

GOVERNMENT OF THE PUNJAB
PLANNING AND DEVELOPMENT BOARD
(GOVERNANCE & IT SECTOR)

Date of receipt of Original PC-I in P&D Board: **18.11.2024**

WORKING PAPER FOR PDWP

PART-A

PROJECT PROFILE:

1.	Project Title	Replacement Of Old / Condemned Equipment Of PFSA (Phase-II)
2.	Location	Punjab Forensic Science Agency (PFSA), Govt. of the Punjab, Home Department, Lahore
3.	Sponsoring Agency	Govt. of the Punjab, Home Department
4.	Executing Agency	PFSA, Govt. of the Punjab, Home Department
5.	Maintenance & Operation	
6.	Name of Relevant Department(s) / Stakeholder(s) Invited In Pre-PDWP	I. Finance Department II. Home Department + PFSA III. DG, M&E IV. PERI V. Urban Unit
7.	Cost	Rs. 3,414.55 million
8.	Source of Financing	Scheme is newly inducted in ADP 2024-25 at GS. No. 7699
9.	Implementation Period	15 Months (April, 2025 to June, 2026)

10. Project Description:

The overwhelming majority of the scientific equipment currently in use was installed after the inception of the Punjab Forensic Science Agency 13 years ago. Instrument framework committee was constituted by Home Department, Government of the Punjab for analyzing current state of instruments proposing technological up gradation. The committee unanimously agreed on the immediate need to replace and upgrade instruments that are over 10 years old or no longer technically supported by the manufacturer. The committee also suggested that if replacing all equipment across PFSA is not feasible, priority should be given to the most frequently used disciplines. Among these, 542 pieces of equipment are \geq 10 years old and no longer supported by the manufacturers for technical assistance. An additional 383 pieces are approaching the 10-year mark for which manufacturer's technical support is already not available.

The PC-1 for 145 equipment amounting PKR 1000 million has already been approved in phase-1 and 565 equipment amounting PKR 3414.55 Million are included in the instant PC-1.

The PDWP in its meeting held on Dec. 24, 2024 recommended the Third Party Validation (TPV) of the whole scheme. The third party validation of the scheme is now completed and report has been submitted to the P&D on March 10, 2025. The he Governance Section, P&D Board analyzed the report and suggested the need for some additional information in the report. After revision the report was again submitted by the AD to the P&D on March 17, 2025.

11. **Justification of Project:**

- Equipment older than 10 years and equipment with no technical support available is being replaced because these equipment are more prone to failure, have no warranty, and increasingly difficult to repair.
- Older equipment can become increasingly expensive to maintain and operate, leading to higher long term costs. Replacing most of the equipment can prevent these escalating expenses.
- Newer instrument models often provide superior features, including quicker analysis times, enhanced throughput, refined detection limits, etc. These advancements will enable us to handle samples with greater efficiency and precision.
- Replacement of equipment will allow us to start reaping the benefits of improved efficiency and accuracy leading to better outcomes in Forensic analysis.
- Risks are associated with relying on older equipment, including the potential for critical failures that could disrupt analysis and cause delays.
- Having more equipment updated simultaneously ensures that more operations are add their optimal performance level, improving overall productivity.

12. **Project Scope & Objectives:**

The overall purpose of this project is

- To replace the aging equipment which have outlived its useful life.
- To upgrade the old technology with latest equipment used in Forensics.
- To enhance the capacity of equipment to upgrade the productivity of PFSA.
- To upgrade the testing scope.

- To reduce the repair cost of the old equipment which is bloated to almost the original cost of the equipment.

13. General Abstract of Cost:

Summary of Revenue Component		
Sr.#	Object Code	Amount (millions)
1	A09601-Purchase of Machinery Equipment	3315.10 (Detail at Annex-A)
2	Contingencies @ 3%	99.45 million
TOTAL		3414.55 Million

14. Financial Phasing of the Project

Sr. No.	Item	FY 2024-25	FY 2025-26	Total (Million)
1	Equipment (Qty)	182	383	565
2	Cost (Million)	690.00	2625.050	3315.050
3	Contingency @ 3% (Million)	96.450	3.00	99.450
Grand Total (Million)				3414.500

15. Relationship of the project with sectoral policy / Punjab Growth Strategy, 2023:

The project supports SDG 16 (Peace, Justice, and Strong Institutions) by enhancing the forensic infrastructure needed for fair and efficient justice. by modernizing forensic capabilities, PFSA can handle cases more effectively, reducing delays in justice and supporting the rule of law.

16. Requirement of vehicle / staff / consultancy:

- Vehicles: Not required.
- Staff: Not required

17. Period of Implementation: **15 Months**

18. Annual Recurring Expenditure: **No Recurring Expenditure required**

19. Annual Income after Completion along with Economic/Financial Appraisal:

The replacement of equipment will also reduce the repair cost of the old equipment which is bloated to almost the original cost of the equipment.

20. Environmental Appraisal:

Minimal Environmental Impact.

PART-B

20. Project Appraisal

The Pre PDWP to discuss the scheme titled 'Replacement Of Old / Condemned Equipment of PFSA (Phase-II)' was held on 03.12.2024 under the chairmanship of Member (G&IT), P&D Board. The meeting was attended by the representatives from Home Department, Finance Department, PFSA, PERI, Urban Unit and officers from the Governance Section, P&D Board. The pre PDWP forum directed the AD to rationalize the list of items to the extent that is possible without affecting the efficiency of the organization and ensured that there will be no next phase and to review the financial phasing keeping in view the availability of funds and Rs.1,000.00 Million may be proposed for FY 2024-25 and remaining funds may be proposed for next FY 2025-26. It was also directed that the contingency charges would be rationalized down from 5.0% to 3.0%. The AD was also directed to provide the written response of comments / observations of P&D Board and to re-submit the amended PC-I in the light of directions of the pre-PDWP forum.

The comments/observations of P&D Board and annotated replies by AD are available at **Annex-B**.

21. Third Party Validation on the Direction of PDWP:

The PDWP in its meeting held on 24th December, 2024 recommended the Third Party Validation (TPV) of the whole scheme for authentication of the demand of equipment. The AD hired NEOTECH PVT. LTD for conducting the TPV as per the direction of PDWP. The third party validation of the scheme is now completed and detailed report has been received.

The recommendations of TPV focus on upgrading aging equipment, incorporating advanced technologies, and ensuring that staff are adequately trained to operate the new systems. The report includes Summary of the current state of agency's equipment, reasons for replacement and expected outcomes after the replacement. In line with global standards, the report references the **United Nations Office on Drugs and Crime (UNODC)** recommendations for forensic equipment lifecycle management.

These guidelines suggest that forensic tools should be replaced or upgraded after every 10 years to maintain effectiveness and remain aligned with technological advancements. Adhering to this standard will help the Forensic Science agency address the growing volume and complexity of forensic evidence.

TPV also recommends 565 equipment to be replaced (182 in the FY 2024-25 and 383 in the FY 2025-26). The detailed lists of Procurement Plan 2024-25 & 2025-26 are available at **Annex-A**.

22. Recommendations:

The scheme titled '**Replacement of Old / Condemned Equipment of PFSA (Phase-II)**' at the total cost of Rs. 3414.55 Million with gestation period of 15 months from April, 2025 to June, 2026 is placed before PDWP for consideration / approval with the recommendation that the reasonable / rationalized allocation during remaining period of CFY be made.

LIST OF EQUIPMENT FOR FY 2024-25**Procurement Plan FY 2024-25**

SR#	Item Name	Qty	Unit Price	Total
1	Genotyping and DNA profile development instrument (e.g. Genetic analyzer 3500XL or equivalent)	2	PKR 160,000,000	PKR 320,000,000
2	Videospectral Comparator VSC 9000 or equivalent	1	PKR 73,200,000	PKR 73,200,000
3	Back up server for Balscan	1	PKR 64,416,000	PKR 64,416,000
4	Handheld Raman Analyzer	1	PKR 40,260,000	PKR 40,260,000
5	GC-FID	1	PKR 36,600,000	PKR 36,600,000
6	Electrostatic Detection Apparatus -2	1	PKR 31,110,000	PKR 31,110,000
7	120 KVA UPS 3 phase 4 wire online double conversion modular	1	PKR 26,000,000	PKR 26,000,000
8	Polarized light Microscope	1	PKR 25,531,660	PKR 25,531,660
9	Magnet GRAYKEY or Spiderweb (Latest version)	1	PKR 18,135,000	PKR 18,135,000
10	Oxygen Forensic Detective or spiderweb (latest version)	1	PKR 18,135,000	PKR 18,135,000
11	FTK Dongle	1	PKR 17,000,000	PKR 17,000,000
12	FTIR with ATR Assembly	1	PKR 14,000,000	PKR 14,000,000
13	Turbo Evaporator	4	PKR 9,150,000	PKR 36,600,000
14	30 KVA UPS-3 phase, 4 wire online double conversion	4	PKR 6,500,000	PKR 26,000,000
15	LX 6 computerized Polygraph Instrument	2	PKR 6,500,000	PKR 13,000,000
16	Forensic Computer Workstation	7	PKR 6,000,000	PKR 42,000,000
17	Photo Copier, Heavy Duty	1	PKR 3,500,000	PKR 3,500,000
18	Microtome	1	PKR 3,396,480	PKR 3,396,480
19	Dry Bath Incubator	2	PKR 2,196,000	PKR 4,392,000
20	10 KVA UPS single phase L+N+E wire online double conversion	4	PKR 1,900,000	PKR 7,600,000
21	Analytical Weighing Balance	12	PKR 1,464,000	PKR 17,568,000
22	Camera Mirrorless	15	PKR 1,350,000	PKR 20,250,000
23	Digital Camera with tripod	3	PKR	PKR 3,963,000

			1,321,000	
25	Video Camera	4	PKR 1,200,000	PKR 4,800,000
26	Weighing balance topload	2	PKR 1,000,000	PKR 2,000,000
27	LaserJet MFP, ADF or equivalent Printer	2	PKR 850,000	PKR 1,700,000
28	Laser Jet, midrange printer	6	PKR 275,000	PKR 1,650,000
29	Micropipette 100-1000 uL	20	PKR 128,100	PKR 2,562,000
30	Micropipette 20-200 ul	20	PKR 128,100	PKR 2,562,000
31	Micropipette 2.0 - 20 uL	20	PKR 128,100	PKR 2,562,000
32	Micropipette 0.2-2 ul	20	PKR 128,100	PKR 2,562,000
33	Micropipette 50-200- ul	9	PKR 128,100	PKR 1,152,900
34	Micropipette 10 -100 ul	9	PKR 128,100	PKR 1,152,900
35	Micropipette 10µl	1	PKR 128,100	PKR 128,100
36	Micropipette 0.5-10 ul	1	PKR 128,100	PKR 128,100
		182		PKR 885,617,140

LIST OF EQUIPMENT FOR FY 2025-26

Procurement Plan FY 2025-26

1	LC/Q-TOF	1	PKR 248,880,000	PKR 248,880,000
2	Active Balscan station with two scanners	1	PKR 183,000,000	PKR 183,000,000
3	Genotyping and DNA profile development instrument (e.g. Genetic analyzer 3500XL or equivalent)	1	PKR 160,000,000	PKR 160,000,000
4	Resemble AI's deepfake detection with computer workstation system	1	PKR 108,702,000	PKR 108,702,000
5	Comparison Microscope (Leica FSC or equivalent)	3	PKR 80,000,000	PKR 240,000,000
6	Gas Chromatograph with MS detector	8	PKR 73,200,000	PKR 585,600,000
7	Gas Chromatograph with MS detector and Head space Assembly	2	PKR 73,200,000	PKR 146,400,000
8	IKAR Lab 3 (complete Package with Computer Server) Permanent License	1	PKR 60,000,000	PKR 60,000,000

9	FS CB microscope comparison bridge	2	PKR 46,915,780	PKR 93,831,560
10	Staining and coverslipping system	1	PKR 38,015,200	PKR 38,015,200
11	Tissue Processor	1	PKR 37,039,200	PKR 37,039,200
12	GC-IR	1	PKR 36,600,000	PKR 36,600,000
13	GC-FID with Head space Assembly or equivalent	1	PKR 35,000,000	PKR 35,000,000
14	VOCALISE & Biometrics & FAUXDIO detector (Permanent License) with computer workstation sytem	1	PKR 30,000,000	PKR 30,000,000
15	Real-Time PCR System	2	PKR 27,450,000	PKR 54,900,000
16	Amped FIVE with computer workstation sytem	2	PKR 20,000,000	PKR 40,000,000
17	Polarimeter	1	PKR 12,078,000	PKR 12,078,000
18	Tissue Stainer Epridia	1	PKR 11,340,000	PKR 11,340,000
19	Upright single unit Freezer (-86 C)	1	PKR 10,980,000	PKR 10,980,000
20	Open Text Encase (latest version)	1	PKR 8,418,000	PKR 8,418,000
21	Precision Incubator	1	PKR 8,052,000	PKR 8,052,000
22	Benchtop Centrifuge machine	3	PKR 8,052,000	PKR 24,156,000
23	ALS PoliLight	2	PKR 7,639,793	PKR 15,279,585
24	Amped Authenticate with computer workstation sytem	2	PKR 7,378,560	PKR 14,757,120
25	Tissue Embbder with cold plate	1	PKR 6,685,600	PKR 6,685,600
26	Leica Microscope K3C CMOS camera	3	PKR 5,883,000	PKR 17,649,000
27	Upright single unit Freezer (-20 C)	1	PKR 5,490,000	PKR 5,490,000
28	Water Purification System	1	PKR 5,490,000	PKR 5,490,000
29	X-ways (latest version)	1	PKR 5,000,000	PKR 5,000,000
30	Olympus DP28 camera compatible with Olympus cellSens imaging Software	1	PKR 4,500,000	PKR 4,500,000
31	Hydrogen Generator	2	PKR 4,392,000	PKR 8,784,000
32	Stereo Microscope	4	PKR 3,902,200	PKR 15,608,800
33	Stereo microscopes (integrated camera)	2	PKR 3,902,200	PKR 7,804,400
34	96 well thermal cycler or equivalent	1	PKR 3,660,000	PKR 3,660,000
35	Ninhydrin and DFO Chamber	1	PKR 3,500,000	PKR

					3,500,000
36	PELICAN 9470 Remote Area Light or equivalent	2	PKR	3,422,000	PKR 6,844,000
37	Duplicator	1	PKR	3,064,152	PKR 3,064,152
38	Magnet Witness	1	PKR	3,030,480	PKR 3,030,480
39	Refrigerator	3	PKR	2,928,000	PKR 8,784,000
40	Solid Phase Extraction Assembly	1	PKR	2,928,000	PKR 2,928,000
41	Safe firing device	1	PKR	2,818,200	PKR 2,818,200
42	Safe firing device for bullet recovery tank	1	PKR	2,818,200	PKR 2,818,200
43	Microcentrifuge	11	PKR	2,379,000	PKR 26,169,000
44	Microscope with bihead adaption	1	PKR	2,200,000	PKR 2,200,000
45	Microscope DM-750 or equivalent	4	PKR	1,847,560	PKR 7,390,240
46	Shaking Incubator	1	PKR	1,830,000	PKR 1,830,000
47	Microscope DM-750 with flexcam i5 or equivalent	1	PKR	1,768,000	PKR 1,768,000
48	Hot air Oven	2	PKR	1,288,320	PKR 2,576,640
49	Dry Heat Oven	1	PKR	1,207,800	PKR 1,207,800
50	Test Tube Rotator	1	PKR	1,098,000	PKR 1,098,000
51	Air Compressor	7	PKR	1,098,000	PKR 7,686,000
52	Ultrasonicator	1	PKR	1,098,000	PKR 1,098,000
53	Image Scanner for Fingerprint	1	PKR	850,000	PKR 850,000
54	ALS Polilight	1	PKR	764,117	PKR 764,117
55	Canon imageFORMULA DR-F120 or better ADF Scanner	1	PKR	750,000	PKR 750,000
56	Laptop core i7	3	PKR	750,000	PKR 2,250,000
57	Digital Heated Ultrasonic Cleaner or equivalent	1	PKR	732,000	PKR 732,000
58	Benchtop Laboratory pH Meter	1	PKR	732,000	PKR 732,000
59	Dual Temperature Control Dry Bath Incubator, Dual Heating, with 1.5ml x 6 Blocks	7	PKR	685,628	PKR 4,799,395
60	Bonemill (MICROMILL or equivalent)	1	PKR	564,372	PKR 564,372
61	Hot Plate with stirrer	1	PKR	549,000	PKR 549,000

62	4K UHD Digital HD Video Camera with 256 SD Card (Sony, Panasonic, JVC or equivalent)	4	PKR	525,636	PKR 2,102,544
63	Flootation Water Bath	1	PKR	507,400	PKR 507,400
64	Hot Plate for slides	1	PKR	507,400	PKR 507,400
65	Freezer	2	PKR	484,218	PKR 968,436
66	Traceable Platinum Thermometer -100 to +300 C	1	PKR	439,200	PKR 439,200
67	Heat Block	2	PKR	435,613	PKR 871,226
68	Rotator (15 ml Tube)	3	PKR	402,600	PKR 1,207,800
69	Sirchie ECMD250 or equivalent Ground Search Metal Detector w/ Headphones & Carry Bag	1	PKR	375,455	PKR 375,455
70	PH Meter	1	PKR	366,000	PKR 366,000
71	Sirchie or equivalent Laser Projector	3	PKR	353,764	PKR 1,061,292
72	Digital Hot Plate, Ceramic	1	PKR	312,820	PKR 312,820
73	4K UHD Digital Video recorder / Camcorder	4	PKR	311,092	PKR 1,244,368
74	Rechargeable Handheld Flashlight 14,000 Lumens Ultra Bright Flashlight with 3X Build-in Battery Pack for Home, Outdoors, or equivalent	18	PKR	311,092	PKR 5,599,656
75	Nikon AF-S DX NIKKOR 16-85mm Lens	1	PKR	311,092	PKR 311,092
76	Vortex Mixer	20	PKR	292,800	PKR 5,856,000
77	Hot Plate	5	PKR	292,800	PKR 1,464,000
78	Magnetic Stirrer	2	PKR	292,800	PKR 585,600
79	BOSCH GLM400C 400 Ft Blaze Outdoor Connected Laser Measure with Camera Viewfinder, Includes 3 AA Batteries, Hand Strap, & Pouch OR equivalent	10	PKR	246,727	PKR 2,467,270
80	Monitor Color Calibrator (calibrite, xrite)	1	PKR	241,560	PKR 241,560
81	4KDisplay 2HDMI 2USB 2TypeC 16in1 Docking Station	1	PKR	236,000	PKR 236,000
82	Docking Station 4KDisplay 2HDMI 2USB 2TypeC	1	PKR	236,000	PKR 236,000
83	Coast XP80R 15000 Lumen or equivalent Rechargeable Dual-Power LED Flashlight with POWERiQ™ Real-TIME Display, 5 Light Modes, Ultra View Flood Beam, Push/Pull Focus	27	PKR	236,000	PKR 6,372,000
84	TMDT 100 or Trace Metal Detection Kit	16	PKR	236,000	PKR 3,776,000
85	Digital Camera Sony DSC-HX99 or equivalent	5	PKR	193,091	PKR 965,455
86	Paper Cardboard Cutter Desktop Manual	1	PKR	152,988	PKR

					152,988
87	LED Display Monitor UHD 27"	9	PKR	139,300	PKR 1,253,696
88	Precision Temperature Thermometer or equivalent	1	PKR	120,780	PKR 120,780
89	Hard Disk Drive 8TB (Internal)	12	PKR	117,764	PKR 1,413,168
90	Speakers (Edifier, Bosh or equivalent)	1	PKR	102,981	PKR 102,981
91	Portable Hard Drive 8TB	18	PKR	100,000	PKR 1,800,000
92	Portable CD/DVD/bluray Writer	3	PKR	100,000	PKR 300,000
93	Tissue Homogenizer	1	PKR	100,000	PKR 100,000
94	Hand Held Digital Thermometer	9	PKR	78,104	PKR 702,940
95	Headphones (Sennheiser or equivalent, over the ear)	8	PKR	75,092	PKR 600,736
96	Thermocouple Calibrator -50 C to 1300 C	1	PKR	54,900	PKR 54,900
97	Small 4 inch Single Measuring Wheel (Tritech Forensics or equivalent)	30	PKR	40,260	PKR 1,207,800
98	LED Rechargeable Headlamp, 900000 Lumens Super Bright with 5 Modes & IPX7 Level Waterproof USB Rechargeable Zoom Headlamp	10	PKR	39,691	PKR 396,910
99	Liquid in Glass Thermometer	1	PKR	37,442	PKR 37,442
100	Rotary Toolkit for bone crushing	1	PKR	30,000	PKR 30,000
101	Digital Thermometer (Traceable Calibration)	7	PKR	26,169	PKR 183,183
102	Traceable Thermometer (Traceable Calibration)	5	PKR	26,169	PKR 130,845
103	Camera flash light	18	PKR	17,500	PKR 315,000
383					PKR 2,429,480,003

Sr N o.	Observations	Replies	Remarks
i	The PC-I has not been prepared on the appropriate format of Planning commission.	The PC-I was uploaded as per the format prescribed in SMDP Portal	Noted.
ii	The AD has not provided any detail about the number and location of labs in which the old/condemned equipment is to be replaced. Lab wise detail of already available functional / old / condemned equipment along with detail of new/updated equipment & proposed distribution plan may be provided.	All equipment being replaced will be installed at the PFSA Lahore facility in the departments (labs) listed in Column B of equipment list, except for equipment belonging to the Crime Scene Investigation Department which will be supplied at divisional satellite stations.	Noted.
iii	At Page-I of the PC-I, it has been mentioned that the scheme would be proposed for next ADP viz-a-viz the request for inclusion in current ADP, (2024-25) had been made the AD may clarify.	In order to upload the PC-I of the scheme on SMDP portal, the scheme must include in current ADP, in case of non-inclusion in ADP, the system automatically saves the scheme for the next ADP. However, PFSA requested for inclusion of PC-I in ADP 2024-25 at Page-3 of PC-I.	Noted. As scheme has been included in ADP 2024-25 at GS. No. 7699 , the AD must ensure the uploading of final PC-I on SMDP.
iv	<p>The project benefit analysis is very vague and sketchy. AD may provide a numeric data and precise statistical analysis that:</p> <p>A. How forensic analysis is being conducted with old/condemned equipment,</p> <p>B. what are the difficulties in analysis</p> <p>C. How many analysis could not been made due to the non-availability or old/condemned equipment.</p> <p>D. How the new/updated equipment will enhance its forensic capabilities.</p> <p>E. What are the expected gains and benefits to public and Government of the Punjab. (Page 6).</p>	<p>A) More than 120,000 cases are being analyzed annually using available equipment, majority of which is 10 or more than 10 years old. Such heavy load on these old equipment is high risk for equipment failure or breakdown which may lead to irreversible damage to the evidence available in limited quantity and delayed reporting of cases. Some labs have huge influx of cases (greater than 50,000 evidence item annually). Addition of replacement of equipment in these labs will help improve reporting turnaround time.</p> <p>B) Old technology use more human resource resulting in prolonged process time. Older equipment are less sensitive requiring more sample amount (which is sometimes not possible. Increased maintenance cost, frequent troubleshooting and increased downtime. All equipment being replaced have passed their warranty period.</p> <p>C) Analyses of cases related to digital forensics requires latest technology equipment (particularly analysis of deep fake audios and videos.) -Older equipment are less sensitive to designer drugs and new psychoactive substances. Isomeric forms of drugs cannot be separated and analyzed with older equipment.</p> <p>D) Newer instrument models often provide superior features, including quicker analysis times, enhanced throughput, refined detection limits, etc. These advancements enable laboratories to handle samples with greater efficiency and precision. While the initial investment in updated instruments may be significant, newer equipment typically yields lower operational costs, reduced maintenance needs, and efficient energy consumption when compared to older models. This translates to long-term financial savings.</p> <p>E) Reduced turnaround time that will ensure timely provision justice to public. For economic analysis please see attached annexure-1. It support government's sustainable development goal (No. 16)</p>	Noted.
v	The Implementation Schedule/Gantt Chart at Page 7 is just mentioning the dates of opening bids, issuance of purchase orders, delivery and installation. AD may	As the current implementation schedule at page 7 accurately reflects the major activities and their	Noted.

	provide a prescribed Gantt Chart (tentative) with equipment wise detail of bids as alt equipment are not of same nature and must be procured from different vendors.	respective timelines. Current schedule offers a clear overview and is sufficient for project management purposes. Thus, Gantt chart is optional at page 7.																									
vi	The Result Based Monitoring (RBM) Indicators have not been provided on a prescribed format. These may be provided in an appropriate tabular format with mentioning correct indicators (Page 7)	<div>The Result Based Monitoring (RBM) indicators in an appropriate tabular format have been incorporated and uploaded on SMDP portal at page 7 of PC-I.</div> <table><tr><th>Input</th><th>Output</th><th>Baseline Indicator</th><th>Target after Completion of Project</th><th>Target</th></tr><tr><td>Advertisement</td><td>Technical Opening of Bids</td><td rowspan="6">Procurement committee will evaluate and monitor the procurement process</td><td rowspan="6">To replace the old equipment in order to enhance the accuracy and quality of work</td><td rowspan="6">Implementation of Technical</td></tr><tr><td>Evaluation of technical bids</td><td>Evaluation report uploaded on PPRA & E-pad</td></tr><tr><td>Opening of financial bids</td><td>Evaluation report uploaded on PPRA & E-pad</td></tr><tr><td>Advance of purchase order</td><td>Opening of LC</td></tr><tr><td>Delivery of items</td><td>Inspection of Items</td></tr><tr><td>Installation of equipment</td><td>Satisfactory Report</td></tr></table>					Input	Output	Baseline Indicator	Target after Completion of Project	Target	Advertisement	Technical Opening of Bids	Procurement committee will evaluate and monitor the procurement process	To replace the old equipment in order to enhance the accuracy and quality of work	Implementation of Technical	Evaluation of technical bids	Evaluation report uploaded on PPRA & E-pad	Opening of financial bids	Evaluation report uploaded on PPRA & E-pad	Advance of purchase order	Opening of LC	Delivery of items	Inspection of Items	Installation of equipment	Satisfactory Report	Noted.
Input	Output	Baseline Indicator	Target after Completion of Project	Target																							
Advertisement	Technical Opening of Bids	Procurement committee will evaluate and monitor the procurement process	To replace the old equipment in order to enhance the accuracy and quality of work	Implementation of Technical																							
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Advance of purchase order	Opening of LC																										
Delivery of items	Inspection of Items																										
Installation of equipment	Satisfactory Report																										
vii	Justification may be provide for mentioning 'no' against Result Based Monitoring (Sr. No. 1a & 2a) of Marginalization Performa (Page 11).	The Result Based Monitoring (RBM) indicators in an appropriate tabular format have been incorporated and uploaded on SMDP prtal at page 7 of PC-I.					Noted.																				
viii	<p>At Page 13, the Notification of Instruments Framework Committee along with following TORs have been shared.</p> <p>A. To propose / finalize up gradation of instruments.</p> <p>B. To determine HR requirements.</p> <p>The examination of the composition of the committee and the TORs reveals that out of 4 members of committee, 2 are veterinary Doctors. The AD to justify that how the veterinary doctors have been included in the committee.</p>	<p>Two members belonging to University of Veterinary & Animal Sciences (Dr. Saadat Ali & Dr. Ali Raza Awan) are not veterinary doctors instead they are molecular biologists. Only one member (Dr. Talat Naseer Pasha, Director General PAFDA) is veterinary doctor with PhD and extensive research experience.</p> <p>The committee was constituted by the Government of Punjab (Home department). The committee members have extensive experience of working in different types of laboratories (including forensic & medical labs). Same type of analytical equipment have application in various testing areas including forensic science.</p> <p>In context to forensic testing, the committee kept forensic experts (section heads) on board during assessment for equipment replacement. The committee conducted 3-4 meetings and discussed all equipment and specifications in detail (minutes attached in PC-1).</p>					Noted.																				
ix	<p>From Page 22 to 30, the detail of 565 equipment to be replaced has been provided. It has been examined that the information has been provided very haphazardly. Following may be provided:-</p> <p>A. The department wise grouping of equipment as per the following format, e.g., all equipment of toxicology will be enlisted and then the equipment under DNA and Serology will be enlisted and so on.</p> <table><tr><th>SR</th><th>DEPARTMENT</th><th>ITEMS</th><th>QTY</th><th>UNIT PRICE IN</th><th>TOTAL</th></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>	SR	DEPARTMENT	ITEMS	QTY	UNIT PRICE IN	TOTAL							<p>a) All equipment arranged in equipment list as per provided format.</p> <p>b) Brief description of each equipment added.</p> <p>c) Equipment list (quantity and specifications have already been validated by relevant forensic experts.</p> <p>d) Mainly prices are based on quotations provided by the vendors. Some prices are based</p>					Noted.								
SR	DEPARTMENT	ITEMS	QTY	UNIT PRICE IN	TOTAL																						

