCA Drums | 500 Nos | 2.20 |
| 50 | Inert Gas | 700 m3 | 0.57 |
| 51 | Refractory Items | 1 Lot | 11.00 |
| 52 | Asbestos Gasket | 465 Nos | 0.95 |
| 53 | Ceramic Rope | 100 Kg | 0.55 |
| 54 | LDPE Bags | 100 Kg | 0.28 |
| 55 | Soft Rubber Cord | 700 m | 0.55 |
| 56 | Cotton Bags | 700 Nos | 2.64 |
| 57 | Cotton Markin Cloth | 200 m | 0.28 |
| 58 | Paint Brushes | 100 Nos | 0.11 |
| 59 | Lock Pins | 700 Nos | 0.83 |
| 60 | Tag for Drums | 700 Nos | 0.11 |
| 61 | Miscellaneous operational tools for Potassium plant | 1 Set | 11.00 |
| 62 | Sodium Chloride | 75 MT | 36.26 |
| 63 | Calcium Chloride | 15 MT | 4.29 |
| 64 | Barium Chloride | 15 MT | 11.78 |
| 65 | Sodium Hydroxide Solution | 50 MT | 25.96 |
| 66 | UHP Argon gas | 21000 m3 | 29.98 |
| 67 | Ceramic Fibre Blankets | 15 Nos | 0.28 |
| 68 | LDPE Bags | 100 Kg | 0.57 |
| 69 | Tag for Drums | 700 Nos | 0.11 |
| 70 | Miscellaneous operational tools for Sodium plant | 1 Set | 11.00 |
| 71 | Sud-Chemie catalyst | | 454.00 |
| 72 | Lubricating Oils | | 50.00 |
| Stores | | | |
| 1 | DUSTER CHECK LINE | 2000 | 0.23 |
| 2 | SOAP LIQUID | 500 Ltrs | 0.50 |
| 3 | SOCKS GENTS- 2 PAIRS EVERY YEAR | 900 Pairs | 0.74 |
| 4 | Boot Polish-1 tin (20gm) Once in 2 months or 40 gm once in 4th months | 1400 | 0.39 |
| 5 | Towel | 425 | 1.07 |
| 6 | Napkin | 1700 | 1.12 |
| 7 | Soap- Monthly | 5000 | 2.20 |
| 8 | Ball Point Pen - Once in a month for Admn. Accts & DPS Staff and once in 2 month for all others | 5000 | 1.10 |
| 9 | CELL TORCH (TORCH CELL) | 800 | 0.24 |
| 10 | COTTON RAGS | 2500 Kgs | 3.18 |
| 11 | WATER JUG | 125 | 0.15 |
| 12 | LOCK NAVTAL 5 LEVER | 50 | 0.11 |
| 13 | LOCK NAVTAL 6 LEVER | 50 | 0.17 |
| 14 | LOCK NAVTAL 7 LEVER | 20 | 1.08 |
| 15 | ROPE MANILA 1" DIA | 250 Kgs | 0.06 |
| 16 | ROPE MANILA 1/2" DIA | 250 Kgs | 0.31 |
| 17 | ROPE MANILA 3/4" DIA | 350 Kgs | 0.33 |
| 18 | TARPAULINE HDPE 10 X 10 MTR. | 10 | 0.58 |
| 19 | TARPAULINE HDPE 15 X 15 MTR. | 5 | 0.63 |

Procurement Plan for Heavy Water Board for FY 2025-26

| Sn No | Item Description | Quantity | Total Estimated cost (Rs. In Lakh) |
|---------------------------------|--|--------------|------------------------------------|
| 20 | TARPAULINE HDPE 4 X 4 MTR. | 10 | 0.10 |
| 21 | TUMBLER GLASS | 500 | 0.18 |
| 22 | BOOK FIELD | 1000 | 0.27 |
| 23 | BOOK PEON | 200 | 0.23 |
| 24 | FILE BOX TYPE | 350 | 0.35 |
| 25 | FILE MARBLE | 1500 | 0.33 |
| 26 | FILE MARBLE PLASTIC COATED | 1000 | 0.26 |
| 27 | FOLDER BROWN | 4000 | 0.61 |
| 28 | FOLDER YELLOW | 3000 | 0.10 |
| 29 | NOTE BOOK | 350 | 0.31 |
| 30 | NOTING SHEET | 500 | 0.25 |
| 31 | PAD CONFERENCE | 200 | 0.14 |
| 32 | REGISTER RULED 1 QR. | 200 | 0.10 |
| 33 | REGISTER RULED 2 QR. | 200 | 0.27 |
| 34 | REGISTER RULED 3 QR. | 200 | 0.35 |
| 35 | REGISTER RULED 4 QR. | 150 | 0.23 |
| 36 | Dustbin 15 Ltrs. Capacity | 30 | 0.10 |
| 37 | Dustbin 10 Ltrs. Capacity | 30 | 0.11 |
| 38 | Umbrella | 30 | 0.23 |
| 39 | Cotton Yarn Tag | 2000 Bundles | 0.22 |
| 40 | ANNUAL MAINTAINANCE CONTRACT FOR WEIGHING SCALES AND WEIGH BRIDGES | 1 | 1.84 |
| 41 | Procurment of Socks | 200 no. | 0.43 |
| 42 | Procurment of Shoe Polish | 200 no. | 0.40 |
| 43 | Procurement of Rainy Shoes | 200 no. | 1.82 |
| 44 | Procurement of Suit | 200 no. | 3.62 |
| 45 | Procurment of Towel | 200 no. | 0.57 |
| 46 | Procurment of Napkin | 200 no. | 0.85 |
| 47 | procurment of Woolen Jersey | 200 no. | 3.05 |
| 48 | Procurment of Soap | 200 no. | 1.42 |
| 49 | Procurment of Ball Point Pen | 200 no. | 0.50 |
| 50 | Misc. purchase | Lot | 1.00 |
| 51 | COMMON STOCK ITEMS PROCURED BY STORES LIKE, STATIONERY, GENERAL, CLEANING, GASES ETC. | | 7.15 |
| 52 | TRANSPORTATION OF TRI BUTYLE PHOSPHATE FROM HWBF-V TO OTHER DAE UNITS IN INDIA FOR PERIOD OF ONE YEAR (Locations:-NFC-Hyderabad, NFC-Kota, NFC-Pazhayakal, HWB-Mumbai) | | 44.00 |
| Safety & Environment | | | |
| 1 | Luxfer make BA cylinder 9.0 ltr (Nos.) | 50 | 25.00 |
| 2 | BA set spares for 2.0 ltr and 9.0 ltr (Nos.) | various | 12.00 |
| 3 | Canister face mask (Nos.) | 200 | 8.50 |
| 4 | Monitors and sensors- SO2, H2S, Noise level, O2 etc (Nos.) | various | 4.50 |
| 5 | Batteries for various monitors (Nos.) | various | 1.20 |
| 6 | Breathing Air detection tubes suitable for M/s MSA make high pressure breathing air analyzer" (Set) | 4 Sets | 1.00 |
| 7 | Procurement of calibration gasses (Nos.) | various | 0.50 |
| 8 | Eye shower and its spares (Nos.) | various | 1.00 |
| 9 | Industrial Personal Protective equipments (Nos.) | various | 12.00 |
| 10 | LSA spares (Nos.) | various | 8.00 |
| 11 | Printing of log sheets etc. (Nos.) | various | 2.00 |
| 12 | H2S canister cartridge (Nos.) | 850 | 10.00 |
| 13 | Hand gloves(Cotton, Nitril) | 400 | 2.20 |
| 14 | Face Shield (Mask, Goggle, Dust Mask) | 1Lot | 0.50 |
| 15 | Canister Mask | 100 | 4.00 |

Procurement Plan for Heavy Water Board for FY 2025-26

| Sn No | Item Description | Quantity | Total Estimated cost (Rs. In Lakh) |
|---------------------|--|--------------------|------------------------------------|
| 16 | Miscellaneous Safety PPE | 1 Lot | 2.20 |
| 17 | New Environmental Monitor | 2 | 1.50 |
| 18 | Procurement for Promotional Activities | 1Lot | 2.70 |
| 19 | Hand gloves(kevlar) | 300.00 | 3.85 |
| 20 | Hand gloves(Cotton,PVC) | 1Lot | 0.55 |
| 21 | Face Shield (Mask, Goggle, Dust Mask) | 1Lot | 0.55 |
| 22 | Miscellaneous Safety PPE | 1 Lot | 2.20 |
| 23 | Procurement for Promotional Activities | 1Lot | 1.43 |
| Fire | | | |
| 1 | Aluminized Fire Proximity Suit | 2 Pairs | 6.00 |
| 2 | Fire Extinguishers | 100 Nos. | 3.00 |
| 3 | AFFF Foam | 3000 ltr. | 1.00 |
| 4 | Short Branch | 50 Nos. | 4.00 |
| 5 | Miscellaneous Hose Fittings Like Adaptors, Breachings & Branches | 50 Nos. | 2.00 |
| 6 | Portable Fire Pump | 1 Nos. | 6.00 |
| 7 | Fire Entry Suit | 1 | 3.00 |
| 8 | High Expansion Foam Generator | 1 | 1.00 |
| 9 | Spare Parts of Extinguisher | 1Lot | 1.10 |
| 10 | Hose Box | 20 | 1.00 |
| 11 | Hose | 25 | 1.00 |
| 12 | Extinguisher Cartraige | 30 | 0.70 |
| 13 | Procurment for Fire Day | 50 | 0.30 |
| 14 | Fire Floating Portable Pump | 1 | 1.50 |
| 15 | Purchase of fire chemical Powder | 500 kg | 1.6 |
| 16 | Purchase of fire chemical (Foam) | 500 kg | 1.6 |
| 17 | Replacement of fire fighting equipments | Lot | 1 |
| 18 | Uniform Items of Fire section | Lot | 1.9 |
| 19 | Items for public outreach | Lot | 1.07 |
| Stationaries | | | |
| 1 | A-4 Size Zerox Paper | 600 Reams | 1.85 |
| 2 | Colour Plotter | 1 No. | 10.00 |
| 3 | Drawing office spares | As per Requirement | 0.44 |
| 4 | Stationary Items | As per Requirement | 0.22 |
| 5 | Miscellaneous | As per Requirement | 0.22 |
| PC&AL | | | |
| 1 | Spares for Lab instruments | As per Requirement | 48.00 |
| 2 | D/H Mass Spectrometer | 1 | 70.00 |
| 3 | Lab Oven & Furnase | 1 | 20.00 |
| 4 | Glass ware and Chemicals | As per Requirement | 7.00 |
| 5 | Chemicals for Laboratory | 1 Lot | 2.00 |
| 6 | PP wares for Laboratory | 1 Lot | 2.00 |
| 7 | Spares for Laboratory Instruments as and when required | 1 Lot | 3.00 |
| 8 | Weighing Balance | 1 no | 5.00 |
| 9 | Air Partuculate Matter Sampler | 3 no | 12.00 |
| 10 | Auto Titrator | 1 no | 15.00 |
| 11 | Liquid Helium for NMR | | 10.20 |
| 12 | Liquid Nitrogen for NMR | | 2.30 |
| 13 | UHP gases (N2; H2; N2O; He; etc) | | 2.20 |
| 14 | AAS spares | | 5.00 |
| 15 | Spares for other Laboratory Instruments as and when required | | 5.00 |
| 16 | Minor laboratory items (like pH meter; conductivity meter; Hot plate etc | | 3.00 |
| 17 | Chemicals | | 6.00 |
| 18 | Glasswares | | 3.50 |
| 19 | High pressure reactor | | 50.00 |
| 20 | New Mass spectrometer | | 100.00 |

Procurement Plan for Heavy Water Board for FY 2025-26

| Sn No | Item Description | Quantity | Total Estimated cost (Rs. In Lakh) |
|---------------------|---|--------------|------------------------------------|
| 21 | GC | | 15.00 |
| 22 | TIMS | | 250.00 |
| 23 | EIMS | | 100.00 |
| Security | | | |
| 1 | Uniform items for security staff | 1 Lot | 4.00 |
| 2 | Miscellaneous | 1 Lot | 0.60 |
| IT Equipment | | | |
| 1 | IT consumables | 2 lot | 2.00 |
| 2 | IT spare | 1 lot | 1.50 |
| 3 | Computer Hardwares & peripherals | 1 lot | 4.50 |
| 4 | Server and Rack | 1 No. | 4.50 |
| 5 | Networking hardwares including cables | 1 lot | 1.50 |
| 6 | Security surveillance equipment spares (Includes camera, PoE switch media converter, storage and display) | 1 lot | 2.00 |
| 7 | Software(OS and Application) | | 1.50 |
| 8 | Testing and Tools & tackle | Lumpsum | 0.30 |
| 9 | Maintenance of IT equipments | | 0.00 |
| 10 | Desktop Systems | 55 | 45.00 |
| 11 | Servers | 3 | 25.00 |
| 12 | Printers | 40 | 10.00 |
| 13 | Network Switches | 10 | 25.00 |
| 14 | Miscellaneous Items | Lumpsum | 5.00 |
| 15 | Maintenance of Email Services at HWB and Sites | Lumpsum | 6.50 |
| 16 | Assistance in Software Development & Maintenance | Lumpsum | 29.00 |
| 17 | Maintenance of Unified Storage Systems at HWB and Sites | 12 | 18.00 |
| 18 | Maintenance of IT Infrastructure | Lumpsum | 40.00 |
| 19 | IT consumables (Lan Cables, Connectors etc) | 1 lot | 1.00 |
| 20 | IT spares and Miscellaneous items (eg: keyboard, Mouse, Speakers, webcam etc) | 1 lot | 2.00 |
| 21 | Desktop Computer and Printers | 1 lot | 3.00 |
| 22 | Servers | 2 No | 7.00 |
| 23 | Networking hardwares, Switches, Server Rack including cables | 1 lot | 1.50 |
| 24 | Media converter, storage device (SSD, RAM and HDDs) | 1 lot | 1.50 |
| 25 | Software(OS and Antivirus Application License) | 1 lot | 1.00 |
| 26 | Testing and Tools & tackle | Lumpsum | 0.25 |
| 27 | UPS Batteries | 1 lot | 0.00 |
| | | Total | 11137.44 |

Procurement Plan for Heavy Water Board for FY 2026-27

| Sn No | Item Description | Quantity | Total Estimated cost (Rs. In Lakh) |
|-------------------------|---|--------------------|------------------------------------|
| Mechanical items | | | |
| 1 | Routine spares/equipment's for O&M of HWP Hazira | Lumpsum | 726 |
| 2 | Structural strengthening material | Lumpsum | 65 |
| 3 | Booster Motor replacement | 1 | 500 |
| 4 | Procurement of CS storage tank | As per Requirement | 20.00 |
| 5 | Procurement of SS storage tank | As per Requirement | 20.00 |
| 6 | Spares for pumps | As per Requirement | 10.00 |
| 7 | Mechanical seal for pumps | As per Requirement | 25.00 |
| 8 | Spares for air compressors | As per Requirement | 10.00 |
| 9 | O-rings | As per Requirement | 2.00 |
| 10 | Tyres & Tubes | As per Requirement | 2.00 |
| 11 | Welding Consumables | As per Requirement | 1.00 |
| 12 | Spares for Workshop M/c | As per Requirement | 2.00 |
| 13 | Insulation materials | As per Requirement | 20.00 |
| 14 | Valves including GATE, PLUG, NRV | As per Requirement | 10.00 |
| 15 | Piping & fitting spares | As per Requirement | 30.00 |
| 16 | Procurement of Lubricating and hydraulic oil | As per Requirement | 4.00 |
| 17 | Ultrasoinc testing machine and accessories | As per Requirement | 1.00 |
| 18 | Gasket | As per Requirement | 10.00 |
| 19 | Procurement of Mech.seals | 1 lot | 10.00 |
| 20 | Procurement of Brine chilling system | 1 lot | 50.00 |
| 21 | Procurement of SS pipes | 1 lot | 5.00 |
| 22 | Procurement of CS Pipes | 1 lot | 5.00 |
| 23 | Procurement of Oil Sealed Rotary Vacuum pump | 1 lot | 6.00 |
| 24 | Procurement of pupms | 1 lot | 6.00 |
| 25 | Procurement of of structure | 1 lot | 6.00 |
| 26 | Procurement of Studs with Nut | 1 lot | 2.00 |
| 27 | Procurement of Spare for brine chilling systems | 1 lot | 5.00 |
| 28 | Procurement of spares of Air compressor | 1 lot | 6.00 |
| 29 | Procurement of spares of Boiler | 1 lot | 2.00 |
| 30 | Procurement of Glasslined spares | 1 lot | 3.00 |
| 31 | Procurement of spares of VAC system | 1 lot | 5.00 |
| 32 | Procurement of pump spares | 1 lot | 3.00 |
| 33 | Procurement of W/shop Consumables | 1 lot | 5.00 |
| 34 | Procurement of paints | 1 lot | 35.00 |
| 35 | Procurement of Preventive/BD consumables | 1 lot | 45.00 |
| 36 | Procurement of Insulation material | 1 lot | 12.00 |
| 37 | Procurement of Autogarage works | 1 lot | 6.00 |
| 38 | Procurement of Gasket material | 1 lot | 4.00 |
| 39 | Procurement of spares of Diesel engine | 1 lot | 2.00 |
| 40 | Procurement of spares for crane | 1 lot | 3.00 |
| 41 | Procurement of spares of Forklift | 1 lot | 1.00 |
| 42 | Procurement of spares of Fire tender | 1 lot | 2.00 |
| 43 | Car | 2 | 25.00 |
| 44 | Procurement of machine spares forTBP plant and MEE unit | 1 lot | 32.00 |
| 45 | Procurement of machine spares for DMW plant and utilites. | 1 lot | 26.00 |
| 46 | Procurement of pipes, fittings and Valves | 1 lot | 20.00 |
| 47 | Procurement of Retort Bodies for K-metal Plant | 80 nos. | 38.00 |
| 48 | Procurement of Retort Heads for K-metal Plant | 60 nos. | 10.00 |

Procurement Plan for Heavy Water Board for FY 2026-27

| Sn No | Item Description | Quantity | Total Estimated cost (Rs. In Lakh) |
|-------------------|---|--------------------|------------------------------------|
| 49 | Procurment of spares of K-metal Plant | | 10.00 |
| 50 | Procurement of Miscellaneous workshop consumables like welding electrodes, grinding wheel, cutting oil, tools etc | 1 lot | 14.00 |
| 51 | Procurment of spares 24 KA sodium cell | 1 lot | 17.00 |
| 52 | Industrial Paint | | 25.00 |
| 53 | Procurement of various valve component spares | | 15.00 |
| 54 | Procurement of Syn. Gas compressor spares (20K4 , 20K5 19K3A/B) | | 10.00 |
| 55 | Procurement of IA / IGP compressor spares (30K11/12, 37K1,37RC1/2.) | | 10.00 |
| 56 | Procurement of 14P3 diaphragm | | 10.00 |
| 57 | Procurement of ID/FD fan spares | | 10.00 |
| 58 | Procurement of Cooling water pump spares | | 10.00 |
| 59 | Procurement of tower canned motor pumps for 12T1/T2 | | 100.00 |
| 60 | Procurement of Bearing of various compressors & Motors | | 10.00 |
| 61 | Procurement of spare pumps | | 50.00 |
| 62 | Procurement of HP/MP/LP valves | | 15.00 |
| 63 | Procurement of 15 Ton EOT crane | | 100.00 |
| Electrical | | | |
| 1 | LED lighting | As per Requirement | 6.00 |
| 2 | Split AC's and Cassette type AC's and spares | As per Requirement | 11.00 |
| 3 | Drinking water cooler | As per Requirement | 4.00 |
| 4 | Tools & Tackles | As per Requirement | 1.50 |
| 5 | Spares for DG sets | As per Requirement | 12.00 |
| 6 | HSD | As per Requirement | 20.00 |
| 7 | 415 Volts Switch gear Spares like Fuses, MCBs, ELCB, Contractor SFU, Over load relays, connector block, Junction Box, etc | As per Requirement | 7.00 |
| 8 | New VFDs | As per Requirement | 100.00 |
| 9 | VFD spares | As per Requirement | 3.00 |
| 10 | CT s for 6.6KV Switch gear | As per Requirement | 10.00 |
| 11 | Power & Control cables | As per Requirement | 5.00 |
| 12 | Bearings for Motors | As per Requirement | 2.00 |
| 13 | HT Motors | As per Requirement | 40.00 |
| 14 | Heating Oils, Lubricant, Varnish, paints, etc | As per Requirement | 3.00 |
| 15 | Transformer Spares | As per Requirement | 2.00 |
| 16 | Wire for house wiring | As per Requirement | 3.00 |
| 17 | 1MVA 33KV/415V Transformer for Colony | As per Requirement | 35.00 |
| 18 | 33KV VCB out door breaker | As per Requirement | 15.00 |
| 19 | Lighting consumable | 200nos. | 5.00 |
| 20 | Lighting maintenance | 2000 nos. | 4.84 |
| 21 | Battery | 400nos. | 2.00 |
| 22 | Battery maintenance | 540nos. | 10.00 |
| 23 | 20KVA UPS system | 1 set | 0.00 |
| 24 | Motor & drives | 10 nos. | 2.00 |
| 25 | Motor maintenance | 300nos. | 8.00 |
| 26 | Air conditioner | 12 nos. | 2.00 |
| 27 | Air conditioner maintenance | 98 nos. | 13.00 |
| 28 | Cables | 2000meter | 2.00 |
| 29 | Switchyard equipments | 2 set | 2.00 |

Procurement Plan for Heavy Water Board for FY 2026-27

| Sn No | Item Description | Quantity | Total Estimated cost (Rs. In Lakh) |
|-------|--|------------|------------------------------------|
| 30 | Transformer maintenance | 8nos. | 4.00 |
| 31 | Measuring instruments | 2lot | 1.50 |
| 32 | LV Switchgears | 2 set | 5.00 |
| 33 | LV Switchgear maintenance | 60nos. | 14.00 |
| 34 | DG SET Maintenance | 2 set | 1.80 |
| 35 | Cables, Cable Tray & Junction Boxes | LOT | 8.2 |
| 36 | 415V MCC Panel | 1 | 13.6 |
| 37 | Push Button Staions | 20 | 0.6 |
| 38 | Lighting System and fixtures | 4 | 3.6 |
| 39 | Supply & laying of 25mm Caing & Caping with all necessary hardware's as required | 250 | 0.2 |
| 40 | Supply & laying of 1R 1.5 sq.mm. PVC insulated FRLS copper wire | 1000 | 0.4 |
| 41 | Supply & laying of 1R 2.5 sq.mm. PVC insulated FRLS copper wire | 1000 | 0.5 |
| 42 | Supply & laying of 25mm HMS PVC Conduit with all necessary hardware's as required | 500 | 0.5 |
| 43 | Cables and FRP Cable trays | LOT | 7.2 |
| 44 | Welding sockets (3 phase, One phase) | 1 each | 0.2 |
| 45 | 6kVA online UPS along with 1hr battery backup, (SMF Batteries), MS battery rack and interlinks | 1 | 2.1 |
| 46 | SF6 Breakers for Switchyard | 3 nos. | 60.0 |
| 47 | Current Transformers for switchyard | 3 sets | 24.0 |
| 48 | Motorised Isolators for switchyards | 3 nos. | 15.0 |
| 49 | HT XLPE cables (3.3 kV) | 1000 mtr. | 30.0 |
| 50 | Switchyard consumables | 2 set | 2.0 |
| 51 | Air conditioner | 5 nos. | 2.0 |
| 52 | LT Armoured Cables | 1000 mtrs. | 10.0 |
| 53 | Lighting consumable | 200nos. | 5.0 |
| 54 | LED fittings | 100 nos. | 5.0 |
| 55 | Battery | 1 set | 1.0 |
| 56 | Motor spares | 20 nos. | 4.0 |
| 57 | Bearings for motors | 50 nos. | 2.0 |
| 58 | VFDs | 2 nos. | 1.5 |
| 59 | BLDC ceiling & wall mount fans | 50 nos. | 2.5 |
| 60 | Pedestal fans | 5 nos. | 0.6 |
| 61 | Exahust Fans | 5 nos. | 0.5 |
| 62 | Measuring instruments | 30 nos. | 1.5 |
| 63 | LV Switchgears & contactor etc. | 15 nos. | 1.5 |
| 64 | Flexible cables | 500 mtrs. | 2.5 |
| 65 | Heating Tapes | 40 nos. | 2.0 |
| 66 | Fuses | 100 nos. | 1.2 |
| 67 | Spares for DG sets | 1 set | 0.6 |
| 68 | Drinking Water Coolers | 2 nos. | 1.0 |
| 69 | Water Purifiers | 3 nos. | 0.5 |
| 70 | MCCBs & ELCBs | 100 nos. | 2.0 |
| 71 | Lighting JB etc. | 50 nos. | 2.0 |
| 72 | Transformer Oil & Paints etc. | 2 KL | 10.0 |
| 73 | Tools and Tackle | 50 nos. | 2.0 |
| 74 | Consumables (Grease, flash strips ,tapes etc.) | lumsum | 3.0 |
| 75 | Protective relays | 10 nos. | 2.5 |
| 76 | Battrey charger small | 2 nos. | 1.0 |
| 77 | HT Panel components/spares | | 6.0 |
| 78 | LT panel components/spares | | 6.0 |

Procurement Plan for Heavy Water Board for FY 2026-27

| Sn No | Item Description | Quantity | Total Estimated cost (Rs. In Lakh) |
|----------------|---|----------|------------------------------------|
| 79 | Spares for LT motors | | 6.0 |
| 80 | LED Light & fitting materials | | 6.0 |
| 81 | DG set replacement | | 150.0 |
| 82 | Procurement of small rating LT motors | | 6.0 |
| 83 | Spares for control room, UPS room A/C Units & ventilation system | | 6.0 |
| 84 | 100KV isolators | | 25.0 |
| I&C | | | |
| 1 | Procurement of Servers for HWPk | Various | 10.00 |
| 2 | Procurement of LGs, PGs and TGs & spares | Various | 5.00 |
| 3 | Procurement & Upgrade of Computers at HWPk | Various | 25.00 |
| 4 | ROIV valves & spares | Various | 25.00 |
| 5 | Control valve & spares | Various | 25.00 |
| 6 | Transmitters & spares | Various | 15.00 |
| 7 | Booster & panel spares | Various | 5.00 |
| 8 | H2S monitoring spares | Various | 30.00 |
| 9 | AMC for various equipments | Various | 10.00 |
| 10 | CCTV Spares | Various | 10.00 |
| 11 | Instrumentation spares | Various | 15.00 |
| 12 | Printer Cartridges | Various | 15.00 |
| 13 | Printers | Various | 5.00 |
| 14 | VC Spares | Various | 1.00 |
| 15 | IT Contract | Various | 25.00 |
| 16 | HART communicator & Pressure Calibrator | Various | 5.00 |
| 17 | Multi-meters & IR Tester | Various | 2.00 |
| 18 | Electrical contact cleaner and rust remover | Various | 2.00 |
| 19 | Consumable items (Teflon tape, insulation tape and aluminum tape) | Various | 1.00 |
| 20 | Terminal blocks and wiring items (cable glands, lugs, cable ties and crimping tools) | Various | 1.00 |
| 21 | AFR and air filter elements | Various | 2.00 |
| 22 | Analytical instruments & spares | Various | 5.00 |
| 23 | Instrumentation cables | Various | 10.00 |
| 24 | Pressure switch, Level Switch, Temperature Switch | Various | 5.00 |
| 25 | Telecommunication equipments | Various | 10.00 |
| 26 | EPABX spares | Various | 15.00 |
| 27 | Physical Protection System spares | Various | 2.00 |
| 28 | LAN equipments & spares | Various | 5.00 |
| 29 | Spare valve actuators of Saunders valves | Various | 10.00 |
| 30 | Cable(FO cable,Power cable & Signal cable) | 1 Lot | 3.30 |
| 31 | Power supply module/SMPS | 10 | 0.55 |
| 32 | Controller / indicator of control system | Lot | 5.50 |
| 33 | Field Measuring instruments | Lumpsum | 8.80 |
| 34 | Annual maintenance of instruments and CCTV | | 29.70 |
| 35 | Spare for test equipments & tools tackle | Lot | 2.75 |
| 36 | Pneumatic instrument(Control valve & Actuator) | Lot | 3.30 |
| 37 | PA system equipments | Lot | 1.65 |
| 38 | Physical protection system | lot | 3.30 |
| 39 | Pressure gauges | 29 | 3.2 |
| 40 | Level Transmitter | 15 | 21.5 |
| 41 | Flow Transmitter | 10 | 19.5 |
| 42 | PLC with HMI | 1 | 37.5 |
| 43 | Cables, Cable Tray & Junction Boxes | LOT | 8.2 |

Procurement Plan for Heavy Water Board for FY 2026-27

| Sn No | Item Description | Quantity | Total Estimated cost (Rs. In Lakh) |
|------------------|--|--------------------|------------------------------------|
| 44 | Cable(FO cable,Power cable & Signal cable) and Cable Trays | 1 Lot | 8.0 |
| 45 | Power supply module/SMPS | 1 Lot | 0.6 |
| 46 | Controller / indicator / Paperless Recorder of control system | 1 Lot | 5.0 |
| 47 | Field Measuring instruments (LG/LT/PT/TC/PG), Gas Detectors and its spares | Lumpsum | 13.0 |
| 48 | CCTV Spares (Bullet Camera, PTZ camera, POE Switch etc) and TV Screens | Lumpsum | 3.5 |
| 49 | Spare for test equipments & tools tackle | 1 Lot | 3.0 |
| 50 | Pneumatic instrument(Control valve & Actuator) and SOVs and spares | 1 Lot | 4.0 |
| 51 | FAS and PA system equipments and spares | 1 Lot | 2.0 |
| 52 | Access Control System Spares | 1 Lot | 2.0 |
| 53 | Miscellaneous Instrumentation Purchase | 1 Lot | 3.0 |
| 54 | CONTROL VALVES POSITIONERS & SPARES(ALL VALVES) | | 5.72 |
| 55 | MISC. INSTRUMENTS / SPARES FOR MAIN PLANTS | | 11.45 |
| 56 | New Control valves | | 10.00 |
| 57 | Procurement of MANGHH ant surger controler | | 500.00 |
| Chemicals | | | |
| 1 | Hydrochloric Acid | 2475 MT | 26.48 |
| 2 | Caustic Soda, Lye | 720 MT | 310.70 |
| 3 | Caustic Soda, Flakes | 100 MT | 48.28 |
| 4 | Sulphuric Acid | 100 MT | 11.75 |
| 5 | Sodium Hydrogen Sulphide (NaHS) Solution* | 96 MT | 81.12 |
| 6 | Sodium Sulphide, Flakes* | 85 MT | 92.94 |
| 7 | Turbinol 46 | 6300 Ltrs | 12.26 |
| 8 | Hydrated Lime | 100 MT | 9.02 |
| 9 | Liq. Petroleum Gas | 120 MT | 96.17 |
| 10 | Poly-Aluminium Chloride | 12 MT | 2.30 |
| 11 | Monoethanolamine (MEA) | 1260 Kgs | 2.12 |
| 12 | Bleaching Powder | 15 MT | 3.43 |
| 13 | Liquid Chlorine | 21.6 MT | 3.47 |
| 14 | Resin-SBA Type II (for AX) Gel | 33660 Ltrs | 85.06 |
| 15 | Resin-SAC (for MBX) Gel | 3240 Ltrs | 3.63 |
| 16 | Resin-SBA Type I (for MBX) Gel | 7380 Ltrs | 14.98 |
| 17 | Spares for Lab instruments | As per Requirement | 60.00 |
| 18 | Ion Chromatograph | 1 | 55.00 |
| 19 | UV-Visible Spectrophotometer | 1 | 15.00 |
| 20 | Glass ware and Chemicals | As per Requirement | 12.00 |
| 21 | POCl 3 | 42 Te | 61.39 |
| 22 | N- Butanol | 80 Te | 110.64 |
| 23 | Na2CO3 (Soda Ash) | 54 Te | 24.11 |
| 24 | BF3 Complex | 11000 Kg | 84.70 |
| 25 | Potassium Fluoride (KF) | 1000 Kg | 4.05 |
| 26 | Acetone | 2000 Ltr | 2.80 |
| 27 | Calcium Carbonate | 4000 Kg | 2.03 |
| 28 | HF | 75 Kg | 2.92 |
| 29 | Oleum | 450 Kg | 42.41 |
| 30 | H2SO4 | 300 Ltr | 1.40 |
| 31 | Ferric Chloride | 8000 Kg | 8.42 |

Procurement Plan for Heavy Water Board for FY 2026-27

| Sn No | Item Description | Quantity | Total Estimated cost (Rs. In Lakh) |
|--------------|--|----------|------------------------------------|
| 32 | Precoat Powder | 6000 Kg | 5.99 |
| 33 | Sodium Hydroxide | 10 Te | 9.32 |
| 34 | HCl | 24 Te | 2.90 |
| 35 | ETP Sludge | 20 Te | 4.54 |
| 36 | LDO | 60 KL | 76.67 |
| 37 | Freon-22 | 305 Kg | 2.22 |
| 38 | R-404a | 270 Kg | 2.78 |
| 39 | 134a | 310 Kg | 1.93 |
| 40 | HDPE Drum | 300 No | 7.32 |
| 41 | Oil & Lubricant | 630 Ltr | 22.20 |
| 42 | Oil & Lubricant for BEXD | 420 Ltr | 0.80 |
| 43 | Glycol | 500 Kg | 2.00 |
| 44 | AOD Pump/ Dosing pump | 4 No | 2.42 |
| 45 | Hose Pipe | 1 Lot | 0.76 |
| 46 | PTFE/ Tygon Tube | 1 Lot | 1.78 |
| 47 | Miscellaneous operational tools | 1 Set | 6.05 |
| 48 | Potassium Fluoride | 20.25 MT | 202.07 |
| 49 | Calcium Carbide | 16 MT | 147.33 |
| 50 | Light Liquid Paraffin Oil | 10.5 KL | 14.81 |
| 51 | Slate Paraffin Wax | 2 MT | 2.57 |
| 52 | CRCA Drums | 500 Nos | 1.21 |
| 53 | Inert Gas | 700 m3 | 0.63 |
| 54 | Refractory Items | 1 Lot | 12.10 |
| 55 | Asbestos Gasket | 465 Nos | 1.04 |
| 56 | Ceramic Rope | 100 Kg | 0.61 |
| 57 | LDPE Bags | 100 Kg | 0.30 |
| 58 | Soft Rubber Cord | 700 m | 0.61 |
| 59 | Cotton Bags | 700 Nos | 2.90 |
| 60 | Cotton Markin Cloth | 200 m | 0.30 |
| 61 | Paint Brushes | 100 Nos | 0.12 |
| 62 | Lock Pins | 700 Nos | 0.91 |
| 63 | Tag for Drums | 700 Nos | 0.12 |
| 64 | Miscellaneous operational tools for Potassium plant | 1 Set | 12.10 |
| 65 | Sodium Chloride | 75 MT | 39.89 |
| 66 | Calcium Chloride | 15 MT | 4.72 |
| 67 | Barium Chloride | 15 MT | 12.96 |
| 68 | Sodium Hydroxide Solution | 50 MT | 28.56 |
| 69 | UHP Argon gas | 21000 m3 | 32.98 |
| 70 | Ceramic Fibre Blankets | 15 Nos | 0.30 |
| 71 | LDPE Bags | 100 Kg | 0.63 |
| 72 | Tag for Drums | 700 Nos | 0.12 |
| 73 | Miscellaneous operational tools for Sodium plant | 1 Set | 12.10 |
| 74 | Lubricating Oils | | 54.00 |
| 75 | Hexane | | 6.00 |
| 76 | Converter Basket | | 2500.00 |
| Civil | | | |
| 1 | Chairs | 40 Nos | 3.00 |
| 2 | Synthetic resin adhesive for wood and joinry work like Fevicol | 30 Liter | 0.30 |
| 3 | Glass Putti adhesive | 5 Kg | 0.10 |

Procurement Plan for Heavy Water Board for FY 2026-27

| Sn No | Item Description | Quantity | Total Estimated cost (Rs. In Lakh) |
|------------------|--|--------------------|------------------------------------|
| 4 | Shade Nets for agriculture and horticulture purpose | 250 sqm | 0.30 |
| 5 | 6 mm, 9mm, 12mm, 19mm thick ply wood | 1800 Sqf | 1.15 |
| 6 | 20 mm, 35 mm and 50 mm wooden screw | 30 kg | 0.45 |
| 7 | Door closer | 24 No. | 0.30 |
| 8 | Door stopper | 100 No. | 0.10 |
| 9 | Hasps and staples 75 & 100mm | 100 No. | 0.10 |
| 10 | Silicone sealant | 60 No. | 0.30 |
| 11 | Aluminium alloy door handles | 200 Piece | 0.15 |
| 12 | Pinewood staging planks | 10 Pieces | 0.30 |
| 13 | Malathion, chlorpyrifos | 20 Ltr | 0.50 |
| 14 | Acrylic Sheet 8'x4' | 5 Nos | 0.50 |
| 15 | Ordinary Portland Cement grade 43, conforming to IS: 269-2015 in 50 Kg HDPE Bags. | 225 kg | 1.15 |
| 16 | Bricks | 5000 No. | 0.60 |
| 17 | Coarse aggregate of nominal size of 20 mm & 10 mm | 40 m3 | 0.80 |
| 18 | Tarpaulins(25x50 sqft) | 20 Pieces | 1.00 |
| 19 | Free flow, high strength, non-shrink, cementitious precision grout, ready mix dry powder | 350 kg | 0.30 |
| 20 | Synthetic enamel paint of colour Black, Green, Oxford Blue, White, Signal Red, Smoke grey | 180 Ltr | 1.00 |
| 21 | Aluminium metallic paint | 40 Ltr | 0.25 |
| 22 | Turpentine oil | 50 Liter | 0.20 |
| 23 | Emery papers | 400 Piece | 0.10 |
| 24 | Liquid Varnishes | 50 liter | 0.15 |
| 25 | Epoxy compound for sealing joints in plumbing like M Seal | 50 Kg | 0.34 |
| 26 | 15 mm Bib, Pillar Taps | 100 No. | 1.12 |
| 27 | 15 & 20 mm gate valve | 80 No. | 0.67 |
| 28 | 15 mm stop cock | 50 No. | 0.28 |
| 29 | PVC Connection tube 450mm | 200 No. | 0.11 |
| 30 | Bathroom hand shower | 100 No. | 0.28 |
| 31 | 15mm float valve | 50 No. | 0.23 |
| 32 | HDPE flushing cistern of capacity 10 Litres | 20 No. | 0.17 |
| 33 | Medium class galvanized steel pipe of 15 mm, 20 mm & 25 mm | 270 meter | 0.84 |
| 34 | Liquid soap dispenser | 50 No. | 0.26 |
| 35 | Toilet mirror | 12 No. | 0.20 |
| 36 | GI fittings like elbow, socket, nipples, reducers, Tee, Union etc. of 15mm, 20mm, 25mm, 32mm, 40mm, 50mm, 75mm & 100mm sizes | 1000 No. | 0.56 |
| 37 | PVC pipes | 30 Piece | 0.25 |
| 38 | PVC fittings like Bend, sockets, Tee | 50 Piece | 0.22 |
| 39 | Welding Electrodes E-6013, 3.15 mm dia and 350 mm length | 2500 No. | 0.26 |
| 40 | Weld mesh fabric | 3 Roll | 0.28 |
| 41 | Chainlink fencing | 200 kg | 0.28 |
| 42 | Plumbing related items | Lot | 1.15 |
| PC&AL | | | |
| 1 | Spares for Lab instruments | As per Requirement | 60.00 |

Procurement Plan for Heavy Water Board for FY 2026-27

| Sn No | Item Description | Quantity | Total Estimated cost (Rs. In Lakh) |
|---------------------|--|--------------------|------------------------------------|
| 2 | Ion Chromatograph | 1 | 55.00 |
| 3 | UV-Visible Spectrophotometer | 1 | 15.00 |
| 4 | Glass ware and Chemicals | As per Requirement | 10.00 |
| 5 | Chemicals for Laboratory | 1 Lot | 2.00 |
| 6 | PP wares for Laboratory | 1 Lot | 2.00 |
| 7 | Spares for Laboratory Instruments as and when required | 1 Lot | 3.00 |
| 8 | Spectrophotometer | 1 no | 12.00 |
| 9 | Flame Photometer | 1 no | 5.00 |
| 10 | Rotary Vacuum Pump | 1 no | 7.00 |
| 11 | Liquid Helium for NMR | | 11.50 |
| 12 | Liquid Nitrogen for NMR | | 2.60 |
| 13 | UHP gases (N2; H2; N2O; He; etc) | | 2.50 |
| 14 | GC-MS spares | | 3.00 |
| 15 | NMR spares | | 10.00 |
| 16 | FTIR spares | | 5.00 |
| 17 | Spares for other Laboratory Instruments as and when required | | 5.50 |
| 18 | Minor laboratory items (like pH meter; conductivity meter; Hot plate etc | | 3.50 |
| 19 | Chemicals | | 6.50 |
| 20 | Glasswares | | 3.60 |
| 21 | IRMS | | 300.00 |
| Stationaries | | | |
| 1 | A-4 Size Zerox Paper | 600 Reams | 1.68 |
| 2 | Drawing office spares | As per Requirement | 0.40 |
| 3 | Stationary Items | As per Requirement | 0.20 |
| 4 | Miscellaneous | As per Requirement | 0.50 |
| Fire | | | |
| 1 | Non-Percolating Flexible Fire Fighting Delivery Hose | 100 Nos. | 5.00 |
| 2 | Portable Fire Monitor of Variable Flow Rate DischargeCapacity 750 GPM | 5 Nos. | 3.00 |
| 3 | Fire Extinguishers | 100 Nos. | 3.00 |
| 4 | AFFF Foam | 3000 ltr. | 1.00 |
| 5 | Aerosol SOLO A 10 & Dispensor | 20 Nos. | 0.50 |
| 6 | Miscellaneous Hose Fittings Like Adoptors, Breachings & Branches | 50 Nos. | 2.00 |
| 7 | Purchase of fire chemical Powder | 500 kg | 1.72 |
| 8 | Purchase of fire chemical (Foam) | 500 kg | 1.72 |
| 9 | Replacement of fire fighting equipments | Lot | 2 |
| 10 | Uniform Items of Fire section | Lot | 2 |
| 11 | Items for public outreach | Lot | 1.15 |
| Stores | | | |
| 1 | DUSTER CHECK LINE | 2000 | 0.25 |
| 2 | SOAP LIQUID | 500 Ltrs | 0.54 |
| 3 | Protective Clothing(SHIRTING) for Gents-(4 PAIR ONCE IN 2 YEARS) | 3049 Mtrs. | 8.38 |
| 4 | Protective Clothing(SHUITING) for Gents-(4 PAIR ONCE IN 2 YEARS) | 1622.8 Mtrs. | 6.25 |
| 5 | Ladies Protective Clothing-SAREE (4 PAIR ONCE IN 2 YEARS) | 13 Sets | 0.16 |
| 6 | Ladies Protective Clothing-SALWAR KAMEEZ-(4 PAIR ONCE IN 2 YEARS) | 75 Sets | 0.93 |
| 7 | Safety Shoes for Technical Employees (ONCE IN TWO YEARS) | 244 Pairs | 5.26 |

Procurement Plan for Heavy Water Board for FY 2026-27

| Sn No | Item Description | Quantity | Total Estimated cost (Rs. In Lakh) |
|-------|---|--------------|------------------------------------|
| 8 | Leather Chapal/Sandal (ONCE IN TWO YEARS) | 22 Pairs | 0.18 |
| 9 | SOCKS GENTS- 2 PAIRS EVERY YEAR | 900 Pairs | 0.82 |
| 10 | Boot Polish-1 tin (20gm) Once in 2 months or 40 gm once in 4th months | 1400 | 0.42 |
| 11 | Towel | 425 | 1.18 |
| 12 | Napkin | 1700 | 1.23 |
| 13 | Soap- Monthly | 5000 | 2.42 |
| 14 | Ball Point Pen - Once in a month for Admn. Accts & DPS Staff and once in 2 month for all others | 5000 | 1.21 |
| 15 | Leather Shoes - (ONCE IN TWO YEARS) | 43 Pairs | 0.67 |
| 16 | CELL TORCH (TORCH CELL) | 800 | 0.26 |
| 17 | COTTON RAGS | 2500 Kgs | 3.50 |
| 18 | WATER JUG | 125 | 0.17 |
| 19 | LEAD SEAL | 20 Kgs | 0.10 |
| 20 | LOCK NAVTAL 5 LEVER | 50 | 0.12 |
| 21 | LOCK NAVTAL 6 LEVER | 50 | 0.18 |
| 22 | LOCK NAVTAL 7 LEVER | 20 | 1.19 |
| 23 | ROPE MANILA 1/2" DIA | 250 Kgs | 0.34 |
| 24 | ROPE MANILA 3/4" DIA | 350 Kgs | 0.36 |
| 25 | TARPAULINE HDPE 10 X 10 MTR. | 10 | 0.64 |
| 26 | TARPAULINE HDPE 15 X 15 MTR. | 5 | 0.69 |
| 27 | TARPAULINE HDPE 4 X 4 MTR. | 10 | 0.11 |
| 28 | TUMBLER GLASS | 500 | 0.19 |
| 29 | BOOK FIELD | 1000 | 0.29 |
| 30 | BOOK PEON | 200 | 0.25 |
| 31 | FILE BOX TYPE | 350 | 0.39 |
| 32 | FILE MARBLE | 1500 | 0.36 |
| 33 | FILE MARBLE PLASTIC COATED | 1000 | 0.29 |
| 34 | FOLDER BROWN | 4000 | 0.67 |
| 35 | FOLDER WITH FLAP | 750 | 0.10 |
| 36 | FOLDER YELLOW | 3000 | 0.11 |
| 37 | NOTE BOOK | 350 | 0.35 |
| 38 | NOTING SHEET | 500 | 0.28 |
| 39 | PAD CONFERENCE | 200 | 0.16 |
| 40 | PUNCH DOUBLE HOLE | 150 | 0.14 |
| 41 | REGISTER RULED 1 QR. | 200 | 0.11 |
| 42 | REGISTER RULED 2 QR. | 200 | 0.30 |
| 43 | REGISTER RULED 3 QR. | 200 | 0.39 |
| 44 | REGISTER RULED 4 QR. | 150 | 0.25 |
| 45 | Dustbin 15 Ltrs. Capacity | 30 | 0.11 |
| 46 | Dustbin 10 Ltrs. Capacity | 30 | 0.12 |
| 47 | Umbrella | 30 | 0.26 |
| 48 | Cotton Yarn Tag | 2000 Bundles | 0.24 |
| 49 | ANNUAL MAINTAINANCE CONTRACT FOR WEIGHING SCALES AND WEIGH BRIDGES | 1 | 2.02 |
| 50 | Procurment of Socks | 200 no. | 0.43 |
| 51 | Procurment of Shoe Polish | 200 no. | 0.4 |
| 52 | Procurment of Towel | 200 no. | 0.57 |
| 53 | Procurment of Napkin | 200 no. | 0.85 |
| 54 | Procurment of Soap | 200 no. | 1.42 |
| 55 | Procurment of Ball Point Pen | 200 no. | 0.5 |
| 56 | Misc. purchase | Lot | 1.50 |

Procurement Plan for Heavy Water Board for FY 2026-27

| Sn No | Item Description | Quantity | Total Estimated cost (Rs. In Lakh) |
|---------------------------------|---|----------|------------------------------------|
| 57 | COMMON STOCK ITEMS PROCURED BY STORES LIKE, STATIONERY, GENERAL, CLEANING, GASES ETC. | | 7.87 |
| 58 | TRANSPORTATION OF TRI BUTYLE PHOSPHATE FROM HWBF-V TO OTHER DAE UNITS IN INDIA FOR PERIOD OF ONE YEAR (Locations:-NFC-Hyderabad, NFC-Kota, NFC-Pazhayakal, HWB-Mumbai) | | 48.4 |
| Safety & Environment | | | |
| 1 | Luxfer make BA cylinder 2.0 ltr (Nos.) | 50 | 20.00 |
| 2 | BA set spares for 2.0 ltr and 9.0 ltr (Nos.) | various | 13.00 |
| 3 | Canister face mask (Nos.) | 200 | 9.00 |
| 4 | Monitors and sensors- SO2, H2S, Noise level, O2 etc (Nos.) | various | 5.00 |
| 5 | Batteries for various monitors (Nos.) | various | 1.50 |
| 6 | Reel Photo-chromatography Paper (Nos.) | 100 | 3.00 |
| 7 | Breathing Air detection tubes suitable for M/s MSA make high pressure breathing air analyzer" (Nos.) | 4 Sets | 1.50 |
| 8 | Procurement of calibration gasses (Set) | various | 0.60 |
| 9 | Industrial Personal Protective equipments (Nos.) | various | 13.00 |
| 10 | LSA spares (Nos.) | various | 5.00 |
| 11 | Printing of log sheets etc. (Nos.) | various | 2.00 |
| 12 | Hand gloves(kevlar) | 300 | 4.20 |
| 13 | Hand gloves(Cotton,PVC) | 1Lot | 0.60 |
| 14 | Safety Shoes | 0 | 2.40 |
| 15 | Face Shield (Mask, Goggle, Dust Mask) | 1Lot | 0.60 |
| 16 | Miscellaneous Safety PPE | 1 Lot | 2.40 |
| 17 | Procurement for Promotional Activities | 1Lot | 1.60 |
| 18 | Procurement of Safety Memento | 215 | 2.30 |
| Security | | | |
| 1 | Stationary Items | 1 Lot | 1.25 |
| 2 | Security Gadgets | 1 Lot | 6.50 |
| 3 | Miscellaneous | 1 Lot | 0.70 |
| IT Equipment | | | |
| 1 | IT consumables | 2 lot | 2.20 |
| 2 | IT spare | 1 lot | 1.65 |
| 3 | Computer Hardwares & peripherals | 1 lot | 4.95 |
| 4 | Server and Rack | 1 No. | 4.95 |
| 5 | Networking hardwares including cables | 1 lot | 1.65 |
| 6 | Security surveillance equipment spares (Includes camera,PoE switch media converter,storage and display) | 1 lot | 2.20 |
| 7 | Software(OS and Application) | | 1.65 |
| 8 | Testing and Tools & takel | Lumpsum | 0.30 |
| 9 | Maintenance of IT equipments | | 13.31 |
| 10 | Augmentation of Network at HWB and Sites | Lumpsum | 770.00 |
| 11 | Remote Browser Virtualization setup at HWB and Sites | Lumpsum | 770.00 |
| 12 | Thin Clients for HWB and Sites | 625 | 110.00 |
| 13 | Servers | 4 | 50.00 |
| 14 | Desktop Systems | 35 | 32.00 |
| 15 | Printers | 35 | 8.75 |
| 16 | Miscellaneous Items | Lumpsum | 5.00 |
| 17 | Maintenance of Email Services at HWB and Sites | Lumpsum | 6.50 |

Procurement Plan for Heavy Water Board for FY 2026-27

| Sn No | Item Description | Quantity | Total Estimated cost (Rs. In Lakh) |
|-------|---|--------------|------------------------------------|
| 18 | Assistance in Software Development & Maintenance | Lumpsum | 29.00 |
| 19 | Maintenance of Unified Storage Systems at HWB and Sites | 12 | 18.00 |
| 20 | Maintenance of IT Infrastructure | Lumpsum | 40.00 |
| 21 | IT consumables (Lan Cables, Connectors etc) | 1 lot | 1.50 |
| 22 | IT spares and Miscellaneous items (eg: keyboard, Mouse, Speakers, webcam etc) | 1 lot | 2.50 |
| 23 | Desktop Computer and Printers | 1 lot | 3.00 |
| 24 | Servers | 1 No. | 5.00 |
| 25 | Networking hardwares, Switches, Server Rack including cables | 1 lot | 1.50 |
| 26 | Media converter,storage device (SSD, RAM and HDDs) | 1 lot | 1.75 |
| 27 | Software(OS and Antivirus Application License) | 1 lot | 1.00 |
| 28 | Testing and Tools & tackels | Lumpsum | 0.50 |
| | | Total | 11258.34 |

Procurement Plan for Heavy Water Board for FY 2027-28

| Sn No | Item Description | Quantity | Total Estimated cost (Rs. In Lakh) |
|-------------------------|---|----------|------------------------------------|
| Mechanical items | | | |
| 1 | Routine spares/equipment's for O&M of HWP Hazira | Lumpsum | 800 |
| 2 | Spares for pumps | Lumpsum | 10.00 |
| 3 | Mechanical seal for pumps | Lumpsum | 20.00 |
| 4 | Spares for air compressors | Lumpsum | 10.00 |
| 5 | H2S compressor valve assemblies & spares | Lumpsum | 5.00 |
| 6 | Tyres & Tubes | Lumpsum | 2.00 |
| 7 | Welding Consumables | Lumpsum | 1.00 |
| 8 | Spares for Workshop M/c | Lumpsum | 2.00 |
| 9 | Insulation materials | Lumpsum | 20.00 |
| 10 | Valves including GATE, PLUG, NRV | Lumpsum | 10.00 |
| 11 | Piping & fitting spares | Lumpsum | 30.00 |
| 12 | Procurement of Lubricating and hydraulic oil | Lumpsum | 4.00 |
| 13 | Ultrasoinc testing machine and accessories | Lumpsum | 1.00 |
| 14 | PTFE Rods | Lumpsum | 2.00 |
| 15 | Copper, Gun Metal, SS and CS rod of various sizes | Lumpsum | 2.00 |
| 16 | Gasket | Lumpsum | 10.00 |
| 17 | Procurement of photocopier m/c | 1 lot | 4.00 |
| 18 | Procurement of G/L reactor | 1 lot | 40.00 |
| 19 | Procurement of CS vessels | 1 lot | 10.00 |
| 20 | Procurement of Crane | 1 lot | 30.00 |
| 21 | Procurement of SS pipes | 1 lot | 5.00 |
| 22 | Procurement of CS Pipes | 1 lot | 5.00 |
| 23 | Procurement of Oil Sealed Rotary Vacuum pump | 1 lot | 6.00 |
| 24 | Procurement of pupms | 1 lot | 6.00 |
| 25 | Procurement of of structure | 1 lot | 6.00 |
| 26 | Procurement of Studs with Nut | 1 lot | 2.00 |
| 27 | Procurement of Spare for brine chilling systems | 1 lot | 5.00 |
| 28 | Procurement of spares of Air compressor | 1 lot | 6.00 |
| 29 | Procurement of spares of Boiler | 1 lot | 2.00 |
| 30 | Procurement of Glasslined spares | 1 lot | 3.00 |
| 31 | Procurement of spares of VAC system | 1 lot | 5.00 |
| 32 | Procurement of pump spares | 1 lot | 3.00 |
| 33 | Procurement of W/shop Consumables | 1 lot | 5.00 |
| 34 | Procurement of paints | 1 lot | 35.00 |
| 35 | Procurement of Preventive/BD consumables | 1 lot | 50.00 |
| 36 | Procurement of Autogarage works | 1 lot | 6.00 |
| 37 | Procurement of Gasket material | 1 lot | 10.00 |
| 38 | Procurement of spares of Diesel engine | 1 lot | 2.00 |
| 39 | Procurement of spares for crane | 1 lot | 3.00 |
| 40 | Procurement of spares of Forklift | 1 lot | 1.00 |
| 41 | Procurement of spares of Fire tender | 1 lot | 2.00 |
| 42 | Centrifugal Pumps | 8 | 14.77 |
| 43 | Peristaltic | 12 | 13.22 |
| 44 | Diaphragm Pumps | 4 | 4.15 |
| 45 | Metallic Pipes and pipe fittings | LOT | 6.21 |
| 46 | Non metallic Pipes and pipe fittings & valves | LOT | 21.64 |
| 47 | Procurement of machine spares for TBP plant and MEE unit | 1 lot | 32.00 |
| 48 | Procurement of machine spares for DMW plant and utilites. | 1 lot | 26.00 |
| 49 | Procurement of pipes, fittings and Valves | 1 lot | 20.00 |
| 50 | Procurement of Retort Bodies for K-metal Plant | 80 nos. | 38.00 |
| 51 | Procurement of Retort Heads for K-metal Plant | 60 nos. | 10.00 |
| 52 | Procurement of spares of K-metal Plant | | 10.00 |
| 53 | Procurement of Miscellaneous workshop consumables like welding electrodes, grinding wheel, cutting oil, tools etc | 1 lot | 14.00 |
| 54 | Procurement of spares 24 KA sodium cell | 1 lot | 17.00 |
| 55 | Procurement of LTCS / A105 pipe of various sizes | | 66.55 |
| 56 | Procurement of LTCS / A 105 pipe fittings of various sizes | | 67.76 |
| 57 | Procurement of various valve component spares | | 15.00 |
| 58 | Procurement of Syn. Gas compressor spares (20K4 , 20K5 19K3A/B) | | 10.00 |

Procurement Plan for Heavy Water Board for FY 2027-28

| Sn No | Item Description | Quantity | Total Estimated cost (Rs. In Lakh) |
|-------------------|---|------------|------------------------------------|
| 59 | Procurement of IA / IGP compressor spares (30K11/12, 37K1,37RC1/2.) | | 10.00 |
| 60 | Spring hangers & tie rods | | 9.68 |
| 61 | Procurement of Structural Material | | 25.00 |
| 62 | Procurement of 14P3 diaphragm | | 10.00 |
| 63 | Procurement of hand railing pipes | | 10.00 |
| 64 | Procurement of dryer valves component spares | | 10.00 |
| 65 | Procurement of ceramic bearings for tower pump | | 20.00 |
| 66 | Procurement of EPDM O rings for tower | | 15.00 |
| 67 | Procurement of Bearing of various compressors & Motors | | 10.00 |
| 68 | Procurement of new Burners | | 50.00 |
| 69 | E4120 retubing | | 50.00 |
| 70 | Procurement of HP/MP/LP valves | | 15.00 |
| Electrical | | | |
| 1 | LED lighting | Lumpsum | 7.00 |
| 2 | Split AC's and Cassette type AC's and spares | Lumpsum | 13.00 |
| 3 | New Battery Bank and spares | Lumpsum | 30.00 |
| 4 | Spares for DG sets | Lumpsum | 14.00 |
| 5 | Spares for UPS | Lumpsum | 3.00 |
| 6 | HSD | Lumpsum | 22.00 |
| 7 | 415 Volts Switch gear Spares like Fuses, MCBs, ELCB, Contractor SFU, Over load relays, connector block, Junction Box, etc | Lumpsum | 9.00 |
| 8 | Protective relays/ Meters Equipments | Lumpsum | 5.00 |
| 9 | VFD spares | Lumpsum | 5.00 |
| 10 | 6.6KVolts Switch gear Spares | Lumpsum | 10.00 |
| 11 | 220KVolts Lighting Arrester | Lumpsum | 30.00 |
| 12 | Power & Control cables | Lumpsum | 5.00 |
| 13 | Bearings for Motors | Lumpsum | 2.00 |
| 14 | Heating Oils, Lubricant, Varnish, paints, etc | Lumpsum | 4.00 |
| 15 | Wire for house wiring | Lumpsum | 4.00 |
| 16 | Lighting consumable | 200nos. | 3.00 |
| 17 | Lighting maintenance | 2000 nos. | 5.30 |
| 18 | Battery | 400nos. | 12.00 |
| 19 | Battery maintenance | 540nos. | 10.65 |
| 20 | Motor maintenance | 300nos. | 8.70 |
| 21 | Exhaust fan | 16nos. | 2.00 |
| 22 | Air conditioner | 12 nos. | 3.00 |
| 23 | Air conditioner maintenance | 98 nos. | 14.60 |
| 24 | Switchyard equipments | 2 set | 5.00 |
| 25 | Transformer maintenance | 8nos. | 4.00 |
| 26 | Measuring instruments | 2lot | 2.00 |
| 27 | LV Switchgears | 2 set | 6.00 |
| 28 | LV Switchgear maintenance | 60nos. | 15.40 |
| 29 | Battrey charger | 2set | 4.00 |
| 30 | DG SET Maintenance | 2 set | 2.00 |
| 31 | Airconditions 2TR | 2 | 1.0 |
| 32 | Ceiling fans | 6 | 1.1 |
| 33 | Exhaust fans | 6 | 0.4 |
| 34 | 3.3 KV Panels | - | 120.0 |
| 35 | Switchyard consumables | 2 set | 2 |
| 36 | Air conditioner | 5 nos. | 2 |
| 37 | LT Armoured Cables | 1000 mtrs. | 10.0 |
| 38 | Lighting consumable | 200nos. | 3.0 |
| 39 | LED fittings | 100 nos. | 5.0 |
| 40 | Motor | - | 5.0 |
| 41 | Bearings for motors | 50 nos. | 2.0 |
| 42 | BLDC ceiling & wall mount fans | 50 nos. | 4.0 |
| 43 | Pedestal fans | 5 nos. | 1.0 |
| 44 | Exahust Fans | 5 nos. | 0.8 |
| 45 | Measuring instruments | 30 nos. | 1.5 |
| 46 | Lightning Arrestors | - | 3.0 |
| 47 | LV Switchgears & contactor etc. | 15 nos. | 1.5 |
| 48 | Heating Tapes | 40 nos. | 2.0 |

Procurement Plan for Heavy Water Board for FY 2027-28

| Sn No | Item Description | Quantity | Total Estimated cost (Rs. In Lakh) |
|------------------|---|----------|------------------------------------|
| 49 | Fuses | 100 nos. | 0.8 |
| 50 | Spares for DG sets | 1 set | 0.8 |
| 51 | Drinking Water Coolers | 2 nos. | 1.0 |
| 52 | MCCBs & ELCBs | 100 nos. | 1.5 |
| 53 | Lighting JB etc. | 50 nos. | 3.0 |
| 54 | Tools and Tackle | 50 nos. | 2.5 |
| 55 | Consumables (Grease, flash strips ,tapes etc.) | lumsun | 3.0 |
| 56 | Protective relays | 10 nos. | 2.5 |
| 57 | Numerical Relay | | 10.0 |
| 58 | Procurement of MOVs | | 10.0 |
| 59 | HT Panel components/spares | | 6.1 |
| 60 | LT panel components/spares | | 6.1 |
| 61 | Spares for LT motors | | 6.1 |
| 62 | LED Light & fitting materials | | 6.1 |
| 63 | Spares for control room, UPS room A/C Units & ventilation system | | 6.1 |
| 64 | New Startup Heater | | 300.0 |
| PC&AL | | | |
| 1 | Spares for Lab instruments | Lumpsum | 70.00 |
| 2 | FTIR Spectrophotometer | 1 | 50.00 |
| 3 | KF Moisture Analyzer | 1 | 30.00 |
| 4 | Glass ware and Chemicals | Lumpsum | 12.00 |
| 5 | Chemicals for Laboratory | 1 Lot | 2.00 |
| 6 | PP wares for Laboratory | 1 Lot | 2.00 |
| 7 | Spares for Laboratory Instruments as and when required | 1 Lot | 3.00 |
| 8 | Lab work station | 1 no | 15.00 |
| 9 | Fume Hood | 3 no | 15.00 |
| 10 | GC | 1 no | 25.00 |
| 11 | Liquid Helium for NMR | | 12.70 |
| 12 | Liquid Nitrogen for NMR | | 2.90 |
| 13 | UHP gases (N2; H2; N2O; He; etc) | | 2.80 |
| 14 | AAS spares | | 6.00 |
| 15 | GC with PDHID detector (VDPP) capital project | | 2.00 |
| 16 | Spares for other Laboratory Instruments as and when required | | 6.00 |
| 17 | Minor laboratory items (like pH meter; conductivity meter; Hot plate etc | | 4.00 |
| 18 | Chemicals | | 7.00 |
| 19 | Glasswares | | 3.80 |
| I&C | | | |
| 1 | Procurement of Servers for HWPK | Various | 10.00 |
| 2 | Procurement of LGs, PGs and TGs & spares | Various | 5.00 |
| 3 | Procurement & Upgrade of Computers at HWPK | Various | 25.00 |
| 4 | ROIV valves & spares | Various | 25.00 |
| 5 | Control valve & spares | Various | 25.00 |
| 6 | Transmitters & spares | Various | 15.00 |
| 7 | Booster & panel spares | Various | 5.00 |
| 8 | H2S monitoring spares | Various | 30.00 |
| 9 | AMC for various equipments | Various | 10.00 |
| 10 | CCTV Spares | Various | 10.00 |
| 11 | Instrumentation spares | Various | 15.00 |
| 12 | Printer Cartridges | Various | 15.00 |
| 13 | Printers | Various | 5.00 |
| 14 | VC Spares | Various | 1.00 |
| 15 | IT Contract | Various | 25.00 |
| 16 | RTD | Various | 10.00 |
| 17 | I to P convertors | Various | 20.00 |
| 18 | Swagelok tubes and fittings | Various | 25.00 |
| 19 | Electrical contact cleaner and rust remover | Various | 2.00 |
| 20 | Grease and oil | Various | 5.00 |
| 21 | Consumable items (Teflon tape, insulation tape and aluminum tape) | Various | 1.00 |
| 22 | ½" gate valves | Various | 25.00 |
| 23 | Controller, indicator and CLR | Various | 20.00 |
| 24 | Terminal blocks and wiring items (cable glands, lugs, cable ties and crimping tools) | Various | 1.00 |

Procurement Plan for Heavy Water Board for FY 2027-28

| Sn No | Item Description | Quantity | Total Estimated cost (Rs. In Lakh) |
|--------------|---|-----------|------------------------------------|
| 25 | AFR and air filter elements | Various | 2.00 |
| 26 | Motorized Valve Actuators and spares | Various | 50.00 |
| 27 | Saunders valves & spares | Various | 25.00 |
| 28 | Analytical instruments & spares | Various | 5.00 |
| 29 | Instrumentation cables | Various | 10.00 |
| 30 | Pressure switch, Level Switch, Temperature Switch | Various | 5.00 |
| 31 | Telecommunication equipments | Various | 10.00 |
| 32 | EPABX spares | Various | 15.00 |
| 33 | Physical Protection System spares | Various | 2.00 |
| 34 | LAN equipments & spares | Various | 5.00 |
| 35 | IR Camera for Flare Stack | Various | 40.00 |
| 36 | Spare valve actuators of Saunders valves | Various | 10.00 |
| 37 | Cable(FO cable,Power cable & Signal cable) | 1 Lot | 3.63 |
| 38 | Power supply module/SMPS | 10 | 0.61 |
| 39 | Controller / indicator of control system | Lot | 6.05 |
| 40 | Field Measuring instruments | Lumpsum | 9.68 |
| 41 | Annual maintenance of instruments and CCTV | | 32.67 |
| 42 | Spare for test equipments & tools tackle | Lot | 3.03 |
| 43 | Pneumatic instrument(Control valve & Actuator) | Lot | 3.63 |
| 44 | PA system equipments | Lot | 1.82 |
| 45 | Physical protection system | lot | 3.63 |
| 46 | Procurement of Distribution Control System for H2S geration Unit at HWPM | 1 system | 250 |
| 47 | Procurement of Distribution Control System for Captive Power Plant (Unit 2 & 3) | 2 systems | 1560 |
| 48 | Procurement of Electro Hydraulic Turbine Control System for TG 1& 2 at Captive Power Plant. | 2 systems | 840 |
| 49 | Cable(FO cable,Power cable & Signal cable) and Cable Trays | 1 Lot | 8 |
| 50 | Power supply module/SMPS | 1 Lot | 0.61 |
| 51 | Controller / indicator / Paperless Recorder of control system | 1 Lot | 5 |
| 52 | Field Measuring instruments (LG/LT/PT/TC/PG), Gas Detectors and its spares | Lumpsum | 13 |
| 53 | CCTV Spares (Bullet Camera, PTZ camera, POE Switch etc) and TV Screens | Lumpsum | 3.5 |
| 54 | Spare for test equipments & tools tackle | 1 Lot | 3 |
| 55 | Pneumatic instrument(Control valve & Actuator) and SOVs and spares | 1 Lot | 4 |
| 56 | FAS and PA system equipments and spares | 1 Lot | 2 |
| 57 | Access Control System Spares | 1 Lot | 2 |
| 58 | Miscellaneous Instrumentation Purchase | 1 Lot | 3 |
| 59 | Fisher V automat LT Heads | | 20.00 |
| 60 | AMMONIA /HYDROGEN DETECTORS and control pannel | | 10.00 |
| 61 | CONTROL VALVES POSITIONERS & SPARES(ALL VALVES) | | 6.13 |
| 62 | Nox Analyzer for Main & Mini Cracker | | 70.00 |
| 63 | MISC. INSTRUMENTS / SPARES FOR MAIN PLANTS | | 12.25 |
| 64 | New Control valves | | 10.00 |
| Civil | | | |
| 1 | Synthetic resin adhesive for wood and joinry work like Fevicol | 30 Liter | 0.33 |
| 2 | Glass Putti adhesive | 5 Kg | 0.11 |
| 3 | Shade Nets for agriculture and horticulture purpose | 250 sqm | 0.33 |
| 4 | 6 mm, 9mm, 12mm, 19mm thick ply wood | 1800 Sqf | 1.27 |
| 5 | 20 mm, 35 mm and 50 mm wooden screw | 30 kg | 0.50 |
| 6 | Door closer | 24 No. | 0.33 |
| 7 | Door stopper | 100 No. | 0.11 |
| 8 | Hasps and staples 75 & 100mm | 100 No. | 0.11 |
| 9 | Silicone sealant | 60 No. | 0.33 |
| 10 | Aluminium alloy tower bolts | 50 No. | 0.06 |
| 11 | Aluminium alloy door handles | 200 Piece | 0.17 |
| 12 | Pinewood staging planks | 10 Pieces | 0.33 |
| 13 | Acrylic Sheet 8'x4' | 5 Nos | 0.25 |
| 14 | Ordinary Portland Cement grade 43, conforming to IS: 269-2015 in 50 Kg HDPE Bags. | 225 kg | 1.27 |

Procurement Plan for Heavy Water Board for FY 2027-28

| Sn No | Item Description | Quantity | Total Estimated cost (Rs. In Lakh) |
|---------------|--|-----------|------------------------------------|
| 15 | Bricks | 5000 No. | 0.66 |
| 16 | Tarpaulins(25x50 sqft) | 20 Pieces | 1.10 |
| 17 | Free flow, high strength, non-shrink, cementitious precision grout, ready mix dry powder | 350 kg | 0.33 |
| 18 | Synthetic enamel paint of colour Black, Green, Oxford Blue, White, Signal Red, Smoke grey | 180 Ltr | 1.10 |
| 19 | Aluminium metallic paint | 40 Ltr | 0.28 |
| 20 | Turpentine oil | 50 Liter | 0.22 |
| 21 | Emery papers | 400 Piece | 0.11 |
| 22 | Liquid Varnishes | 50 liter | 0.17 |
| 23 | Epoxy compound for sealing joints in plumbing like M Seal | 50 Kg | 0.37 |
| 24 | 15 mm Bib, Pillar Taps | 100 No. | 1.23 |
| 25 | 15 & 20 mm gate valve | 80 No. | 0.74 |
| 26 | 15 mm stop cock | 50 No. | 0.31 |
| 27 | PVC Connection tube 450mm | 200 No. | 0.12 |
| 28 | Bathroom hand shower | 100 No. | 0.31 |
| 29 | 15mm float valve | 50 No. | 0.25 |
| 30 | Waste coupling 32 mm | 50 No. | 0.10 |
| 31 | HDPE flushing cistern of capacity 10 Litres | 20 No. | 0.19 |
| 32 | Medium class galvanized steel pipe of 15 mm, 20 mm & 25 mm | 270 meter | 0.92 |
| 33 | Liquid soap dispenser | 50 No. | 0.29 |
| 34 | Toilet mirror | 12 No. | 0.22 |
| 35 | GI fittings like elbow, socket, nipples, reducers, Tee, Union etc. of 15mm, 20mm, 25mm, 32mm, 40mm, 50mm, 75mm & 100mm sizes | 1000 No. | 0.62 |
| 36 | PVC pipes | 30 Piece | 0.28 |
| 37 | PVC fittings like Bend, sockets, Tee | 50 Piece | 0.24 |
| 38 | OWC | 12 Pieces | 0.40 |
| 39 | EWC | 12 Pieces | 0.40 |
| 40 | Welding Electrodes E-6013, 3.15 mm dia and 350 mm length | 2500 No. | 0.29 |
| 41 | Weld mesh fabric | 3 Roll | 0.31 |
| 42 | Chainlink fencing | 200 kg | 0.31 |
| 43 | Various Plumbing items for colony and plant | 1 lot | 5.00 |
| 44 | Various carpentry items for colony and plant | 1 lot | 5.00 |
| 45 | Miscellaneous civil Sanitary & tiling Items | 1 lot | 5.00 |
| 46 | Plumbing related items | Lot | 1.23 |
| Stores | | | |
| 1 | DUSTER CHECK LINE | 2000 | 0.27 |
| 2 | SOAP LIQUID | 500 Ltrs | 0.60 |
| 3 | SOCKS GENTS- 2 PAIRS EVERY YEAR | 900 Pairs | 0.90 |
| 4 | Boot Polish-1 tin (20gm) Once in 2 months or 40 gm once in 4th months | 1400 | 0.47 |
| 5 | Towel | 425 | 1.29 |
| 6 | Napkin | 1700 | 1.36 |
| 7 | Soap- Monthly | 5000 | 2.66 |
| 8 | Ball Point Pen - Once in a month for Admn. Accts & DPS Staff and once in 2 month for all others | 5000 | 1.33 |
| 9 | CELL TORCH (TORCH CELL) | 800 | 0.29 |
| 10 | COTTON RAGS | 2500 Kgs | 3.85 |
| 11 | WATER JUG | 125 | 0.18 |
| 12 | LEAD SEAL | 20 Kgs | 0.11 |
| 13 | LOCK NAVTAL 5 LEVER | 50 | 0.13 |
| 14 | LOCK NAVTAL 6 LEVER | 50 | 0.20 |
| 15 | LOCK NAVTAL 7 LEVER | 20 | 1.30 |
| 16 | ROPE MANILA 1/2" DIA | 250 Kgs | 0.38 |
| 17 | ROPE MANILA 3/4" DIA | 350 Kgs | 0.40 |
| 18 | TARPAULINE HDPE 10 X 10 MTR. | 10 | 0.70 |
| 19 | TARPAULINE HDPE 15 X 15 MTR. | 5 | 0.76 |
| 20 | TARPAULINE HDPE 4 X 4 MTR. | 10 | 0.12 |
| 21 | TUMBLER GLASS | 500 | 0.21 |
| 22 | BOOK DUPLICATE | 100 | 0.10 |
| 23 | BOOK FIELD | 1000 | 0.32 |
| 24 | BOOK PEON | 200 | 0.28 |

Procurement Plan for Heavy Water Board for FY 2027-28

| Sn No | Item Description | Quantity | Total Estimated cost (Rs. In Lakh) |
|------------------|--|--------------|------------------------------------|
| 25 | ERASER PENCIL | 500 | 0.01 |
| 26 | PENCIL ORDINARY | 250 | 0.10 |
| 27 | FILE BOX TYPE | 350 | 0.43 |
| 28 | FILE MARBLE | 1500 | 0.40 |
| 29 | FILE MARBLE PLASTIC COATED | 1000 | 0.32 |
| 30 | FOLDER BROWN | 4000 | 0.74 |
| 31 | FOLDER WITH FLAP | 750 | 0.11 |
| 32 | FOLDER YELLOW | 3000 | 0.12 |
| 33 | NOTE BOOK | 350 | 0.38 |
| 34 | NOTING SHEET | 500 | 0.31 |
| 35 | PAD CONFERENCE | 200 | 0.17 |
| 36 | PUNCH DOUBLE HOLE | 150 | 0.15 |
| 37 | REGISTER RULED 1 QR. | 200 | 0.12 |
| 38 | REGISTER RULED 2 QR. | 200 | 0.33 |
| 39 | REGISTER RULED 3 QR. | 200 | 0.43 |
| 40 | REGISTER RULED 4 QR. | 150 | 0.28 |
| 41 | REGISTER RULED 6 QR. | 50 | 0.10 |
| 42 | Dustbin 15 Ltrs. Capacity | 30 | 0.12 |
| 43 | Dustbin 10 Ltrs. Capacity | 30 | 0.13 |
| 44 | Umbrella | 30 | 0.28 |
| 45 | Cotton Yarn Tag | 2000 Bundles | 0.27 |
| 46 | ANNUAL MAINTAINANCE CONTRACT FOR WEIGHING SCALES AND WEIGH BRIDGES | 1 | 2.22 |
| 47 | Procurment of male Uniform Cloth | 200 no. | 7.25 |
| 48 | Procurement of female uniform cloth | 200 no. | 0.6 |
| 49 | Procurement of Leather shoes (Ministrial) | 200 no. | 0.5 |
| 50 | Procurement of female Leather Chappals | 200 no. | 0.15 |
| 51 | Procurment of Socks | 200 no. | 0.43 |
| 52 | Procurment of Shoe Polish | 200 no. | 0.4 |
| 53 | Procurment of Towel | 200 no. | 0.57 |
| 54 | Procurment of Napkin | 200 no. | 0.85 |
| 55 | Procurment of Soap | 200 no. | 1.42 |
| 56 | Procurment of Ball Point Pen | 200 no. | 0.5 |
| 57 | Misc. purchase | Lot | 1.50 |
| 58 | COMMON STOCK ITEMS PROCURED BY STORES LIKE, STATIONERY, GENERAL, CLEANING, GASES ETC. | | 8.65 |
| 59 | TRANSPORTATION OF TRI BUTYLE PHOSPHATE FROM HWBF-V TO OTHER DAE UNITS IN INDIA FOR PERIOD OF ONE YEAR (Locations:-NFC-Hyderabad, NFC-Kota, NFC-Pazhayakal, HWB-Mumbai) | | 53.24 |
| Chemicals | | | |
| 1 | Hydrochloric Acid (MT) | 2475 MT | 28.34 |
| 2 | Caustic Soda, Lye (MT) | 720 MT | 332.45 |
| 3 | Caustic Soda, Flakes (MT) | 100 MT | 51.66 |
| 4 | Sulphuric Acid (MT) | 100 MT | 12.57 |
| 5 | Sodium Hydrogen Sulphide (NaHS) Solution* (MT) | 96 MT | 97.34 |
| 6 | Sodium Sulphide, Flakes* (MT) | 85 MT | 99.44 |
| 7 | Turbinol 46 (LTR) | 6300 Ltrs | 13.12 |
| 8 | Hydrated Lime (MT) | 100 MT | 9.65 |
| 9 | Liq. Petroleum Gas (MT) | 120 MT | 102.90 |
| 10 | Poly-Aluminium Chloride (MT) | 12 MT | 2.46 |
| 11 | Monoethanolamine (MEA) (KG) | 1260 Kgs | 2.26 |
| 12 | Bleaching Powder (MT) | 15 MT | 3.68 |
| 13 | Liquid Chlorine (MT) | 21.6 MT | 3.71 |
| 14 | Resin-SBA Type II (for AX) Gel (LTR) | 33660 Ltrs | 91.01 |
| 15 | POCl 3 | 42 Te | 67.53 |
| 16 | N- Butanol | 80 Te | 121.71 |
| 17 | Na2CO3 (Soda Ash) | 54 Te | 26.52 |
| 18 | BF3 Complex | 11000 Kg | 93.17 |
| 19 | Potassium Fluoride (KF) | 1000 Kg | 4.46 |
| 20 | Acetone | 2000 Ltr | 3.07 |
| 21 | Calcium Carbonate | 4000 Kg | 2.24 |
| 22 | HF | 75 Kg | 3.22 |

Procurement Plan for Heavy Water Board for FY 2027-28

| Sn No | Item Description | Quantity | Total Estimated cost (Rs. In Lakh) |
|---------------------------------|---|----------|------------------------------------|
| 23 | Oleum | 450 Kg | 46.65 |
| 24 | H2SO4 | 300 Ltr | 1.54 |
| 25 | Ferric Chloride | 8000 Kg | 9.26 |
| 26 | Precoat Powder | 6000 Kg | 6.59 |
| 27 | Sodium Hydroxide | 10 Te | 10.25 |
| 28 | HCl | 24 Te | 3.19 |
| 29 | ETP Sludge | 20 Te | 5.00 |
| 30 | LDO | 60 KL | 84.33 |
| 31 | Freon-22 | 305 Kg | 2.44 |
| 32 | R-404a | 270 Kg | 3.05 |
| 33 | 134a | 310 Kg | 2.13 |
| 34 | HDPE Drum | 300 No | 8.05 |
| 35 | Oil & Lubricant | 630 Ltr | 24.42 |
| 36 | Oil & Lubricant for BEXD | 420 Ltr | 0.88 |
| 37 | Glycol | 500 Kg | 2.20 |
| 38 | AOD Pump/ Dosing pump | 4 No | 2.66 |
| 39 | Hose Pipe | 1 Lot | 0.84 |
| 40 | PTFE/ Tygon Tube | 1 Lot | 1.96 |
| 41 | Miscellaneous operational tools | 1 Set | 6.66 |
| 42 | Potassium Fluoride | 20.25 MT | 222.28 |
| 43 | Calcium Carbide | 16 MT | 162.06 |
| 44 | Light Liquid Paraffin Oil | 10.5 KL | 16.30 |
| 45 | Slate Paraffin Wax | 2 MT | 2.83 |
| 46 | Inert Gas | 700 m3 | 0.69 |
| 47 | Refractory Items | 1 Lot | 13.31 |
| 48 | Asbestos Gasket | 465 Nos | 1.14 |
| 49 | Ceramic Rope | 100 Kg | 0.67 |
| 50 | LDPE Bags | 100 Kg | 0.33 |
| 51 | Soft Rubber Cord | 700 m | 0.67 |
| 52 | Cotton Bags | 700 Nos | 3.19 |
| 53 | Cotton Markin Cloth | 200 m | 0.33 |
| 54 | Paint Brushes | 100 Nos | 0.13 |
| 55 | Lock Pins | 700 Nos | 1.00 |
| 56 | Tag for Drums | 700 Nos | 0.13 |
| 57 | Miscellaneous operational tools for Potassium plant | 1 Set | 13.31 |
| 58 | Lubricating Oils | | 57.00 |
| 59 | Hexane | | 6.00 |
| 60 | Alumina balls, Silica Gel, Activated Carbon | | 10.00 |
| Safety & Environment | | | |
| 1 | BA set spares for 2.0 ltr and 9.0 Ltr (Nos.) | various | 14.00 |
| 2 | Canister face mask (Nos.) | 200 | 9.50 |
| 3 | Monitors and sensors- SO2, H2S, Noise level, O2 etc (Nos.) | various | 5.50 |
| 4 | Batteries for various monitors (Nos.) | various | 1.60 |
| 5 | Breathing Air detection tubes suitable for M/s MSA make high pressure breathing air analyzer" (Set) | 4 Sets | 1.50 |
| 6 | Procurement of calibration gasses (Nos.) | various | 0.60 |
| 7 | Eye shower and its spares (Nos.) | various | 1.00 |
| 8 | Industrial Personal Protective equipments (Nos.) | various | 13.50 |
| 9 | LSA spares (Nos.) | various | 5.00 |
| 10 | Printing of log sheets etc. (Nos.) | various | 2.00 |
| 11 | Hand gloves(Cotton, Nitril) | 400 | 2.60 |
| 12 | Face Shield (Mask, Goggle, Dust Mask) | 1Lot | 0.60 |
| 13 | Safety Shower | 5 | 1.30 |
| 14 | Miscellaneous Safety PPE | 1 Lot | 2.60 |
| 15 | New Environmental Monitor | 3 | 2.50 |
| 16 | Hand gloves(kevlar) | 300 | 4.60 |
| 17 | Hand gloves(Cotton,PVC) | 1Lot | 0.66 |
| 18 | Safety Shoes | 0 | 0.00 |
| 19 | Face Shield (Mask, Goggle, Dust Mask) | 1Lot | 0.66 |
| 20 | Miscellaneous Safety PPE | 1 Lot | 2.60 |
| 21 | Procurement for Promotional Activities | 1Lot | 1.80 |
| 22 | Procurment of Safety Memento | 215 | 0.00 |
| Stationaries | | | |

Procurement Plan for Heavy Water Board for FY 2027-28

| Sn No | Item Description | Quantity | Total Estimated cost (Rs. In Lakh) |
|---------------------|---|--------------------|------------------------------------|
| 1 | A-4 Size Zerox Paper | 600 Reams | 2.24 |
| 2 | Stationary Items | As per Requirement | 0.27 |
| Fire | | | |
| 1 | Variable Water flow monitor for enhanced fire mitigation in XU | 2 Nos. | 7.00 |
| 2 | Fire Extinguishers | 100 Nos. | 3.00 |
| 3 | AFFF Foam | 3000 ltr. | 1.00 |
| 4 | Short Branch | 50 Nos. | 4.00 |
| 5 | Spares for Inflatable Emergency Tower Light | 2 Sets | 2.00 |
| 6 | Miscellaneous Hose Fittings Like Adaptors, Breachings & Branches | 50 Nos. | 2.00 |
| 7 | Spare Parts of Extinguisher | 1Lot | 1.30 |
| 8 | Hose Box | 20 | 1.20 |
| 9 | Fire Fighting Suit | 10 | 0.60 |
| 10 | Extinguisher Cartraige | 30 | 0.85 |
| 11 | Fire Bucket | 50 | 1.20 |
| 12 | Fire Equipments(Stainer, Branches,Landing Valve e.t.c) | 1 Lot | 3.30 |
| 13 | Procurment for Fire Day | 50 | 0.45 |
| 14 | Purchase of fire chemical Powder | 500 kg | 1.85 |
| 15 | Purchase of fire chemical (Foam) | 500 kg | 1.85 |
| 16 | Replacement of fire fighting equipments | Lot | 1.5 |
| 17 | Uniform Items of Fire section | Lot | 2.15 |
| 18 | Items for public outreach | Lot | 1.23 |
| Security | | | |
| 1 | Uniform items for securiy staff | 1 Lot | 4.5 |
| 2 | Miscelleneous | 1 Lot | 0.8 |
| IT Equipment | | | |
| 1 | IT consumables | 2 lot | 2.42 |
| 2 | IT spare | 1 lot | 1.82 |
| 3 | Computer Hardwares & peripherals | 1 lot | 5.45 |
| 4 | Server and Rack | 1 No. | 5.45 |
| 5 | Networking hardwares including cables | 1 lot | 1.82 |
| 6 | Secutiry surveillance equipment spares (Includes camera,PoE switch media converter,storage and display) | 1 lot | 2.42 |
| 7 | Software(OS and Application) | | 1.82 |
| 8 | Testing and Tools & takel | Lumpsum | 0.36 |
| 9 | Maintenance of IT equipments | | 14.64 |
| 10 | IT consumables (Lan Cables, Connectors etc) | 1 lot | 1.50 |
| 11 | IT spares and Miscellneous items (eg: keyboard, Mouse, Speakers, webcam etc) | 1 lot | 2.50 |
| 12 | Desktop Computer and Printers | 1 lot | 4.00 |
| 13 | Servers | 1 No. | 8.00 |
| 14 | Networking hardwares, Switches, Server Rack including cables | 1 lot | 1.75 |
| 15 | Media converter,storage device (SSD, RAM and HDDs) | 1 lot | 2.00 |
| 16 | Software(OS and Antivirus Application License) | 1 lot | 1.50 |
| 17 | Testing and Tools & tackels | Lumpsum | 0.50 |
| 18 | UPS Battereis | 1 lot | 1.00 |
| | | Total | 8479.81 |

Procurement Plan for Heavy Water Board for FY 2028-29

| Sn No | Item Description | Quantity | Total Estimated cost (Rs. In Lakh) |
|-------------------------|--|--------------------|------------------------------------|
| Mechanical items | | | |
| 1 | Routine spares/equipment's for O&M of HWP Hazira | Lumpsum | 900 |
| 2 | Procurement of CS storage tank | As per Requirement | 20.00 |
| 3 | Procurement of SS storage tank | As per Requirement | 20.00 |
| 4 | Spares for pumps | As per Requirement | 10.00 |
| 5 | Mechanical seal for pumps | As per Requirement | 25.00 |
| 6 | Spares for air compressors | As per Requirement | 10.00 |
| 7 | H2S Compressor PTFE Packings | As per Requirement | 25.00 |
| 8 | O-rings | As per Requirement | 2.00 |
| 9 | Tyres & Tubes | As per Requirement | 2.00 |
| 10 | Welding Consumables | As per Requirement | 1.00 |
| 11 | Spares for Workshop M/c | As per Requirement | 2.00 |
| 12 | Insulation materials | As per Requirement | 20.00 |
| 13 | Valves including GATE, PLUG, NRV | As per Requirement | 10.00 |
| 14 | Piping & fitting spares | As per Requirement | 30.00 |
| 15 | Procurment of Lubricating and hydraulic oil | As per Requirement | 4.00 |
| 16 | Ultrasoinc testing machine and accessories | As per Requirement | 1.00 |
| 17 | Gasket | As per Requirement | 10.00 |
| 18 | Stud and Nuts | As per Requirement | 20.00 |
| 19 | Procurement of surface grinder | 1 lot | 20.00 |
| 20 | Procurement of Hydrotest m/c | 1 lot | 2.00 |
| 21 | Procurement of boilers | 1 lot | 12.00 |
| 22 | Procurement of Brine chilling system | 1 lot | 50.00 |
| 23 | Procurement of SS pipes | 1 lot | 5.00 |
| 24 | Procurement of CS Pipes | 1 lot | 5.00 |
| 25 | Procurement of Oil Sealed Rotary Vacuum pump | 1 lot | 6.00 |
| 26 | Procurement of pupms | 1 lot | 6.00 |
| 27 | Procurement of of structure | 1 lot | 6.00 |
| 28 | Procurement of PTFE Lines CS Pipes | 1 lot | 35.00 |
| 29 | Procurement of Air Screw Compressor | 1 lot | 12.00 |
| 30 | Procurement of New Air Compressor | 1 lot | 26.00 |
| 31 | Procurement of Studs with Nut | 1 lot | 2.00 |
| 32 | Procurement of Spare for brine chilling systems | 1 lot | 5.00 |
| 33 | Procurement of spares of Air compressor | 1 lot | 6.00 |
| 34 | Procurement of spares of Boiler | 1 lot | 2.00 |
| 35 | Procurement of Glasslined spares | 1 lot | 3.00 |
| 36 | Procurement of spares of VAC system | 1 lot | 5.00 |
| 37 | Procurement of pump spares | 1 lot | 1.50 |
| 38 | Procurement of W/shop Consumables | 1 lot | 5.00 |
| 39 | Procurement of paints | 1 lot | 35.00 |
| 40 | Procurement of Preventive/BD consumables | 1 lot | 45.00 |
| 41 | Procurement of Insulation material | 1 lot | 10.00 |
| 42 | Procurement of Autogarage works | 1 lot | 6.00 |
| 43 | Procurement of Gasket material | 1 lot | 3.00 |
| 44 | Procurement of spares of Diesel engine | 1 lot | 2.00 |
| 45 | Procurement of spares for crane | 1 lot | 3.00 |
| 46 | Procurement of spares of Forklift | 1 lot | 1.00 |
| 47 | Procurement of spares of Fire tender | 1 lot | 2.00 |
| 48 | Procurement of SS pipes | 1 lot | 5.00 |
| 49 | Procurement of CS Pipes | 1 lot | 5.00 |
| 50 | Procurement of Oil Sealed Rotary Vacuum pump | 1 lot | 6.00 |
| 51 | Procurement of pupms | 1 lot | 6.00 |
| 52 | Procurement of of structure | 1 lot | 6.00 |
| 53 | Procurement of Studs with Nut | 1 lot | 2.00 |

Procurement Plan for Heavy Water Board for FY 2028-29

| Sn No | Item Description | Quantity | Total Estimated cost (Rs. In Lakh) |
|-------------------|---|--------------------|------------------------------------|
| 54 | Procurement of Spare for brine chilling systems | 1 lot | 5.00 |
| 55 | Procurement of spares of Air compressor | 1 lot | 6.00 |
| 56 | Procurement of spares of Boiler | 1 lot | 2.00 |
| 57 | Procurement of Glasslined spares | 1 lot | 3.00 |
| 58 | Procurement of spares of VAC system | 1 lot | 5.00 |
| 59 | Procurement of pump spares | 1 lot | 0.30 |
| 60 | Procurement of W/shop Consumables | 1 lot | 5.00 |
| 61 | Procurement of paints | 1 lot | 35.00 |
| 62 | Procurement of Preventive/BD consumables | 1 lot | 60.00 |
| 63 | Procurement of Insulation material | 1 lot | 15.00 |
| 64 | Procurement of Autogarage works | 1 lot | 6.00 |
| 65 | Procurement of Gasket material | 1 lot | 5.00 |
| 66 | Procurement of spares of Diesel engine | 1 lot | 2.00 |
| 67 | Procurement of spares for crane | 1 lot | 3.00 |
| 68 | Procurement of spares of Forklift | 1 lot | 1.00 |
| 69 | Procurement of spares of Fire tender | 1 lot | 2.00 |
| 70 | Electrolysis Cell with Pt and SS electrodes and electrical accessories | 3 | 30.00 |
| 71 | PPH Mixer settler equipment | 4 | 8.00 |
| 72 | Procurement of machine spares forTBP plant and MEE unit | 1 lot | 35.00 |
| 73 | Procurement of machine spares for DMW plant and utilites. | 1 lot | 29.00 |
| 74 | Procurement of pipes, fittings and Valves | 1 lot | 22.00 |
| 75 | Procurement of Retort Bodies for K-metal Plant | 80 nos. | 42.00 |
| 76 | Procurement of Retort Heads for K-metal Plant | 60 nos. | 11.00 |
| 77 | Procurment of spares of K-metal Plant | | 11.00 |
| 78 | Procurement of Miscellaneous workshop consumables like welding electrodes, grinding wheel, cutting oil, tools etc | 1 lot | 15.00 |
| 79 | Procurment of spares 24 KA sodium cell | 1 lot | 19.00 |
| 80 | Industrial Paint | | 25.00 |
| 81 | Procurement of various valve component spares | | 15.00 |
| 82 | Procurement of Syn. Gas compressor spares (20K4 , 20K5 19K3A/B) | | 10.00 |
| 83 | Procurement of IA / IGP compressor spares (30K11/12, 37K1,37RC1/2.) | | 10.00 |
| 84 | Procurement of Structural Material | | 25.00 |
| 85 | Procurement of14P3 diaphragm | | 10.00 |
| 86 | Procurement of dryer valves component spares | | 10.00 |
| 87 | Procurement of ID/FD fan spares | | 10.00 |
| 88 | Procurement of Cooling water pump spares | | 10.00 |
| 89 | Procurement of tower canned motor pumps for 12T1/T2 | | 100.00 |
| 90 | Procurement of ceramic bearings for tower pump | | 20.00 |
| 91 | Procurement of EPDM O rings for tower | | 15.00 |
| 92 | Procurement of Bearing of various compressors & Motors | | 10.00 |
| 93 | Procurement of spare pumps | | 50.00 |
| #REF! | Procurement of HP/MP/LP valves | | 15.00 |
| Electrical | | | |
| 1 | LED lighting | As per Requirement | 8.00 |
| 2 | Split AC's and Cassette type AC's and spares | As per Requirement | 15.00 |
| 3 | Drinking water cooler | As per Requirement | 2.00 |
| 4 | Tools & Tackles | As per Requirement | 2.50 |
| 5 | Spares for DG sets | As per Requirement | 16.00 |
| 6 | HSD | As per Requirement | 24.00 |

Procurement Plan for Heavy Water Board for FY 2028-29

| Sn No | Item Description | Quantity | Total Estimated cost (Rs. In Lakh) |
|-------|---|--------------------|------------------------------------|
| 7 | 415 Volts Switch gear Spares like Fuses, MCBs, ELCB, Contractor SFU, Over load relays, connector block, Junction Box, etc | As per Requirement | 10.00 |
| 8 | Protective relays/ Meters Equipments | As per Requirement | 7.00 |
| 9 | VFD spares | As per Requirement | 7.00 |
| 10 | Power & Control cables | As per Requirement | 5.00 |
| 11 | Bearings for Motors | As per Requirement | 2.00 |
| 12 | Heating Oils, Lubricant, Varnish, paints, etc | As per Requirement | 5.00 |
| 13 | Transformer Spares | As per Requirement | 4.00 |
| 14 | Transformer oil | As per Requirement | 10.00 |
| 15 | Wire for house wiring | As per Requirement | 5.00 |
| 16 | Lighting consumable | 200nos. | 3.00 |
| 17 | Lighting maintenance | 2000 nos. | 4.00 |
| 18 | Battery | 400nos. | 3.50 |
| 19 | Battery maintenance | 540nos. | 8.00 |
| 20 | Motor & drives | 10 nos. | 1.00 |
| 21 | Motor maintenance | 300nos. | 6.50 |
| 22 | Exhaust fan | 16nos. | 2.60 |
| 23 | Air conditioner | 12 nos. | 2.00 |
| 24 | Air conditioner maintenance | 98 nos. | 11.00 |
| 25 | Cables | 2000meter | 2.00 |
| 26 | Switchyard equipments | 2 set | 1.00 |
| 27 | Transformer maintenance | 8nos. | 3.00 |
| 28 | Measuring instruments | 2lot | 1.00 |
| 29 | LV Switchgears | 2 set | 3.00 |
| 30 | LV Switchgear maintenance | 60nos. | 10.00 |
| 31 | Battrey charger | 2set | 3.00 |
| 32 | DG SET Maintenance | 2 set | 1.50 |
| 33 | Lighting consumable | 200nos. | 6.00 |
| 34 | Lighting maintenance | 2000 nos. | 5.86 |
| 35 | Battery | 400nos. | 14.00 |
| 36 | Battery maintenance | 540nos. | 11.71 |
| 37 | Motor & drives | 10 nos. | 3.00 |
| 38 | Motor maintenance | 300nos. | 9.50 |
| 39 | Air conditioner | 12 nos. | 3.00 |
| 40 | Air conditioner maintenance | 98 nos. | 16.00 |
| 41 | Cables | 2000meter | 4.00 |
| 42 | Switchyard equipments | 2 set | 6.00 |
| 43 | Transformer maintenance | 8nos. | 4.40 |
| 44 | Measuring instruments | 2lot | 3.00 |
| 45 | LV Switchgear maintenance | 60nos. | 17.00 |
| 46 | DG SET Maintenance | 2 set | 2.20 |
| 47 | Switchyard consumables | 2 set | 6.0 |
| 48 | Air conditioner | 5 nos. | 2.0 |
| 49 | LT Armoured Cables | 1000 mtrs. | 10.0 |
| 50 | Lighting consumable | 200nos. | 6.0 |
| 51 | LED fittings | 100 nos. | 5.5 |
| 52 | Battery | 2 nos. | 0.5 |
| 53 | Motor spares | 30 nos. | 5.0 |
| 54 | Bearings for motors | 30 nos. | 2.0 |
| 55 | Electrical Panels | 2 nos. | 6.0 |
| 56 | VFDs | 2 nos. | 2.0 |
| 57 | Power Regulators | 4 nos. | 2.5 |
| 58 | High Current transformer | 2 nos. | 5.0 |
| 59 | BLDC ceiling & wall mount fans | 50 nos. | 2.5 |
| 60 | Pedestal fans | 5 nos. | 0.6 |

Procurement Plan for Heavy Water Board for FY 2028-29

| Sn No | Item Description | Quantity | Total Estimated cost (Rs. In Lakh) |
|------------------|--|--------------------|------------------------------------|
| 61 | Exahust Fans | 6 nos. | 0.6 |
| 62 | Measuring instruments | 30 nos. | 1.5 |
| 63 | LV Switchgears & contactor etc. | 10 nos. | 1.6 |
| 64 | Flexible cables | 500 mtrs. | 3.0 |
| 65 | Heating Tapes | 40 nos. | 2.2 |
| 66 | Fuses | 100 nos. | 2.0 |
| 67 | Spares for DG sets | 1 set | 1.0 |
| 68 | Drinking Water Coolers | 2 nos. | 1.2 |
| 69 | Water Purifiers | 3 nos. | 0.50 |
| 70 | MCCBs & ELCBs | 100 nos. | 2.5 |
| 71 | Lighting JB etc. | 50 nos. | 2.0 |
| 72 | Transformer Oil & Paints etc. | 2 KL | 12.0 |
| 73 | Tools and Tackle | 50 nos. | 3.0 |
| 74 | Consumables (Grease, flash strips ,tapes etc.) | lumsum | 3.5 |
| 75 | Battrey charger small | 2 nos. | 1.5 |
| 76 | Procurement of MOVs | | 10.0 |
| 77 | Procurement of Cables (Unarmored & Armored) | | 10.0 |
| 78 | HT Panel components/spares | | 10.0 |
| 79 | LT panel components/spares | | 10.0 |
| 80 | Spares for LT motors | | 5.0 |
| 81 | LED Light & fitting materials | | 10.0 |
| 82 | Procurement of small rating LT motors | | 6.5 |
| 83 | Spares for control room, UPS room A/C Units & ventilation system | | 6.6 |
| 84 | Spare HT/LT motor | | 100.0 |
| PC&AL | | | |
| 1 | Spares for Lab instruments | As per Requirement | 85.00 |
| 2 | Refractometer | 1 | 35.00 |
| 3 | Density meter for D2O analysis. | 1 | 50.00 |
| 4 | Glass ware and Chemicals | As per Requirement | 15.00 |
| 5 | Chemicals for Laboratory | 1 Lot | 2.00 |
| 6 | PP wares for Laboratory | 1 Lot | 2.00 |
| 7 | Ion Guage Controller | 1 no | 15.00 |
| 8 | Filtration Unit | 1 no | 5.00 |
| 9 | Spares for Laboratory Instruments as and when required | 1 Lot | 3.00 |
| 10 | Moisture analyser | 1 no | 12.00 |
| 11 | Chemicals for Laboratory | 1 Lot | 2.00 |
| 12 | PP wares for Laboratory | 1 Lot | 2.00 |
| 13 | Spares for Laboratory Instruments as and when required | 1 Lot | 3.00 |
| 14 | Turbidity Meter | 1 no | 3.00 |
| 15 | BOD Meter | 1 no | 7.00 |
| 16 | Coulometer | 1 no | 15.00 |
| 17 | Liquid Helium for NMR | | 14.00 |
| 18 | Liquid Nitrogen for NMR | | 3.40 |
| 19 | UHP gases (N2; H2; N2O; He; etc) | | 3.20 |
| 20 | GC-MS spares | | 5.00 |
| 21 | NMR spares | | 10.00 |
| 22 | FTIR spares | | 5.00 |
| 23 | Spares for other Laboratory Instruments as and when required | | 7.00 |
| 24 | Minor laboratory items (like pH meter; conductivity meter; Hot plate etc | | 5.00 |
| 25 | Chemicals | | 7.50 |
| 26 | Glasswares | | 4.00 |
| I&C | | | |
| 1 | Procurement of Servers for HWPK | Various | 10.00 |

Procurement Plan for Heavy Water Board for FY 2028-29

| Sn No | Item Description | Quantity | Total Estimated cost (Rs. In Lakh) |
|-------|---|----------|------------------------------------|
| 2 | Procurement of LGs, PGs and TGs & spares | Various | 5.00 |
| 3 | Uppadation of HWPK DCS | 1 Lot | 1500.00 |
| 4 | Procurement & Upgrade of Computers at HWPK | Various | 25.00 |
| 5 | ROIV valves & spares | Various | 25.00 |
| 6 | Control valve & spares | Various | 25.00 |
| 7 | Transmitters & spares | Various | 15.00 |
| 8 | Booster & panel spares | Various | 5.00 |
| 9 | H2S monitoring spares | Various | 30.00 |
| 10 | AMC for various equipments | Various | 10.00 |
| 11 | CCTV Spares | Various | 10.00 |
| 12 | Instrumentation spares | Various | 15.00 |
| 13 | Printer Cartridges | Various | 15.00 |
| 14 | Printers | Various | 5.00 |
| 15 | VC Spares | Various | 1.00 |
| 16 | IT Contract | Various | 25.00 |
| 17 | Multi-meters & IR Tester | Various | 2.00 |
| 18 | Electrical contact cleaner and rust remover | Various | 2.00 |
| 19 | Consumable items (Teflon tape, insulation tape and aluminum tape) | Various | 1.00 |
| 20 | Terminal blocks and wiring items (cable glands, lugs, cable ties and crimping tools) | Various | 1.00 |
| 21 | AFR and air filter elements | Various | 2.00 |
| 22 | Analytical instruments & spares | Various | 5.00 |
| 23 | Instrumentation cables | Various | 10.00 |
| 24 | Pressure switch, Level Switch, Temperature Switch | Various | 5.00 |
| 25 | Telecommunication equipments | Various | 10.00 |
| 26 | EPABX spares | Various | 15.00 |
| 27 | Physical Protection System spares | Various | 2.00 |
| 28 | LAN equipments & spares | Various | 5.00 |
| 29 | Spare valve actuators of Saunders valves | Various | 10.00 |
| 30 | Cable(FO cable,Power cable & Signal cable) | 1 Lot | 7.00 |
| 31 | Power supply module/SMPS | 10 | 0.30 |
| 32 | Controller / indicator of control system | Lot | 5.00 |
| 33 | Field Measuring instruments | Lumpsum | 14.50 |
| 34 | Annual maintenance of instruments and CCTV | | 25.00 |
| 35 | Spare for test equipments & tools tackle | Lot | 2.00 |
| 36 | Pneumatic instrument(Control valve & Actuator) | Lot | 2.50 |
| 37 | PA system equipments | Lot | 1.00 |
| 38 | Physical protection system | lot | 2.00 |
| 39 | Cable(FO cable,Power cable & Signal cable) | 1 Lot | 3.99 |
| 40 | Power supply module/SMPS | 10 | 0.67 |
| 41 | Controller / indicator of control system | Lot | 6.66 |
| 42 | Field Measuring instruments | Lumpsum | 10.65 |
| 43 | Annual maintenance of instruments and CCTV | | 35.94 |
| 44 | Spare for test equipments & tools tackle | Lot | 3.33 |
| 45 | Pneumatic instrument(Control valve & Actuator) | Lot | 3.99 |
| 46 | PA system equipments | Lot | 2 |
| 47 | Physical protection system | lot | 3.99 |
| 48 | Cable(FO cable,Power cable & Signal cable) and Cable Trays | 1 Lot | 10.00 |
| 49 | Power supply module/SMPS | 1 Lot | 0.67 |
| 50 | Controller / indicator / Paperless Recorder of control system | 1 Lot | 6.00 |
| 51 | Field Measuring instruments (LG/LT/PT/TC/PG), Gas Detectors and its spares | Lumpsum | 14.00 |

Procurement Plan for Heavy Water Board for FY 2028-29

| Sn No | Item Description | Quantity | Total Estimated cost (Rs. In Lakh) |
|------------------|--|------------|------------------------------------|
| 52 | CCTV Spares (Bullet Camera, PTZ camera, POE Switch etc) and TV Screens | Lumpsum | 3.50 |
| 53 | Spare for test equipments & tools tackle | 1 Lot | 3.50 |
| 54 | Pneumatic instrument(Control valve & Actuator) and SOVs and spares | 1 Lot | 4.50 |
| 55 | FAS and PA system equipments and spares | 1 Lot | 2.25 |
| 56 | Access Control System Spares | 1 Lot | 3.00 |
| 57 | Miscellaneous Instrumentation Purchase | 1 Lot | 3.00 |
| 58 | DCS spares | | 50.00 |
| 59 | Fisher V automat LT Heads | | 20.00 |
| 60 | CONTROL VALVES POSITIONERS & SPARES(ALL VALVES) | | 6.55 |
| 61 | MISC. INSTRUMENTS / SPARES FOR MAIN PLANTS | | 13.11 |
| 62 | SAFETY VALVES (17 UNIT) New | | 20.00 |
| 63 | New Control valves | | 10.00 |
| Chemicals | | | |
| 1 | Hydrochloric Acid | 2475 MT | 30.32 |
| 2 | Caustic Soda, Lye | 720 MT | 355.72 |
| 3 | Caustic Soda, Flakes | 100 MT | 55.28 |
| 4 | Sulphuric Acid | 100 MT | 13.45 |
| 5 | Sodium Hydrogen Sulphide (NaHS) Solution* | 96 MT | 116.81 |
| 6 | Sodium Sulphide, Flakes* | 85 MT | 106.40 |
| 7 | Turbinol 46 | 6300 Ltrs | 14.04 |
| 8 | Hydrated Lime | 100 MT | 10.33 |
| 9 | Liq. Petroleum Gas | 120 MT | 110.11 |
| 10 | Poly-Aluminium Chloride | 12 MT | 2.63 |
| 11 | Monoethanolamine (MEA) | 1260 Kgs | 2.42 |
| 12 | Bleaching Powder | 15 MT | 3.93 |
| 13 | Liquid Chlorine | 21.6 MT | 3.97 |
| 14 | Activated Carbon | 34250 Kgs | 43.98 |
| 15 | Resin-SAC (for CX) Gel | 36000 Ltrs | 45.03 |
| 16 | Resin-WAC (for CX) Gel | 33000 Ltrs | 85.28 |
| 17 | Resin-SBA Type II (for AX) Gel | 33660 Ltrs | 97.38 |
| 18 | POCI 3 | 42 Te | 50.74 |
| 19 | N- Butanol | 80 Te | 91.44 |
| 20 | Na ₂ CO ₃ (Soda Ash) | 54 Te | 19.93 |
| 21 | Acetone | 2000 Ltr | 2.31 |
| 22 | Calcium Carbonate | 1000 Kg | 0.42 |
| 23 | HF | 25 Kg | 0.81 |
| 24 | Oleum | 50 Kg | 3.89 |
| 25 | H ₂ SO ₄ | 100 Ltr | 0.39 |
| 26 | Ferric Chloride | 8000 Kg | 6.96 |
| 27 | Precoat Powder | 6000 Kg | 4.95 |
| 28 | Sodium Hydroxide | 10 Te | 7.70 |
| 29 | HCl | 24 Te | 2.40 |
| 30 | ETP Sludge | 20 Te | 3.75 |
| 31 | LDO | 60 KL | 63.36 |
| 32 | Freon-22 | 305 Kg | 1.84 |
| 33 | R-404a | 270 Kg | 2.29 |
| 34 | 134a | 310 Kg | 1.60 |
| 35 | HDPE Drum | 300 No | 6.05 |
| 36 | Oil & Lubricant | 630 Ltr | 18.35 |
| 37 | Oil & Lubricant for BEXD | 420 Ltr | 0.66 |
| 38 | Glycol | 500 Kg | 1.65 |
| 39 | AOD Pump/ Dosing pump | 4 No | 2.00 |
| 40 | Hose Pipe | 1 Lot | 0.63 |

Procurement Plan for Heavy Water Board for FY 2028-29

| Sn No | Item Description | Quantity | Total Estimated cost (Rs. In Lakh) |
|--------------|--|----------|------------------------------------|
| 41 | PTFE/ Tygon Tube | 1 Lot | 1.47 |
| 42 | Miscellaneous operational tools | 1 set | 5.00 |
| 43 | POCl 3 | 42 Te | 74.28 |
| 44 | N- Butanol | 80 Te | 133.88 |
| 45 | Na2CO3 (Soda Ash) | 54 Te | 29.17 |
| 46 | BF3 Complex | 11000 Kg | 102.49 |
| 47 | Potassium Fluoride (KF) | 1000 Kg | 4.90 |
| 48 | Acetone | 2000 Ltr | 3.38 |
| 49 | Calcium Carbonate | 4000 Kg | 2.46 |
| 50 | HF | 75 Kg | 3.54 |
| 51 | Oleum | 450 Kg | 51.31 |
| 52 | H2SO4 | 300 Ltr | 1.70 |
| 53 | Ferric Chloride | 8000 Kg | 10.19 |
| 54 | Precoat Powder | 6000 Kg | 7.25 |
| 55 | Sodium Hydroxide | 10 Te | 11.27 |
| 56 | HCl | 24 Te | 3.51 |
| 57 | ETP Sludge | 20 Te | 5.50 |
| 58 | LDO | 60 KL | 92.77 |
| 59 | Freon-22 | 305 Kg | 2.69 |
| 60 | R-404a | 270 Kg | 3.36 |
| 61 | 134a | 310 Kg | 2.34 |
| 62 | HDPE Drum | 300 No | 8.86 |
| 63 | Oil & Lubricant | 630 Ltr | 26.86 |
| 64 | Oil & Lubricant for BEXD | 420 Ltr | 0.96 |
| 65 | Glycol | 500 Kg | 2.42 |
| 66 | AOD Pump/ Dosing pump | 4 No | 2.93 |
| 67 | Hose Pipe | 1 Lot | 0.92 |
| 68 | PTFE/ Tygon Tube | 1 Lot | 2.15 |
| 69 | Miscellaneous operational tools | 1 Set | 7.32 |
| 70 | Potassium Fluoride | 20.25 MT | 244.50 |
| 71 | Calcium Carbide | 16 MT | 178.27 |
| 72 | Light Liquid Paraffin Oil | 10.5 KL | 17.92 |
| 73 | Slate Paraffin Wax | 2 MT | 3.11 |
| 74 | Inert Gas | 700 m3 | 0.76 |
| 75 | Refractory Items | 1 Lot | 14.64 |
| 76 | Asbestos Gasket | 465 Nos | 1.26 |
| 77 | Ceramic Rope | 100 Kg | 0.73 |
| 78 | LDPE Bags | 100 Kg | 0.37 |
| 79 | Soft Rubber Cord | 700 m | 0.73 |
| 80 | Cotton Bags | 700 Nos | 3.51 |
| 81 | Cotton Markin Cloth | 200 m | 0.37 |
| 82 | Paint Brushes | 100 Nos | 0.15 |
| 83 | Lock Pins | 700 Nos | 1.10 |
| 84 | Tag for Drums | 700 Nos | 0.15 |
| 85 | Miscellaneous operational tools for Potassium plant | 1 Set | 14.64 |
| 86 | Lubricating Oils | | 61.00 |
| 87 | Hexane | | 7.00 |
| 88 | Alumina balls, Silica Gel, Activated Carbon | | 10.00 |
| Civil | | | |
| 1 | Chairs | 35 Nos | 3.00 |
| 2 | Synthetic resin adhesive for wood and joinry work like Fevicol | 30 Liter | 0.36 |
| 3 | Glass Putti adhesive | 5 Kg | 0.12 |
| 4 | Shade Nets for agriculture and horticulture purpose | 250 sqm | 0.36 |
| 5 | 6 mm, 9mm, 12mm, 19mm thick ply wood | 1800 Sqf | 1.40 |
| 6 | 20 mm, 35 mm and 50 mm wooden screw | 30 kg | 0.55 |

Procurement Plan for Heavy Water Board for FY 2028-29

| Sn No | Item Description | Quantity | Total Estimated cost (Rs. In Lakh) |
|-------|--|-----------|------------------------------------|
| 7 | Door closer | 24 No. | 0.36 |
| 8 | Door stopper | 100 No. | 0.12 |
| 9 | Hasps and staples 75 & 100mm | 100 No. | 0.12 |
| 10 | Silicone sealant | 60 No. | 0.36 |
| 11 | Aluminium alloy door handles | 200 Piece | 0.19 |
| 12 | Pinewood staging planks | 10 Pieces | 0.36 |
| 13 | Malathion, chlorpyrifos | 20 Ltr | 0.50 |
| 14 | Acrylic Sheet 8'x4' | 5 Nos | 0.50 |
| 15 | Ordinary Portland Cement grade 43, conforming to IS: 269-2015 in 50 Kg HDPE Bags. | 225 kg | 1.40 |
| 16 | Bricks | 5000 No. | 0.73 |
| 17 | Coarse aggregate of nominal size of 20 mm & 10 mm | 40 m3 | 0.97 |
| 18 | Tile cutter Blade | 20 No. | 0.07 |
| 19 | Tarpaulins(25x50 sqft) | 20 Pieces | 1.21 |
| 20 | Free flow, high strength, non-shrink, cementitious precision grout, ready mix dry powder | 350 kg | 0.36 |
| 21 | Synthetic enamel paint of colour Black, Green, Oxford Blue, White, Signal Red, Smoke grey | 180 Ltr | 1.21 |
| 22 | Aluminium metallic paint | 40 Ltr | 0.31 |
| 23 | Turpentine oil | 50 Liter | 0.24 |
| 24 | Emery papers | 400 Piece | 0.12 |
| 25 | Liquid Varnishes | 50 liter | 0.19 |
| 26 | Epoxy compound for sealing joints in plumbing like M Seal | 50 Kg | 0.41 |
| 27 | 15 mm Bib, Pillar Taps | 100 No. | 1.35 |
| 28 | 15 & 20 mm gate valve | 80 No. | 0.81 |
| 29 | 15 mm stop cock | 50 No. | 0.34 |
| 30 | PVC Connection tube 450mm | 200 No. | 0.13 |
| 31 | Bathroom hand shower | 100 No. | 0.34 |
| 32 | 15mm float valve | 50 No. | 0.28 |
| 33 | Waste coupling 32 mm | 50 No. | 0.11 |
| 34 | HDPE flushing cistern of capacity 10 Litres | 20 No. | 0.21 |
| 35 | Medium class galvanized steel pipe of 15 mm, 20 mm & 25 mm | 270 meter | 1.01 |
| 36 | Liquid soap dispenser | 50 No. | 0.32 |
| 37 | Toilet mirror | 12 No. | 0.24 |
| 38 | GI fittings like elbow, socket, nipples, reducers, Tee, Union etc. of 15mm, 20mm, 25mm, 32mm, 40mm, 50mm, 75mm & 100mm sizes | 1000 No. | 0.68 |
| 39 | PVC pipes | 30 Piece | 0.31 |
| 40 | PVC fittings like Bend, sockets, Tee | 50 Piece | 0.26 |
| 41 | OWC | 12 Pieces | 0.50 |
| 42 | EWC | 12 Pieces | 0.50 |
| 43 | Welding Electrodes E-6013, 3.15 mm dia and 350 mm length | 2500 No. | 0.32 |
| 44 | Weld mesh fabric | 3 Roll | 0.34 |
| 45 | Chainlink fencing | 200 kg | 0.34 |
| 46 | Various Plumbing items for colony and plant | 1 lot | 5.00 |
| 47 | Various carpentry items for colony and plant | 1 lot | 5.00 |
| 48 | Open Gym items Installation at colony | 1 lot | 2.50 |
| 49 | Various Plumbing items for colony and plant | 1 lot | 5.00 |
| 50 | Various carpentry items for colony and plant | 1 lot | 5.00 |
| 51 | Open Gym items Installation at colony | 1 lot | 2.50 |
| 52 | Miscellaneous civil Sanitary & tiling Items | 1 lot | 5.00 |
| 53 | Plumbing related items | Lot | 1.30 |

Procurement Plan for Heavy Water Board for FY 2028-29

| Sn No | Item Description | Quantity | Total Estimated cost (Rs. In Lakh) |
|---------------|---|--------------|------------------------------------|
| Stores | | | |
| 1 | DUSTER CHECK LINE | 2000 | 0.30 |
| 2 | DUSTER ROUGH | 500 | 0.10 |
| 3 | SOAP LIQUID | 500 Ltrs | 0.66 |
| 4 | Protective Clothing(SHIRTING) for Gents-(4 PAIR ONCE IN 2 YEARS) | 3049 Mtrs. | 9.22 |
| 5 | Protective Clothing(SHUITING) for Gents-(4 PAIR ONCE IN 2 YEARS) | 1622.8 Mtrs. | 6.87 |
| 6 | Ladies Protective Clothing-SAREE (4 PAIR ONCE IN 2 YEARS) | 13 Sets | 0.18 |
| 7 | Ladies Protective Clothing-SALWAR KAMEEZ-(4 PAIR ONCE IN 2 YEARS) | 75 Sets | 1.03 |
| 8 | Safety Shoes for Technical Employees (ONCE IN TWO YEARS) | 244 Pairs | 5.78 |
| 9 | Leather Chapal/Sandal (ONCE IN TWO YEARS) | 22 Pairs | 0.20 |
| 10 | SOCKS GENTS- 2 PAIRS EVERY YEAR | 900 Pairs | 0.99 |
| 11 | Boot Polish-1 tin (20gm) Once in 2 months or 40 gm once in 4th months | 1400 | 0.51 |
| 12 | Towel | 425 | 1.42 |
| 13 | Napkin | 1700 | 1.49 |
| 14 | Woolen Jersey -Once in 4 Years | 338 | 5.31 |
| 15 | Soap- Monthly | 5000 | 2.93 |
| 16 | Ball Point Pen - Once in a month for Admn. Accts & DPS Staff and once in 2 month for all others | 5000 | 1.46 |
| 17 | Leather Shoes - (ONCE IN TWO YEARS) | 43 Pairs | 0.74 |
| 18 | CELL TORCH (TORCH CELL) | 800 | 0.32 |
| 19 | COTTON RAGS | 2500 Kgs | 4.23 |
| 20 | WATER JUG | 125 | 0.20 |
| 21 | LEAD SEAL | 20 Kgs | 0.12 |
| 22 | LOCK NAVTAL 5 LEVER | 50 | 0.15 |
| 23 | LOCK NAVTAL 6 LEVER | 50 | 0.22 |
| 24 | LOCK NAVTAL 7 LEVER | 20 | 1.43 |
| 25 | ROPE MANILA 1/2" DIA | 250 Kgs | 0.42 |
| 26 | ROPE MANILA 3/4" DIA | 350 Kgs | 0.44 |
| 27 | ROPE NYLON GRAD1, 1/2" DIA | 50 Kgs | 0.10 |
| 28 | TARPAULINE HDPE 10 X 10 MTR. | 10 | 0.77 |
| 29 | TARPAULINE HDPE 15 X 15 MTR. | 5 | 0.83 |
| 30 | TARPAULINE HDPE 4 X 4 MTR. | 10 | 0.13 |
| 31 | WIRE SEALING | 20 Kgs | 0.10 |
| 32 | TUMBLER GLASS | 500 | 0.23 |
| 33 | BOOK DUPLICATE | 100 | 0.11 |
| 34 | BOOK FIELD | 1000 | 0.35 |
| 35 | BOOK PEON | 200 | 0.31 |
| 36 | ENVELOPE SE8A | 1500 | 0.10 |
| 37 | PENCIL ORIDINARY | 250 | 0.11 |
| 38 | FILE BOX TYPE | 350 | 0.47 |
| 39 | FILE MARBLE | 1500 | 0.44 |
| 40 | FILE MARBLE PLASTIC COATED | 1000 | 0.35 |
| 41 | FOLDER BROWN | 4000 | 0.81 |
| 42 | FOLDER WITH FLAP | 750 | 0.12 |
| 43 | FOLDER YELLOW | 3000 | 0.13 |
| 44 | NOTE BOOK | 350 | 0.42 |
| 45 | NOTING SHEET | 500 | 0.34 |
| 46 | PAD CONFERENCE | 200 | 0.19 |
| 47 | PUNCH DOUBLE HOLE | 150 | 0.17 |

Procurement Plan for Heavy Water Board for FY 2028-29

| Sn No | Item Description | Quantity | Total Estimated cost (Rs. In Lakh) |
|---------------------------------|---|--------------|------------------------------------|
| 48 | REGISTER ATTENDENCE | 100 | 0.11 |
| 49 | REGISTER RULED 1 QR. | 200 | 0.13 |
| 50 | REGISTER RULED 2 QR. | 200 | 0.36 |
| 51 | REGISTER RULED 3 QR. | 200 | 0.47 |
| 52 | REGISTER RULED 4 QR. | 150 | 0.31 |
| 53 | REGISTER RULED 6 QR. | 50 | 0.11 |
| 54 | Dustbin 15 Ltrs. Capacity | 30 | 0.13 |
| 55 | Dustbin 10 Ltrs. Capacity | 30 | 0.15 |
| 56 | Umbrella | 30 | 0.31 |
| 57 | Cotton Yarn Tag | 2000 Bundles | 0.29 |
| 58 | ANNUAL MAINTAINANCE CONTRACT FOR WEIGHING SCALES AND WEIGH BRIDGES | 1 | 2.45 |
| 59 | Procurment of Socks | 200 no. | 0.5 |
| 60 | Procurment of Shoe Polish | 200 no. | 0.5 |
| 61 | Procurment of Towel | 200 no. | 0.75 |
| 62 | Procurment of Napkin | 200 no. | 1 |
| 63 | Procurment of Soap | 200 no. | 1.5 |
| 64 | Procurment of S.S. Glass | 200 no. | 0.15 |
| 65 | Procurment of Ball Point Pen | 200 no. | 0.65 |
| 66 | Misc. purchase | Lot | 2.00 |
| 67 | COMMON STOCK ITEMS PROCURED BY STORES LIKE, STATIONERY, GENERAL, CLEANING, GASES ETC. | | 8.65 |
| 68 | TRANSPORTATION OF TRI BUTYLE PHOSPHATE FROM HWBF-V TO OTHER DAE UNITS IN INDIA FOR PERIOD OF ONE YEAR (Locations:-NFC-Hyderabad, NFC-Kota, NFC-Pazhayakal, HWB-Mumbai) | | 53.24 |
| Safety & Environment | | | |
| 1 | Luxfer make BA cylinder 9.0 and 2.0 ltr (Nos.) | various | 30.00 |
| 2 | BA set spares for 2.0 ltr and 9.0 ltr (Nos.) | various | 15.00 |
| 3 | Canister face mask (Nos.) | 200 | 10.00 |
| 4 | Monitors and sensors- SO2, H2S, Noise level, O2 etc (Nos.) | various | 6.00 |
| 5 | Batteries for various monitors (Nos.) | various | 1.70 |
| 6 | Reel Photo-chromatography Paper (Nos.) | 100 | 3.00 |
| 7 | Breathing Air detection tubes suitable for M/s MSA make high pressure breathing air analyzer" (Set) | 4 Sets | 1.50 |
| 8 | Procurement of calibration gasses (Nos.) | various | 0.70 |
| 9 | Industrial Personal Protective equipments (Nos.) | various | 15.00 |
| 10 | LSA spares (Nos.) | various | 8.00 |
| 11 | Printing of log sheets etc. (Nos.) | various | 2.00 |
| 12 | Hand gloves(Cotton, Nitril) | 400 | 2.00 |
| 13 | Face Shield (Mask, Goggle, Dust Mask) | 1Lot | 0.50 |
| 14 | Safety Shoes | 100 | 2.00 |
| 15 | Safety Shower | 5 | 1.00 |
| 16 | Miscellaneous Safety PPE | 1 Lot | 2.00 |
| 17 | New Environmental Monitor | 2 | 1.00 |
| 18 | New BA Sets | 12 | 12.00 |
| 19 | Spares of BA Sets | 1 Lot | 2.00 |
| 20 | Procurement for Promotional Activities | 1Lot | 2.50 |
| 21 | Procurment of Safety Memento | 150 | 1.50 |
| 22 | Fume Exahuster | 4 | 3.70 |
| 23 | Hand gloves(Cotton, Nitril) | 400 | 3.00 |
| 24 | Face Shield (Mask, Goggle, Dust Mask) | 1Lot | 0.70 |
| 25 | Safety Shoes | 100 | 3.00 |

Procurement Plan for Heavy Water Board for FY 2028-29

| Sn No | Item Description | Quantity | Total Estimated cost (Rs. In Lakh) |
|---------------------|--|--------------------|------------------------------------|
| 26 | Miscellaneous Safety PPE | 1 Lot | 3.00 |
| 27 | New Environmental Monitor | 3 | 3.00 |
| 28 | New BA Sets | 10 | 14.00 |
| 29 | Procurement for Promotional Activities | 1Lot | 3.60 |
| 30 | Procurement of Safety Momento | 150 | 1.81 |
| 31 | Hand gloves(kevlar) | 300 | 5.00 |
| 32 | Hand gloves(Cotton,PVC) | 1Lot | 0.70 |
| 33 | Safety Shoes | 0 | 3.00 |
| 34 | Face Shield (Mask, Goggle, Dust Mask) | 1Lot | 0.70 |
| 35 | Miscellaneous Safety PPE | 1 Lot | 3.00 |
| 36 | Procurement for Promotional Activities | 1Lot | 2.00 |
| 37 | Procurement of Safety Momento | 215 | 2.50 |
| Stationaries | | | |
| 1 | A-4 Size Zerox Paper | 600 Reams | 2.46 |
| 2 | Drawing office spares | As per Requirement | 0.59 |
| 3 | Stationary Items | As per Requirement | 0.29 |
| 4 | Miscellaneous | As per Requirement | 0.29 |
| Fire | | | |
| 1 | Non-Percolating Flexible Fire Fighting Delivery Hose | 100 Nos. | 5.00 |

Procurement Plan for Heavy Water Board for FY 2028-29

| Sn No | Item Description | Quantity | Total Estimated cost (Rs. In Lakh) |
|---------------------|---|-----------|------------------------------------|
| 2 | Fire Extinguishers | 100 Nos. | 3.00 |
| 3 | AFFF Foam | 3000 ltr. | 1.00 |
| 4 | Miscellaneous Hose Fittings Like Adoptors, Breachings & Branches | 50 Nos. | 2.00 |
| 5 | Battery for Holmatro make Combi Tool | 2 Nos. | 3.00 |
| 6 | CO2 Fire Extinguisher | 85 | 6.50 |
| 7 | DCP Fire Extinguisher | 30 | 1.00 |
| 8 | Foam Fire Extinguisher | 30 | 3.00 |
| 9 | Clean Agent | 10 | 2.00 |
| 10 | Spare Parts of Extinguisher | 1Lot | 1.00 |
| 11 | Fire Fighting Suit | 10 | 0.50 |
| 12 | Extinguisher Cartraige | 30 | 0.60 |
| 13 | AFFF Foam | 10 | 0.20 |
| 14 | Fire Bucket | 50 | 1.00 |
| 15 | Procurment for Fire Day | 50 | 0.30 |
| 16 | BA Set Compressor | 1 | 6.00 |
| 17 | Spare Parts of Extinguisher | 1Lot | 1.40 |
| 18 | Hose | 20 | 1.30 |
| 19 | Extinguisher Cartraige | 30 | 0.90 |
| 20 | Ladder | 2 | 1.20 |
| 21 | Fire Equipments(Stainer, Branches,Landing Valve e.t.c) | 1 Lot | 3.60 |
| 22 | Procurment for Fire Day | 50 | 0.50 |
| 23 | Purchase of fire chemical Powder | 500 kg | 2 |
| 24 | Purchase of fire chemical (Foam) | 500 kg | 2 |
| 25 | Replacement of fire fighting equipments | Lot | 2 |
| 26 | Uniform Items of Fire section | Lot | 2.3 |
| 27 | Items for public outreach | Lot | 1.32 |
| Security | | | |
| 1 | Stationary Items | 1 Lot | 1.5 |
| 2 | Security Gadgets | 1 Lot | 7.5 |
| 3 | Miscelleneous | 1 Lot | 0.9 |
| IT Equipment | | | |
| 1 | IT consumables | 2 lot | 2.66 |
| 2 | IT spare | 1 lot | 2.00 |
| 3 | Computer Hardwares & peripherals | 1 lot | 5.99 |
| 4 | Server and Rack | 1 No. | 5.99 |
| 5 | Networking hardwares including cables | 1 lot | 2.00 |
| 6 | Secutiry surveillance equipment spares (Includes camera,PoE switch media converter,storage and display) | 1 lot | 2.66 |
| 7 | Software(OS and Application) | | 2.00 |
| 8 | Testing and Tools & takel | Lumpsum | 0.40 |
| 9 | Maintenance of IT equipments | | 16.11 |
| 10 | IT consumables (Lan Cables, Connectors etc) | 1 lot | 1.50 |
| 11 | IT spares and Miscellneous items (eg: keyboard, Mouse, Speakers, webcam etc) | 1 lot | 3.00 |
| 12 | Desktop Computer and Printers | 1 lot | 4.00 |
| 13 | Servers | 1 No. | 6.00 |
| 14 | Networking hardwares, Switches, Server Rack including cables | 1 lot | 2.00 |
| 15 | Media converter,storage device (SSD, RAM and HDDs) | 1 lot | 2.25 |
| 16 | Software(OS and Antivirus Application License) | 1 lot | 2.00 |
| 17 | Testing and Tools & tackels | Lumpsum | 1.00 |
| Total | | | 8183.90 |