

Summary -3 years projection

Name of the organisation:	Central Mines Planning and Design Institute Limited(CMPDI)
Website Link:	www.cmpdi.co.in
e-mail ID:	bodmm.cmpdi@coalindia.in
Ministry/Department	Ministry of Coal/Coal India Ltd.

FINANCIAL YEAR-2025-26

Sr No.	Description	Broad specification parameters	Quantity	Accounting Unit	Total Estimated Value of procurement (in lakhs)
1	Hydrostatic Drill with Mud Pump and Derrick with 5Year CAMC	Requirement of Hydrostatic Drill of different Categories With Mud Pump and Derrick with 5 Year of CAMC	5	Number	1000.00
2	Trucks	4-Wheel Drive Tata Truck SA1218 Latest BS Norms	8	Number	300.00
3	Drilling Accessories	Drilling Accessories like rod,casing, core barrel,bits etc		Number	1570.00
4	Visual Modflow Flex	Groundwater flow and contaminant transport Modelling software), Make- Waterloo Hydrogeologic Canada	5	Number	50.00
5	2D Seismic Data Processing & Interpretation Software	All required modules for seismic data processing & Interpretation	1	Number	500.00
6	Gas chromatography mass spectrometry (MS/MS) with Thermal Desorption (GC MS/MS with TD)	The equipment shall be suitable for analysis of benzene & benzopyrine in ambient air samples. Detailed specification shall be fixed at time of purchase	1	Number	138.00
7	Microwave digestion System	Microwave digestion system should be capable of digesting powdered rock, soil, system should have 15 or more vessels, Microwave power should be \geq 1900W	1	Number	30.00
8	Ultra water purrification system	The system shall be comprised of a single water purification unit containing RO, DI, UV with final P.O.U filtration. Should be able to draw Type I , Type II , Type III water too from the same system	1	Number	25.00
9	Point Counter for microscopes	Point counting system for maceral analysis along with one PC (64 Bit) and Software	1	Number	10.00
10	TLS	Long range	3	Number	873.00
11	DGPS	With Subscription service	3	Number	135.00
12	ETS	Reflectorless	11	Number	273.00
13	Unmanned Surface Vessel/ Boat for Bathymetric Survey	Remotely operated Boat with Bathymetric Sensor, GPS, Software	1	Number	55.00
14	Ventsim Software (Additional license)	Ventsim Software (Additional license)	1	Number	15.00
15	Software (CAD based)	Software (CAD based) for underground mine	1	Number	4.90
16	PumpSim	PumpSim	1	Number	4.00
17	Diesel particulate monitor	Diesel particulate monitor	1	Number	12.00
18	Microgas Detector	Microgas Detector with telescopic probe	1	Number	3.50
19	Photocopier	Heavy Duty Photocopier	1	Number	4.90
20	Thickness Guage	Ultrasonic Thickness Guage	2	Number	4.20
21	Flaw Detector	Ultrasonic Flaw Detector	1	Number	10.50
22	Ultraviolet Torch	Ultraviolet Torch	2	Number	3.10
23	Steel Wire Rope Testing Machine	(Range : from 40-90 MM Rope)	1	Number	62.50
24	Rock Eval Pyrolyser	Rock Eval Pyrolyser	1	Number	400.00
25	Surface area & Pore volume Analyzer	Surface area & Pore volume Analyzer	1	Number	45.00
26	Desorption Canisters	25 nos. Desorption Canisters with Air/water Bath & gas volume measurement apparatus & data	25	Number	150.00
27	Gas Sampling Tedlar Bags with pumps	Gas Sampling Tedlar Bags with pumps	100	Number	1.60
28	Gas cylinders with regulators and connection pipes	Gas cylinders with regulators and connection pipes (industrial Air)	5	Number	2.50
29	Gas cylinders with regulators and connection pipes	Gas cylinders with regulators and connection pipes(Nitrogen)	2	Number	1.00

30	Gas cylinders with regulators and connection pipes	Gas cylinders with regulators and connection pipes (Zero Air)	5	Number	2.50
31	Pulverizer	Pulverizer for Shale samples	1	Number	3.00
32	Room heater	Room heater	10	Number	2.00
33	Weighing Balance	Weighing Balance	2	Number	6.00
34	Moisture Oven	Moisture Oven	1	Number	5.00
35	Wide Format Plotter	Wide Format Plotter	1	Number	5.00
36	Cabinet dryer /oven with steel tray/ shelf	Upto 250°C	2	Number	7.00
37	Wet Sieve Shaker Machine (with sieves)	1/5 HP, sieve dia 200mm, min 04 sieves	1	Number	4.50
38	Digital Balance	300kg and 10Kg with digital display, tare facility	2	Number	0.30
39	Analytical Balance	220 gm, digital display, resolution 0.1gm, tare facility	4	Number	4.00
40	Platform trolley	Load Capacity 500-600 Kg with nylon caster	2	Number	0.40
41	Spares ,components,Sub-Assemblies related to lab equipments/ Geotechnical,Mining, survey and system softwares etc.	Spares ,components,Sub-Assemblies related to lab equipments/Geotechnical,Mining, survey and system softwares etc.	(As and when required)	Number	276.60
					6000.00

FINANCIAL YEAR-2026-27

Sr No.	Description	Broad specification parameters	Quantity	Accounting Unit	Total Estimated Value of procurement (in lakhs)
1	Hydrostatic Drill with Mud Pump and Derrick with 5 Year CAMC	Requirement of Hydrostatic Drill of different Categories With Mud Pump and Drrick with 5	5	Number	1000.00
2	Trucks	4-Wheel Drive Tata Truck SA1218 Latest BS Norms	5	Number	200.00
3	Drilling Accessories	Drilling Accessories like rod,casing, core barrel,bits etc		Number	1650.00
4	GMS	Groundwater Modelling Software	1	Number	10.00
5	Current Meter	Surface Water flow detection stream Guaging	1	Number	1.50
6	Water Detector	Underground water Detector,Depth Rang-1200m Water Underground depth,water density,salinity and type	1	Number	5.00
7	Atomic Absorption Spectrometer	The equipment shall be suitable for analysis of trace metals in Air/Water samples. Detailed specification shall be fixed at time of purchase	1	Number	80.00
8	AFTR Instrument	Capable of reaching 1500°C, Capable to determine Ash Fusibility in Oxidative/Reducing/ neutral environment	1	Number	50.00
9	Acid purification system	Capable to purify acid used for didetion of sample such as soil, coal, shale, ore to ultra pure level	1	Number	25.00
10	Hardgrove grindibility Analysr machine	Capable to determine grindibility of Coal, ore, etc	1	Number	7.00
11	Advanced LED Polarising Microscope	Advanced LED Polarising Microscope along with Image analysis camera, Metal Halide Fluorescence, Point Counting System, Photometer and two numbers of 64 bit advanced Workstation along with appropriate software	1	Number	150.00
12	TLS	Long range	4	Sets	1200.00
13	DGPS	With subscription service	3		150.00
14	ETS	Reflectorless	7		210.00
15	Software (CAD based)	Software (CAD based) for underground mine	1	Number	4.90
16	Carlson Software (Civil suit)	Carlson Software (Civil suit)	1	Number	2.50
17	Heat stress monitor	Heat stress monitor	1	Number	8.00
18	Methanometer	Methanometer	2	Number	3.00
19	Plotter	Plotter	1	Number	4.90
20	Smart TV	Smart TV 65 inch	1	Number	1.50
21	Drinking water purifier	Drinking water purifier	1	Number	0.30

22	Vibration Analyser	Vibration Analyser	1	Number	13.50
23	Ultraviolet Torch	Ultraviolet Torch	2	Number	3.20
24	ToC Analyzer	ToC Analyzer	1	Number	54.00
25	Porosi and Permeameter	Porosi and Permeameter	1	Number	250.00
26	Gas measuring device	Residual gas measuring device	2	Number	1.00
27	Gas cylinders with regulators and connection pipes (Methane)	Gas cylinders with regulators and connection pipes (Methane)	1	Number	0.80
28	Gas cylinders with regulators and connection pipes (Oxygen)	Gas cylinders with regulators and connection pipes (Oxygen)	2	Number	1.00
29	Gas cylinders with regulators and connection pipes (Helium)	Gas cylinders with regulators and connection pipes (Helium)	1	Number	1.00
30	Video Conference System	Video Conference System	1	Number	8.50
31	Fully automatic TGA (replacement)	for proximate analysis, furnace temp. 1000°C (max.)	1	Number	45.00
32	HGI Sample preparation machine	For feed size preparation to HGI machine	1	Number	5.00
33	Spares ,components,Sub-Assemblies related to lab equipments/Geotechnical,Mining, survey and system softwares etc.	Spares ,components,Sub-Assemblies related to lab equipments/Geotechnical,Mining, survey and system softwares etc.	(As and when required)	Number	853.40
					6000.00

FINANCIAL YEAR-2027-28

Sr No.	Description	Broad specification parameters	Quantity	Accounting Unit	Total Estimated Value of procurement (in lakhs)
1	Hydrostatic Drill with Mud Pump and Derrick with 5 Year CAMC	Requirement of Hydrostatic Drill of different Categories With Mud Pump and Derrick with 5 Year of CAMC	5	Number	1000.00
2	Drilling Accessories	Drilling Accessories like rod,casing, core barrel,bits etc		Number	1730.00
3	Current Meter	Surface water flow detection stream Guaging	1	Number	1.50
4	Ultra Sonic Flow Meter	water flow detection	1	Number	2.00
5	Mercury Analyser for Ambient Air	The equipment shall be suitable for analysis of mercury in ambient air. Detailed specification shall be fixed at time of purchase	1	Number	100.00
6	100 KVA with battery	For power backup to lab equipments	1	Number	20.00
7	Scanning Electron Microscope(SEM) and Energy Dispersive X-ray Spectroscopy (EDS)	Scanning Electron Microscope(SEM) and Energy Dispersive X-ray Spectroscopy (EDS)	1	Number	250.00
8	Drone/ UAV	With suitable Sensor	4	Set	240.00
9	Drone/UAV with Video payload	Drone with video payload	2	Number	70.00
10	Workstations	High-end	10	Number	100.00
11	Microgas Detector with telescopic probe	Microgas Detector with telescopic probe	1	Number	3.50
12	Nox Detector	Nox Detector	1	Number	2.50
13	Electromagnetic Hand Yoke	Electromagnetic Hand Yoke(Battery Operated)	2	Number	1.20
14	Ultrasonic Thickness Guage	Ultrasonic Thickness Guage	1	Number	2.80
15	Digital Camera	Digital Camera	1	Number	1.00
16	Colour Printer (A3)	Colour Printer (A3)	2	Number	10.00
17	Black & White Printer	Black & White Printer	6	Number	5.00
18	PC	PC	1	Number	2.00
19	Muffle Furnace	Ceramic muffle with thick insulation, Max. operating Temp.- 1100°C, PID controlled.	2	Number	12.00
20	Humidity Chamber	With 6-8 number of vacuum desiccators capable of incubating coal at 60%RH and 40°C	2	Number	7.00
21	DRC (toothed roll crusher)	5 HP, feed rate 1000kg/hr, feed size: 200mm/ product size: 50mm	2	Number	12.00

22	Spares ,components,Sub-Assemblies related to lab equipments/Geotechnical,Mining, survey and system softwares etc.	Spares ,components,Sub-Assemblies related to lab equipments/Geotechnical,Mining, survey and system softwares etc.	(As and when required)	Number	927.50
					4500.00