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AGENDA ITEM NO.49.6: ACTION PLAN FOR THE YEAR 2022-23(TO BE IMPLEMENTED OVER A PERIOD OF TWO YEARS I.E., 2022-23 AND 2023-2024).

ACTION PLAN FOR THE YEAR 2022-23(TO BE IMPLEMENTED OVER A PERIOD OF TWO YEARS I.E. 2022-23 AND 2023-2024).

(Rs. In Lac)					Payback period in years
Sl. No.	Description	Qty.	Tentative Cost	Usage/Justification	
A.	Chemical Testing Machine at PPDC MEERUT				5
1	ICP-OES with latest technology, microwave digestion techniques and accessories.	1	150.00	<p>ICP - OES (Inductively Coupled Plasma optical emission spectrometry) analysis provides fast identification and detection of trace metals content in chemical and petroleum samples. ICP instruments are of detection and measurement of trace and ultra-trace metals, Heavy Metal Testing in Sports Goods, Textile, Leather, Metal & alloys Etc.</p> <p>Elemental analysis and testing include identification and quantification of elements in a sample, determination of the elemental composition, and trace level elements.</p> <p>A highly-skilled approach to elemental analysis is required that combines appropriate instrumentation with sample preparation and methodology that are most relevant to both the sample matrix and the aim of the study. To meet various industry challenges, the ability to work to relevant standards is essential.</p> <p>We apply our Total Quality Assurance expertise in elemental trace and ultra-trace analysis to parts per million (ppm), parts per billion (ppb) and parts per trillion (ppt) levels, using proven techniques for sample preparation and sample analysis. In particular, we have a great deal of experience in <u>trace metals analysis</u> and strengths in <u>inorganic analysis</u>.</p> <p>Support for the mandatory Chemical Safety Assessment (CSA) and <u>substance identification for REACH</u>. We have supported many chemical importers or manufacturers to meet the elemental analysis requirements of REACH.</p> <p>Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Cobalt, Copper, Chromium, Hexavalent Chromium, Gold, Iron, Lead (Pb), Lithium, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Palladium, Potassium, Platinum, Selenium, Silicon, Silver, Sodium, Tin, Titanium, Thallium, Vanadium, Zinc, And other metals and analytes the latest regulatory developments, design the most suitable, phase-appropriate, analytical package for your product. For 21CFR Part 210 and 211 to support the release of finished products, stability, reference standard certification and clinical trials support</p>	

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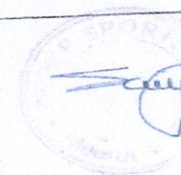
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2a	Count measuring computrizing system	-	5.00	For measuring counts of thread of Fabric/Garments/ sports textile items	5
2b	Laboratory Accessories	-	4.00	For Chemical /Mechanical testing as Glassware, Vernier calliper, Coating Thickness , water bath , etc.	NA
Total A			159.00		
B.	Packaging Material:				5
1	Box Compression Tester	1	9.00	To test the compressive strength of standard size corrugated box, or packages and containers made of other material with a compressive strength smaller than 100kN. With advanced mechanical structure of a pair of threaded shafts & guide pillars and imported motor for control, the testing machine has the following salient features: good parallelism, reliable measure precision and high return speed.	5
2	Crush Tester Machine For Corrugated Boxes with Puncture	1	16.00	To the test of Ring Crush Test (RCT), Edge Crush Test (ECT). Flat Crush Test (FCT), Pin Adhesion Test (PAT) and Concora Medium Test (CMT) Option Testing methods. for simulation when the clamp vehicle loading and unloading the package, the clamping force between two plywood impact on the package and goods, test and evaluate package's clamp strength	5
3	Gloss/Opacity meter	1	17.00	To measure the specular reflection (gloss) of a surface for coated paper & fabric and measuring the percentage opacity and whiteness of printing ink paper and plastics.	5
4.	Parker Print Surf Tester	1	35.00	To measures the surface roughness of. Fine paper, coated paper, coated board, linerboard, films and foils, printing, packaging, carton board	5
Total B			77.00		
c.	Sports Textile/ Sports Footwear Testing Equipments:				5
1	Maeser Flexing Machine	1	6.00	For Water penetration testing Sports Related Fabric	5
2	TGA with latest technology and accessories	1	52.00	To characterize materials by measuring their change in mass as a function of temperature and reverse engineering of plastic & rubber products.	5
3	Thickness Gauge	2	2.00	For Textile & Other material Like Leather, Paper etc.	5
4	Shock Absorption	1	20.00	to measure the dynamic shock absorption capability of Sports footwear and polymeric material materials	-
5	Laboratory Accessories	-	3.00	For Chemical testing purpose like as Beaker, Burette, flask, Vernier CalliperMicrometreetc.	-

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6	Reflectrometer	1	15.00	For the measurement of an index of refraction (refractometry)	5
7	FTIR with latest technology and accessories	1	55.00	To quickly and definitively identify compounds such as compounded plastics, blends, fillers, paints, rubbers, coatings, resins, and adhesives	5
8	pH meter	1	0.50	For pH value	5
9	Platinum Crucible	1	1.00	For ashing of the material	5
10	Nickel release m/c	1	8.00	For NI coating	5
11	Insole Flexing	1	6.00	For Sports shoe insole / other hard material flexing	5
12	Metatarsal Impact	1	8.00	For Rigid material /Polymeric material impact testing	5
13	Antiskid	1	4.0	For Fabric Skid property	
Total C			180.50		
D.	Miscellaneous				NA
1	Photocopier	1	3.50	For use of photocopy of Laboratory documents	NA
2.	Printer	2	0.60	For printing test reports and documents	NA
3.	Fume chamber	2	10.0	fume hood a type of local ventilation device that is designed to limit exposure to hazardous or toxic fumes, vapors or dusts	NA
Total D			14.10		
E	Civil Work & Electrical Work by CPWD				NA
	Remodelling of conference room covering of laboratory area and other miscellaneous work of PPDC, Meerut	1	35.39 Civil + 10.78 Electrical		
Total E			46.17		
Grand Total(A+B+C+D+E)			476.77		

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GC may kindly approve Action Plan for the year 2022-2023(to be implemented over a period of two years i.e., 2022-2023 and 2023-2024) for Rs. 476.77 Lac.