



PC-1

Establishment of State of the Art Wildlife Hospital at Safari Zoo, Lahore

ORIGINAL APPROVED COST	PKR Million. 1,473.731/-
ORIGINAL APPROVED GESTATION	24 Months Till June 2026
APPROVAL FORUM	PDWP (PDWP)

1. NAME OF THE PROJECT

Establishment of State of the Art Wildlife Hospital at Safari Zoo, Lahore

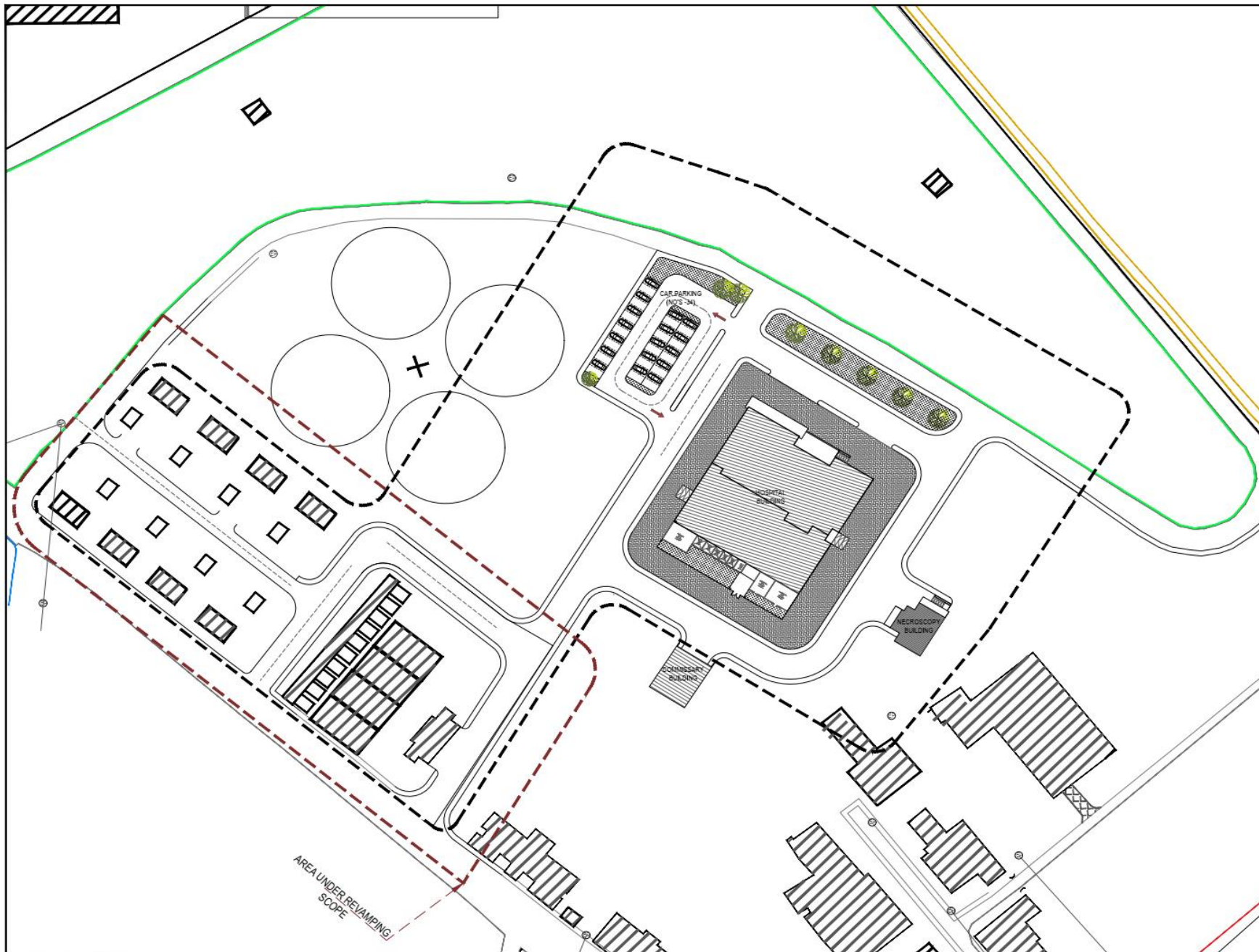
2. LOCATION OF THE PROJECT

2.1. DISTRICT(S)

I. LAHORE

2.2. TEHSIL(S)

I. RAIWIND



GENERAL NOTES:

1. ALL DIMENSIONS ARE IN FEET/INCHES, UNLESS OTHERWISE NOTED.
2. IF ANY ERROR OR OMISSION IS FOUND IN DRAWING THIS OFFICE MAY BE CONSULTED FOR RECTIFICATION.
3. FOR ANY FURTHER DETAIL CLARIFICATION ON THE DRAWING PLEASE CONTACT THE PROJECT ARCHITECT.
4. ALL NECESSARY NOC/SUPERVISIONS MAY BE OBTAINED FROM THE CONCERNED AUTHORITIES BEFORE COMMENCEMENT OF PROJECT AT SITE.
5. THE SITE DIMENSIONS AND PROFILE AS SHOWN ON THE LAYOUT PLAN MUST BE VERIFIED ON GROUND PRIOR TO COMMENCEMENT OF CONSTRUCTION IN ORDER TO AVOID COMPLICATIONS LATER ON.
6. E.V.A.C, PUBLIC HEALTH, ELECTRICAL AND LANDSCAPING SERVICES TO BE FINALIZED IN CONSULTATION WITH IDAP OFFICE PRIOR TO START OF CONSTRUCTION.
7. CONTRACTOR/CONSULTANT TO CONFIRM HANDICAP TOILET WITH ANS 111.1
8. FOR ALL STRUCTURE DETAILS REFER TO STRUCTURE DRAWINGS.

CLIENT:

WILDLIFE & PARKS
DEPARTMENT, GOVT OF
PUNJAB.

KEY PLAN

PROJECT:

ESTABLISHMENT OF STATE
OF THE ART WILDLIFE
HOSPITAL AT SAFARI ZOO,
LAHORE

BUILDING NAME:

EXTERNAL DEVELOPMENTS

PROJECT STATUS:

PROPOSED DRAWINGS

DRAWING TITLE:

MASTER PLAN

REV.	DATE	DESCRIPTION

DATE:	JUNLY, 2024	SCALE:	NTS
DRAWN BY:	FARHEEM QAYYUM	DESIGN BY:	ZOHAB ASHRAF
CHECKED BY:	MEHER ZEHRRA	APPROVED BY:	MUHAMMAD KASHIF
DRAWING NO.	VH-LHR-HB-03-MP-02	REVISION:	00



IDAP
Infrastructure Development Authority Punjab

3. AUTHORITIES RESPONSIBLE FOR

3.1. SPONSORING AGENCY

- FORESTRY, WILDLIFE, FISHERIES

3.2. EXECUTION AGENCY

- COMMUNICATION & WORKS DEPARTMENT
- FORESTRY
- WILDLIFE

3.3. OPERATIONS AND MAINTENANCE AGENCY

- WILDLIFE

3.4. CONCERNED FEDERAL MINISTRY

4. PLAN PROVISION

Sr #	Description
1	Source of Funding: Scheme Listed in ADP CFY
2	GS No: 3270
3	Total Allocation: 700.000

Comments:

5. PROJECT OBJECTIVES

The project envisions to establish Pakistan's first state of the art, wildlife hospital at Safari Zoo Lahore. The project has multi-faceted objectives aimed at improving wildlife care and rehabilitation, promoting conservation, research etc. The major objectives of the project are outlined below:

1. Wildlife Care

The Wildlife Hospital will cater to the large variety of wildlife species at the Safari Zoo Lahore to provide optimum care facilities while also extending the medical services of diagnostics, surgery, intensive care and recovery to the wildlife species at various captive facilities in Punjab as well as those rescued from in-field.

2. Wildlife Conservation and Rehabilitation

The facility will also provide rehabilitative care to the wildlife rescued from various hotspots of Punjab. The species will be provided medical treatment and rehabilitated for their eventual release into the wildlife.

3. Research and Education

The project will provide an excellent avenue for research and education. The academia will be engaged to provide students practical training and learning experience regarding wildlife care, treatment, surgery and rehabilitation. Moreover, a component has been incorporated in hospital design to provide visitors / tours controlled access of examination rooms (preferably through glass viewing) to educate regarding wildlife care and veterinary work.

4. Collaboration and Partnership

The establishment of a Wildlife Hospital in Punjab will open avenues to develop partnerships and collaborations with academia, research institutes and international partners such as Four Paws. The development of such affiliations will promote research and improve animal health care standards e.g. through international collaboration in care and treatment of big mammals.

5. Skill Development

The project involves a major component of local and foreign training for skill development of veterinary personels. The trainings will involve use of equipment, anaesthesia, surgery, big mammal care and other important veterianry concepts.

6. DESCRIPTION AND JUSTIFICATION OF PROJECT

6.1 JUSTIFICATION OF PROJECT:

The Punjab Wildlife & Parks Department has undertaken a major revamping of the Safari Zoo Lahore through an ADP project titled "Implementation of Master Plan at Safari Zoo Lahore". Under the said scheme, thematic zones such as African Safari, Desert, Salt Range, etc. have been developed to provide visitors an immersive experience and allow them to interact with wildlife. The project also involved a major component of acquisiton of animals and birds, whereby a large variety has been added, while big mammal species i.e. Rhino, Elephant and Giraffes are presently under process of acquisition. In view of the foregoing, there is an urgent need to develop a state of the art wildlife hospital to cater for the range of wildlife species at the Safari Zoo, and particularly the big mammals.

The proposed project will establish Paksitan's first dedicated state of the art wildlife hospital at Safari Zoo Lahore. The facility will include dedicated staff headed by the Director Veterinary Services along with Senior Veterinary Officers and Veterinary Officers specialized for each section. The Wildlife Hospital will not only cater to the veterinary care needs of wildlife species at the Safari Zoo but also to the captive facilities across Punjab. The specialized ambulance and animal shifting trucks will assist in providing mobile veterinary care as required.

The establishment of wildlife hospital includes procurement of latest equipment and medicines which the department presently lacks, to provide state of art veterinary care to the species. Furthermore, another major shortcomming is the lack of adequate training and skill development of the technical and veterinary staff. National and international exposure / training is crucial to equip the vets with latest techniques, skills and training to use the latest equipment.

6.2 SECTORAL SPECIFIC INFORMATION:

The project is aligned with the broader goals and objectives of the wildlife sector to provide adequate veterinary care to wildlife species for their conservation and preservation.

7. CAPITAL COST ESTIMATES:

Financial Components: Capital
Cost Center:OTHERS- (OTHERS)
Fund Center (Controlling):N/A

Grant Number:Government Buildings - (PC12042)
LO NO:N/A
A/C To be Credited:Account-I

PKR Million

Sr #	Object Code	2024-2025		2025-2026	
		Local	Foreign	Local	Foreign
1	A12403-Other Buildings	450.000	0.000	68.259	0.000
Total		450.000	0.000	68.259	0.000

Financial Components: Revenue
Cost Center:OTHERS- (OTHERS)
Fund Center (Controlling):N/A

Grant Number:Development Revenue - (PC22036)
LO NO:N/A
A/C To be Credited:Account-I

PKR Million

Sr #	Object Code	2024-2025		2025-2026	
		Local	Foreign	Local	Foreign
1	A01101-Basic Pay	0.001	0.000	0.001	0.000
2	A01202-House Rent Allowance	0.001	0.000	0.001	0.000
3	A01203-Conveyance Allowance	0.001	0.000	0.001	0.000
4	A01217-Medical Allowance	0.001	0.000	0.001	0.000
5	A0124H-Special Allowance 2021	0.001	0.000	0.001	0.000
6	A0124R-A0124R - Adhoc Relief Allowance 2022	0.001	0.000	0.001	0.000
7	A0124T-Special Allowance - 2022	0.001	0.000	0.001	0.000

8	A0124X-AdHoc Relief Allowance 2023	0.001	0.000	0.001	0.000
9	A01270-Other	0.001	0.000	0.001	0.000
10	A03919-Payments To Others For Service Rendere	12.000	0.000	20.000	0.000
11	A02203-Consultant based Research and Surveys	15.000	0.000	15.000	0.000
12	A03901-Stationery	1.000	0.000	1.000	0.000
13	A03807-P.O.L Charges A.Planes H.Coptors S.Car	4.000	0.000	13.000	0.000
14	A03805-Travelling Allowance	5.000	0.000	30.000	0.000
15	A03303-Electricity	1.500	0.000	4.500	0.000
16	A13001-Transport	20.000	0.000	5.000	0.000
17	A03907-Advertising and Publicity	6.000	0.000	4.000	0.000
18	A03407-Rates and Taxes	3.000	0.000	1.000	0.000
19	A13101-R & M Of Machinery And Equipment	1.000	0.000	3.000	0.000
20	A03902-Printing and Publication	1.000	0.000	1.000	0.000
21	A03906-Uniforms and Protective Clothing	0.700	0.000	0.900	0.000
22	A03304-Hot and Cold Weather Charges	0.300	0.000	0.500	0.000
23	A13801-Maintenance of Gardens	0.000	0.000	5.000	0.000
24	A03942-Cost of Other Stores	0.000	0.000	1.500	0.000
25	A03927-Purchase of Drug and Medicines	5.000	0.000	35.000	0.000
26	A01277-Contingent Paid Staff	3.600	0.000	7.200	0.000
27	A03801-Training - Domestic	1.000	0.000	4.000	0.000
28	A03802-Training - International	30.000	0.000	65.000	0.000
29	A09501-Purchase of Transport	38.058	0.000	0.000	0.000

30	A09601-Purchase of Plant and Machinery	7.000	0.000	56.367	0.000
31	A01250-Incentive Allowance	0.001	0.000	0.001	0.000
32	A01106-Pay of Contract Staff	26.238	0.000	57.066	0.000
33	A09201-Purchase of Hardware	4.320	0.000	2.400	0.000
34	A09404-Medical And Laboratory Equipment	51.970	0.000	349.695	0.000
35	A09701-Purchase of Furniture and Fixture	5.000	0.000	19.000	0.000
36	A09202-Purchase of Software	5.000	0.000	0.000	0.000
37	A03970-Others	2.302	0.000	4.332	0.000
38	A01216-Qualification Allowance	0.001	0.000	0.001	0.000
39	A0125E-Adhoc Relief Allowance 2024	0.001	0.000	0.001	0.000
Total		250.000	0.000	705.472	0.000

8. ANNUAL OPERATING COST (POST COMPLETION)

Financial Components: Capital
Cost Center:OTHERS- (OTHERS)
Fund Center (Controlling):N/A

Grant Number:Government Buildings - (PC12042)
LO NO:N/A
A/C To be Credited:Account-I

		PKR Million
Sr #	Object Code	
Total		

Financial Components: Revenue
Cost Center:OTHERS- (OTHERS)
Fund Center (Controlling):N/A

Grant Number:Development Revenue - (PC22036)
LO NO:N/A
A/C To be Credited:Account-I

Sr #	Object Code
	Total

9. Demand and Supply Analysis:

The demand and supply analysis for the "Establishment of a State of The Art Wildlife Veterinary Hospital at Safari Zoo Lahore" underscores a critical need for advanced wildlife care infrastructure in Pakistan. The increasing diversity and population of wildlife at Safari Zoo Lahore, coupled with the necessity to address complex health challenges, drive the demand for a sophisticated veterinary facility. The project envisions becoming Pakistan's first premier wildlife hospital, meeting multifaceted objectives such as enhanced wildlife care, rehabilitation, and conservation. The supply currently lacks comprehensive facilities for diagnostics, surgery, and intensive care for wildlife, both within the zoo and across various captive settings in Punjab. Additionally, the facility will fill gaps in wildlife rehabilitation for rescued animals, provide invaluable research and educational opportunities for academia, and foster collaborations with international partners. By addressing these needs through specialized training programs for veterinary personnel and incorporating public education components, the project promises to significantly uplift wildlife health standards and advance conservation efforts, positioning Safari Zoo Lahore as a pioneering hub for wildlife welfare and research in the region.

10. FINANCIAL PLAN AND MODE OF FINANCING

10.1 FINANCIAL PLAN EQUITY INFORMATION:

The Project will be financed through ADP of Government of Punjab.

10.2 FINANCIAL PLAN DEBT INFORMATION:

Not Applicable

10.3 FINANCIAL PLAN GRANT INFORMATION:

Not Applicable

10.4 WEIGHT COST OF CAPITAL INFORMATION:

Not Applicable

11. PROJECT BENEFITS AND ANALYSIS

11.1 PROJECT BENEFIT ANALYSIS INFORMATION:

The "Establishment of a State of The Art Wildlife Veterinary Hospital at Safari Zoo Lahore" promises numerous benefits that will significantly impact wildlife care, conservation, research, and community engagement.

- Enhanced Wildlife Care and Rehabilitation:** The hospital will provide specialized medical services, including diagnostics, surgery, and intensive care, tailored to the specific needs of wildlife species. This comprehensive care will ensure better health outcomes for animals at Safari Zoo Lahore and across Punjab, including those rescued from the wild.
- Advancement in Wildlife Conservation:** By offering rehabilitative care to injured and orphaned wildlife, the facility will facilitate successful releases back into their natural habitats. This will support the conservation of local wildlife populations and contribute to the overall biodiversity of the region.
- Research and Educational Opportunities:** The hospital will serve as a valuable resource for academic institutions, offering practical training and research opportunities in wildlife veterinary medicine. Engaging students and researchers will enhance knowledge in the field and drive innovation in wildlife care and conservation practices.
- Public Education and Awareness:** With controlled access to examination rooms for educational tours, the hospital will educate the public about wildlife care and veterinary practices. This increased

awareness can foster greater community support for wildlife conservation efforts and promote a more informed and engaged citizenry.

5. **Strengthened Collaborations and Partnerships:** Establishing the hospital will create opportunities for partnerships with national and international organizations, such as Four Paws. These collaborations can enhance research capabilities, improve animal care standards, and facilitate the exchange of best practices and technologies.
6. **Skill Development for Veterinary Personnel:** The project will include local and international training programs for veterinarians, enhancing their skills in using advanced equipment, anesthesia, surgery, and big mammal care. This professional development will elevate the overall quality of wildlife care in the region.

Overall, the establishment of this state-of-the-art wildlife veterinary hospital will not only address current gaps in wildlife health care but also contribute to the broader goals of conservation, education, and international collaboration, positioning Safari Zoo Lahore as a leading institution in wildlife welfare and research.

11.2 ENVIROMENTAL IMPACT ANALYSIS:

The environment impact analysis for the "Establishment of a State of The Art Wildlife Veterinary Hospital at Safari Zoo Lahore" reveals several positive and minimal negative effects. Environmentally, the project will lead to improved wildlife health and welfare by providing specialized care, which indirectly benefits ecosystems by promoting healthier animal populations and aiding in the recovery and release of rescued wildlife. Additionally, the hospital's design will incorporate sustainable practices, such as energy-efficient systems and waste management protocols, to minimize its ecological footprint. However, construction activities may temporarily disrupt local flora and fauna; careful planning and mitigation strategies, such as minimizing land disturbance and implementing erosion control measures, will be essential to mitigate these impacts. Overall, the project aims to enhance environmental stewardship by integrating conservation goals and educational components that raise awareness about wildlife preservation and sustainable practices.

11.3 ECONOMIC ANALYSIS:

The economic analysis of the "Establishment of a State of The Art Wildlife Veterinary Hospital at Safari Zoo Lahore" highlights significant long-term benefits and value creation for the region. The project is expected to stimulate local economic growth through job creation, as it will require a range of skilled professionals including veterinarians, support staff, and administrative personnel. Additionally, the facility will attract tourism and educational visits, boosting local businesses and generating revenue. The integration of advanced veterinary services and research capabilities will also foster innovation and enhance the region's reputation in wildlife care, potentially attracting further investments and funding. While the initial capital expenditure is substantial, the long-term economic benefits, including enhanced conservation outcomes and reduced costs associated with wildlife health issues, provide a compelling return on investment. Furthermore, the hospital's role in fostering international collaborations and partnerships will open new avenues for economic development and knowledge exchange, strengthening the region's position in the global wildlife conservation community.

11.4 FINANCIAL ANALYSIS:

The financial analysis of the "Establishment of a State of The Art Wildlife Veterinary Hospital at Safari Zoo Lahore" underscores a strategic investment with anticipated positive returns. The project's capital expenditure, covering advanced medical equipment, facility construction, and initial operational costs, will be substantial. However, these costs are justified by the long-term financial benefits, including improved animal health leading to reduced expenditure on emergency interventions and potential revenue from increased visitor numbers and educational programs. Funding sources may include government grants, private donations, and potential partnerships with international wildlife organizations, which will help distribute the financial burden. The facility is expected to achieve financial sustainability through its perse

revenue streams, such as service fees for specialized care and educational workshops, as well as cost-sharing agreements with partner organizations. Moreover, the project's positive impact on conservation and research can enhance its attractiveness to future donors and funding bodies, ensuring continued financial support and operational stability.

12. IMPLEMENTATION SCHEDULE

12.1 IMPLEMENTATION SCHEDULE/GANTT CHART:

The project will be implemented w.e.f date of approval till 30.06.2026.

12.2 RESULT BASED MONITORING (RBM) INDICATORS:

As enclosed in relevant annexures.

12.3 IMPLEMENTATION PLAN:

As enclosed in relevant annexures.

12.4 M&E PLAN:

As enclosed in relevant annexures.

12.5 RISK MITIGATION PLAN:

The regular monitoring of the project during the implementation phase will be conducted by the PM&E wing of the wildlife department and DG M&E, while the evaluation of the project will be done by the Directorate General Monitoring & Evaluation, Planning & Development Department.

12.6 PROCUREMENT PLAN:

As enclosed in relevant annexures.

13. MANAGEMENT STRUCTURE AND MANPOWER REQUIREMENTS

Director General, Wildlife & Parks, Punjab being Head of Department will be the overall incharge of the project during its implementation. DG Wildlife may depute any suitable Officer or Project Management Unit for the project execution. The Planning & Development Board will undertake the final evaluation after its completion

14. ADDITIONAL PROJECTS / DECISIONS REQUIRED

undefined

15. CERTIFICATE

Focal Person Name:Junaid Nadeem

Email:junaidadw@hotmail.com

Fax No:

Address:Head Office Punjab Wildlife & Parks Department, 2-Sanda Road, Lahore.

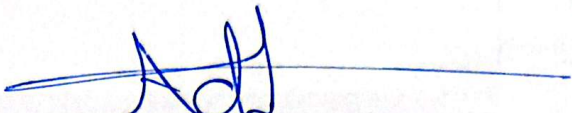
Designation:Deputy Director Wildlife Headquarters

Tel. No.:03205552888

Certificate

Certified that the project has been prepared as per instructions issued by the Planning Commission for the preparation of PC-I projects.

PREPARED BY:


(MUHAMMAD ADIL NADEEM)
MONITORING & EVALUATION OFFICER
HEAD OFFICE, LAHORE
(042-99212369)

CHECKED BY:


(JONAIID NADEEM)
DEPUTY DIRECTOR WILDLIFE
HEADQUARTERS, LAHORE
(042-99212384)

COUNTERSIGNED BY:


(MUDDASSIR RIAZ MALIK)
DIRECTOR GENERAL
WILDLIFE & PARKS, PUNJAB
2-SANDA ROAD LAHORE
(042-99212367)

APPROVED BY:


(MUDDASIR WAHEED MALIK)
SECRETARY
GOVERNMENT OF THE PUNJAB
FOREST, WILDLIFE & FISHERIES
DEPARTMENT, LAHORE
(042-99211695, 99212361)

18. RELATION WITH OTHER PROJECTS

20. FOCUS ON MARGINALISATION

SR.NO.	CRITERIA	YES/NO	ACTION	COMMENTS
Description & Objectives				
1	Do the description / Objectives of the PC-I specify link / alignment with provincial strategies and sectoral policies?	NO		
Use of Gender Disaggregated Data				
1	Was gender disaggregated data used to determine rationale / need of the project for select beneficiaries?	NO		
Social Impact				
1	Do project objectives/justification include focus on marginalised groups (women, PWDs, minorities, transgender, poor etc.)?	NO		
1a	Have marginalised groups (Women, PWDs, Minorities, Transgender Persons, Poor etc.) been included in project objectives / justification and / or as beneficiaries of the project?	NO		
2	Does the PC-1 include specific provisions for capacity building / training of marginalised group (if applicable)?	NO		
Results Based Monitoring				
1a	Does the PC-I include a Results Based Monitoring Framework (RBMF)/Logical Framework?	NO		
2	Were SDG indicators used for determining targets included in the PC-I?	NO		
Inclusion/Participation				

1	Did the Stakeholder consultation(s) held during ADP Formulation and / or PC-I development include experts and representatives of marginalised groups and CSOs?	NO		
Monitoring & Evaluation				
1	Does the project provide a role to communities in project monitoring and/or implementation (if relevant)?	NO		
2a	Does the project include formation of a Steering Committee and/or Project Implementation Committees?	NO		
2b	Is there a provision to ensure representation of women in these committees?	NO		

APPENDIX-I

AREA STATEMENT

The project will be implemented at Safari Zoo, Lahore.

APPENDIX – II**CONSERVANCY AND WORKS**

(Rs. in Million)							
Sr. #	Description	Qty	Rate	Unit	2024-25	2025-26	Total
1.	Construction of Hospital Building i/c HVCA System and Power wiring complete in all respects.	31727	7229.08	Sft	182.634	46.723	229.357
2	Construction of Brooding Room Building i/c Power wiring complete in all respects.	600	5496.67	Sft	3.298	0.000	3.298
3.	Construction of General Hatchery i/c Power wiring complete in all respects.	700	5577.15	Sft	3.904	0.000	3.904
4.	Construction of Ostrich Hatchery i/c Power wiring complete in all respects.	270	5577.78	Sft	1.506	0.000	1.506
5.	Construction of Bear & Leopard Building and Cages complete in all respects.	9284	4834.56	Sft	44.884	0.000	44.884
6.	Construction of Monkey Building and Cages complete in all respects.	1760	4199.44	Sft	7.391	0.000	7.391
7.	Construction of Necroscopy Building i/c Power wiring complete in all respects.	350	5671.43	Sft	1.985	0.000	1.985
8.	Construction of Commissary Building complete in all respects.	2438	5322.00	Sft	12.975	0.000	12.975
9.	Construction of Store complete in all respects.	460	5322.00	Sft	0.000	2.448	2.448
10.	Construction of Water Therapy complete in all respects.	1	5255000	Job	5.255	0.000	5.255
11.	Construction of Sand Therapy complete in all respects.	1	1390000	Job	1.390	0.000	1.390
12.	Construction of Duck Pond complete in all respects.	1	2807000	Job	2.807	0.000	2.807
13.	Construction of Revamping of sick cages complete in all respects.	1	300000000	Job	30.000	0.000	30.000
14.	Construction of Accommodation Block i/c compound wall complete in all respects.	4030	5543.93	Sft	22.342	0.000	22.342
15.	Installation of Room AC 1.5 ton Capacity inverter type Heat and Cooled system i/c copper pipe with rapping complete in all respects.	20	438550	No.	0.000	8.771	8.771
16.	Installation of ½ Cusec Turbine with Boring and Turbine Chamber complete in all respects.	1	10119000	No.	10.119	0.000	10.119

Annexure02 - Conservancy & Works

Sr. #	Description	Qty	Rate	Unit	2024-25	2025-26	Total
17.	Construction of Over Head Water Reservoir complete in all respects.	20000	750.00	Gln	15.000	0.000	15.000
18.	Construction of Septic Tank / Garki complete in all respects.	5	2520000	Job	12.600	0.000	12.600
19.	Installation of L.T, H.T Panels & 630 KVA Transformer complete in all respects.	1	8642000	Job	8.642	0.000	8.642
20.	Proving and Fixing Firefighting and Fire Alarm systems complete in all respects.	31727	400.01	Sft	12.691	0.000	12.691
Sub-Total:					379.423	57.942	437.365
Add 10% External Development Charges					37.942	5.974	43.736
Add 2% Consultancy Charges					8.349	1.273	9.622
Add WAPDA Charges for connection etc.					3.000	0.000	3.000
Sub-Total:					428.713	65.010	493.723
Add 5% PST					21.286	3.250	24.536
Grand Total:					450.000	68.259	518.259

APPENDIX- III

UNIT COST

Unit cost is given in all relevant appendices.

APPENDIX – IV**MACHINERY, STORES, TOOLS & EQUIPMENT****(Rs. in million)**

Sr. No.	Items	Qty.	Rate	2024-25	2025-26	Total
1.	Laptop i7, ITB HDD Core i7, 8 GB Ram 14", 250-500 HDD, Graphic Card	7	0.450	3.150	0.000	3.150
2.	Desktop Computer with accessories	3	0.390	1.170	0.000	1.170
3.	Furniture	LS	LS	5.000	19.000	24.000
4.	Dispenser	5	0.080	0.000	0.400	0.400
5.	Solar System 350KVA	1	Job	0.000	50.510	50.510
6.	Generator (20KVA & 50KVA)	2	3.000 / 4.000	7.000	0.000	7.000
7.	Fridge & Deep Freezer	4	0.175	0.000	0.700	0.700
8.	UPS (10 KVA)	1	3.707	0.000	3.707	3.707
9.	LEDs	2	1.200	0.000	2.400	2.400
10.	Air Cooler	10	0.045	0.000	0.450	0.450
11.	Heater	15	0.040	0.000	0.600	0.600
12.	Medical Equipment	LS	401.665	51.970	349.695	401.665
Sub-Total:				68.290	427.462	495.752
TRANSPORT						
1.	Purchase of 4x4 double cabin Pick-ups 2500cc (Pool vehicle for transporting veterinary doctors and staff during wildlife rescue operations along with rescue equipment)	1	15,359,000	15.359	0.000	15.359
2.	Purchase of 16ft Truck 2771cc (Animal Ambulance)	1	6,800,000	6.800	0.000	6.800
3.	Purchase of 16ft Truck 2771cc (Animal Shifting Truck)	1	6,800,000	6.800	0.000	6.800
4.	Purchase of 1500cc car (for Project Director)	1	5,849,000	5.849	0.000	5.849
5.	Electric Bike (for mobile veterinary service)	5	650,000	3.250	0.000	3.250
Sub-Total:				38.058	0.000	38.058
Grand Total:				106.348	427.462	533.810

APPENDIX – V**COST OF ESTABLISHMENT (PPS)****(Rs. in million)**

Sr.#	Title	PPS	No. of Posts	Salary Range	1st Year Per Month Salary (2024-25)	2024-25	2025-26	Cost
1.	Project Director*	9	1	(306,250 - 502,250)	450,000	2.700	5.832	8.532
2.	Director Veterinary Services*	9	1	(306,250 - 502,250)	450,000	2.700	5.832	8.532
3.	Senior Wildlife Veterinarian*	8	2	(218,750 - 358,750)	320,000	3.840	8.294	12.134
4.	Nutritionist / Food Technologist	8	1	(218,750 - 358,750)	320,000	1.920	4.148	6.068
4.	Wildlife Veterinarian	7	4	(157,500 - 258,300)	235,000	5.640	12.182	17.822
5.	Radiographer	5	1	(70,000 - 112,000)	100,000	0.600	1.320	1.920
6.	Documentation Officer	5	1	(52,500 - 84,000)	100,000	0.600	1.320	1.920
7.	Head Animal Care-taker	5	1	(70,000 - 112,000)	100,000	0.600	1.320	1.920
8.	Lab Technician	5	2	(70,000 - 112,000)	100,000	1.200	2.640	3.840
9.	Documentation Assistant	4	1	(52,500 - 84,000)	75,000	0.450	0.990	1.440
10.	Animal Care-taker	4	8	(52,500 - 84,000)	75,000	3.600	7.920	11.520
11.	Hatchery Operator	2	2	(35,000 - 56,000)	50,000	0.600	1.320	1.920
12.	Animal Attendant	2	6	(35,000 - 56,000)	50,000	1.800	3.960	5.760
Total:			30			26.250	57.078	83.328

- Incentive Allowance of Rs.175,000/- per month is proposed as per FD letter NO.FD.SR-II/9-131/2020 dated 05.10.2022. Till recruitment of Project Director, Director Veterinary Services and Senior Wildlife Veterinarians, senior officers amongst the already working Deputy Directors Wildlife and Veterinary Officers respectively of Punjab Wildlife & Parks Department shall be posted / given additional charge.
- Detail of PPS posts including selection criteria is annexed.

APPENDIX – VI**COMMODITIES & SERVICES**

(Rs. in million)

Sr. #	Items	2024-25	2025-26	Total
1.	Service Rendered*	12.000	20.000	32.000
2.	Consultancy**	15.000	15.000	30.000
3.	Office Stationery	1.000	1.000	2.000
4.	P.O.L. Charges	4.000	13.000	17.000
5.	T.A	5.000	30.000	35.000
6.	Electricity Charges	1.500	4.500	6.000
7.	Transport (Repair and Modification of existing & new vehicle)	20.000	5.000	25.000
8.	Publicity & Advertisement Charges	6.000	4.000	10.000
9.	Rates & Taxes	3.000	1.000	4.000
10.	Repair & Maintenance of Machinery	1.000	3.000	4.000
11.	Printing & Publication Charges	1.000	1.000	2.000
12.	Uniform	0.700	0.900	1.600
13.	Hot & Cold	0.300	0.500	0.800
14.	Maintenance of Garden	0.000	5.000	5.000
15.	Cost of Other Store	0.000	1.500	1.500
16.	Chemicals & Medicine	5.000	35.000	40.000
17.	Contingent Paid Staff	3.600	7.200	10.800
18.	Foreign Veterinary Trainings (such as South Africa, UAE, New Zealand, Australia, etc.)	30.000	65.000	95.000
19.	Domestic Trainings	1.000	4.000	5.000
20.	App for Hospital	5.000	0.000	5.000
		115.100	216.600	331.700
21.	2% Contingency	2.302	4.332	6.634
Total:		117.402	220.932	338.334

- * Cost of Networking, CCTV System, Outsourced Staff (Driver, Sweeper, Office Boy)
- ** Development of operational SOPs for Hospital e.g. animal restraining, handling and shifting; diagnostic lab; anaesthesia usage; necropsy; quarantine; emergency plan; sensitive equipment usage; human and animal safety.

APPENDIX-VII**SUMMARY OF COST****(Rs. in million)**

Sr. #	Component	2024-25	2025-26	Total
1.	Conservancy & Works	450.000	68.259	518.259
2.	Machinery, Store, Tools & Equipment	68.290	427.462	495.752
3.	Transport	38.058	0.000	38.058
4.	Cost of Establishment	26.250	57.078	83.328
5.	Commodities & Services	117.402	220.932	338.334
Total:		700.000	773.731	1473.731

APPENDIX- VIII**ANNUAL RECURRING COST AFTER COMPLETION OF SCHEME**

Sr. No.	Particulars	1st Year	2nd Year	3rd Year	Total
1.	Maintenance of Conservancy & Works	63.390	69.729	76.702	209.821
2.	Maintenance of Machinery, Stores & Equipments	2.000	4.500	5.500	12.000
3.	Maintenance of Vehicles i/c POL Charges	2.000	2.500	3.500	8.000
4.	Pay & Allowances of Staff	37.063	42.623	49.016	128.702
5.	Other / Contingencies	2.000	3.000	4.000	9.000
Total:		106.453	122.352	138.718	367.523

APPENDIX- IX

BENEFITS / COST RATIO

The key benefits of the scheme are provided as follows;

1. Provides specialized medical care and rehabilitation for diverse wildlife species.
2. Facilitates successful rehabilitation and release of rescued wildlife.
3. Offers practical training and research opportunities for students and researchers.
4. Educates the public about wildlife care and conservation through interactive tours.
5. Stimulates local economy through job creation and increased tourism.
6. Fosters partnerships with national and international wildlife organizations.
7. Enhances veterinary skills through local and international training programs.
8. Integrates eco-friendly design and operational practices to minimize environmental impact.

RESULT-BASED MONITORING (RBM) INDICATORS

Sr. No.	Input	Output	Outcome	Baseline Indicator	Targets after Completion of Project
1.	Construction of Wildlife Veterinary Hospital	State-of-the-art facility for wildlife medical care	Improved health and rehabilitation outcomes for wildlife	No advanced wildlife veterinary hospital in Pakistan	Fully operational state-of-the-art wildlife veterinary hospital
2.	Procurement of Advanced Medical Equipment	Equipped facility with diagnostic and surgical tools	Enhanced diagnostic and treatment capabilities for wildlife	Limited diagnostic and surgical facilities for wildlife	Full range of advanced diagnostic and surgical equipment available
3.	Recruitment and Training of Veterinary Personnel	Skilled staff for wildlife care and research	Increased expertise and quality of wildlife care	Insufficient specialized training and expertise available	Trained veterinary staff proficient in advanced wildlife care
4.	Development of Educational and Research Programs	Educational workshops and research opportunities	Enhanced wildlife care knowledge and conservation efforts	Lack of structured research and educational programs	Established educational programs and active research initiatives
5.	Implementation of Public Education and Outreach	Interactive tours and public awareness campaigns	Increased public knowledge and support for wildlife care	Minimal public engagement and awareness on wildlife care	Regular public tours and educational sessions conducted
6.	Establishment of Partnerships and Collaborations	Collaborations with international and national entities	Strengthened global and local wildlife conservation efforts	Limited partnerships and collaborations in wildlife care	Established partnerships with international organizations and research institutes
7.	Integration of Sustainable Design and Practices	Eco-friendly hospital operations	Minimized environmental impact and improved sustainability	Traditional construction and operational practices	Implemented sustainable practices and reduced environmental footprint

RECRUITMENT CRITERIA

Sr. No.	Post	PPS	No. of Posts	Job Qualification and Experience
1	Project Director	9	1	Minimum 16 years' education in Project Management/ Construction Management/Natural Resource Management/Civil Engineering/Engineering Management or relevant field At-least 15 years' relevant post qualification experience. PMP, Prince2, Agile, CAPM, or similar certification will be preferred. Maximum age limit 50 years. *Till regular posting of Project Director, any officer in at least BS-18 from Wildlife & Parks Department or S&GAD shall be posted / given additional charge.
2	Director Veterinary Services	9	1	DVM degree from a recognized University having 12 years of experience in BS-17 or above or equivalent private sector experience in wildlife veterinary practice / management & having a valid registration with Pakistan Veterinary Medical Council. Note: Experience in private entities shall be accepted if such entity is registered with Securities & Exchange Commission of Pakistan, Registrar of Firms or any other Regulatory Authority / Department. Till hiring of a regular incumbent, a suitable Veterinary Officer from Punjab Wildlife & Parks with at least 12 years of experience shall be posted. Age limit – 45 years.
3	Nutritionist / Food Technologist	8	1	DVM Degree plus MPhil Animal Nutrition from a recognized University having three years' related experience in BS-17 or equivalent private sector; and having a valid registration with Pakistan Veterinary Medical Council. Note: Experience in private entities shall be accepted if such entity is registered with Securities & Exchange Commission of Pakistan, Registrar of Firms or any other Regulatory Authority / Department. Age limit – 40 years.

Annexure11 - Recruitment Criteria

4	Senior Wildlife Veterinarian	8	2	DVM Degree from a recognized University having five years' experience in BS-17 or equivalent private sector experience in wildlife veterinary practice; and having a valid registration with Pakistan Veterinary Medical Council. Note: Experience in private entities shall be accepted if such entity is registered with Securities & Exchange Commission of Pakistan, Registrar of Firms or any other Regulatory Authority / Department. Age limit – 40 years.
5	Wildlife Veterinarian	7	4	Minimum education of Doctor of Veterinary Medicine or equivalent degree from a recognized university; and having a valid registration with Pakistan Veterinary Medical Council. Maximum age limit 35 years.
6	Radiographer	5	1	Secondary School (second division) (science subjects) from a recognized Board; and X-Ray Technician Diploma / any related certification in Radiography. At least 05 years of post-qualification experience. Age limit – 35 years
7	Documentation Officer	5	1	Graduate from a recognized university; and a speed of 100 words per minute in shorthand in English and 40 words per minute in typing. Age limit – 28 years.
8	Head Animal Care-taker	5	1	Secondary School (second division) (science subjects) from a recognized Board; and Two years' diploma of Veterinary Assistant or Livestock Assistant from a recognized Institute. Candidate must have at least 02 years of post- qualification experience at a government or private registered entity. Age limit – 35 years.
9	Lab Technician	5	2	Secondary School (second division) (science subjects) from a recognized Board. Lab technician / medical lab technician diploma (2 years) from a recognized institute with at least 3 years' experience Age limit – 35 years.
10	Documentation Assistant	4	1	Intermediate or equivalent qualification from a recognized Board and a speed of 25 words per minute in Shorthand in English and as well as Proficiency in MS office. Maximum age limit 25 years

Annexure11 - Recruitment Criteria

11	Animal Care-taker	4	8	Secondary School (second division) (science subjects) from a recognized Board; and 2 years' diploma of Veterinary Assistant or Livestock Assistant from a recognized Institute. Age limit – 35 years.
12	Hatchery Operator	2	2	Matriculation with Science with 2 years' experience in maintenance of Hatchery. Age limit – 40 years.
13	Animal Attendant	2	6	Middle Age limit – 25 years.

RECRUITMENT PLAN OF HUMAN RESOURCE

Particulars	2024-25		
	January	February	March
Advertisement			
Receipt of Applications			
Scrutiny of Documents / Shortlisting of Candidates			
Test / Interview			
Selection of Candidates			
Issuance of offer letters / orders			
Medical fitness / Joining			

IMPLEMENTATION / WORK / ACTIVITY PLAN**CONSERVANCY AND WORKS**

(Rs. in Million)				
Sr. #	Description	Cost	2024-25	2025-26
1.	Construction of Hospital Building i/c HVCA System and Power wiring complete in all respects.	229.357		
2	Construction of Brooding Room Building i/c Power wiring complete in all respects.	3.298		
3.	Construction of General Hatchery i/c Power wiring complete in all respects.	3.904		
4.	Construction of Ostrich Hatchery i/c Power wiring complete in all respects.	1.506		
5.	Construction of Bear & Leopard Building and Cages complete in all respects.	44.884		
6.	Construction of Monkey Building and Cages complete in all respects.	7.391		
7.	Construction of Necroscopy Building i/c Power wiring complete in all respects.	1.985		
8.	Construction of Commissary Building complete in all respects.	12.975		
9.	Construction of Store complete in all respects.	2.448		
10.	Construction of Water Therapy complete in all respects.	5.255		
11.	Construction of Sand Therapy complete in all respects.	1.390		
12.	Construction of Duck Pond complete in all respects.	2.807		
13.	Construction of Revamping of sick cages complete in all respects.	30.000		
14.	Construction of Accommodation Block i/c compound wall complete in all respects.	22.342		
15.	Installation of Room AC 1.5 ton Capacity inverter type Heat and Cooled system i/c copper pipe with rapping complete in all respects.	8.771		
16.	Installation of ½ Cusec Turbine with Boring and Turbine Chamber complete in all respects.	10.119		

Annexure13 - Implementation Plan

Sr. #	Description	Cost	2024-25	2025-26
17.	Construction of Over Head Water Reservoir complete in all respects.	15.000		
18.	Construction of Septic Tank / Garki complete in all respects.	12.600		
19.	Installation of L.T, H.T Panels & 630 KVA Transformer complete in all respects.	8.642		
20.	Proving and Fixing Firefighting and Fire Alarm systems complete in all respects.	12.691		

IMPLEMENTATION / WORK / ACTIVITY PLAN**MACHINERY, STORES, TOOLS & EQUIPMENT**

(Rs. in million)

Sr. No.	Items	Cost	2024-25	2025-26
1.	Laptop i7, ITB HDD Core i7, 8 GB Ram 14", 250-500 HDD, Graphic Card	3.150		
2.	Desktop Computer with accessories	1.170		
3.	Furniture	24.000		
4.	Dispenser	0.400		
5.	Solar System 350KVA	50.510		
6.	Generator (20KVA & 50KVA)	7.000		
7.	Fridge & Deep Freezer	0.700		
8.	UPS (10 KVA)	3.707		
9.	LEDs	2.400		
10.	Air Cooler	0.450		
11.	Heater	0.600		
12.	Medical Equipment	401.665		

TRANSPORT

(Rs. in million)

Sr. No.	Items	Cost	2024-25	2025-26
1.	Purchase of 4x4 double cabin Pick-ups 2500cc (Pool vehicle for transporting veterinary doctors and staff during wildlife rescue operations along with rescue equipment)	15.359		
2.	Purchase of 16ft Truck 2771cc (Animal Ambulance)	6.800		
3.	Purchase of 16ft Truck 2771cc (Animal Shifting Truck)	6.800		
4.	Purchase of 1500cc car (for Project Director)	5.849		
5.	Electric Bike (for mobile veterinary service)	3.250		

IMPLEMENTATION / WORK / ACTIVITY PLAN**COMMODITIES & SERVICES**

(Rs. in million)				
Sr. #	Items	Cost	2024-25	2025-26
1.	Service Rendered	32.000		
2.	Consultancy	30.000		
3.	Office Stationery	2.000		
4.	P.O.L. Charges	17.000		
5.	T.A	35.000		
6.	Electricity Charges	6.000		
7.	Transport (Repair and Modification of existing & new vehicle)	25.000		
8.	Publicity & Advertisement Charges	10.000		
9.	Rates & Taxes	4.000		
10.	Repair & Maintenance of Machinery	4.000		
11.	Printing & Publication Charges	2.000		
12.	Uniform	1.600		
13.	Hot & Cold	0.800		
14.	Maintenance of Garden	5.000		
15.	Cost of Other Store	1.500		
16.	Chemicals & Medicine	40.000		
17.	Contingent Paid Staff	10.800		
18.	Foreign Veterinary Trainings (such as South Africa, UAE, New Zealand, Australia, etc.)	95.000		
19.	Domestic Trainings	5.000		
20.	App for Hospital	5.000		
21.	2% Contingency	6.634		

ANNUAL PROCUREMENT PLAN IN LINE WITH PPRA (2024-25)

Sr No.	Name of Procurement (Description)	Estimated Cost	Quantity	Procurement Method	Tentative date of Procurement Notice Publication	Tentative date of Award of contract	Tentative date of completion	Remarks (if any)
2024-25								
1.	Laptop i7, ITB HDD Core i7, 8 GB Ram 14", 250-500 HDD, Graphic Card	3.150	07	Tender	15.01.2025	25.02.2025	25.04.2025	
2.	Desktop Computer with accessories	1.170	03	Tender	15.01.2025	25.02.2025	25.04.2025	
3.	Generator (20KVA & 50KVA)	7.000	02	Tender	15.01.2025	25.02.2025	25.04.2025	
4.	Medical Equipment	51.970	L.S	Tender	15.01.2025	25.02.2025	25.06.2025	
5.	Furniture	5.000	L.S	Tender	15.01.2025	25.02.2025	25.03.2025	
6.	Purchase of 4x4 double cabin Pick-ups 2500cc (Pool vehicle for transporting veterinary doctors and staff during wildlife rescue operations along with rescue equipment)	15.359	1	Direct Contracting	-	15.02.2025	15.04.2025	

7.	Purchase of 16ft Truck 2771cc (Animal Ambulance)	6.800	1	Direct Contracting	-	15.02.2025	15.04.2025	
8.	Purchase of 16ft Truck 2771cc (Animal Shifting Truck)	6.800	1	Direct Contracting	-	15.02.2025	15.04.2025	
9.	Purchase of 1500cc car (for Project Director)	5.849	1	Direct Contracting	-	15.02.2025	15.04.2025	
10.	Electric Bike (for mobile veterinary service)	3.250	5	Direct Contracting	-	15.02.2025	15.04.2025	
2025-26								
1.	Dispenser	0.400	05	Tender	01.08.2025	15.09.2025	15.10.2025	
2.	Solar System 350KVA	50.510	01	Tender	01.08.2025	15.09.2025	15.12.2025	
3.	Fridge & Deep Freezer	0.700	04	Tender	01.08.2025	15.09.2025	15.10.2025	
4.	UPS (10 KVA)	3.707	01	Tender	01.08.2025	15.09.2025	15.10.2025	
5.	LEDs	2.400	02	Tender	01.08.2025	15.09.2025	15.10.2025	
6.	Air Cooler	0.450	10	Tender	01.08.2025	15.09.2025	15.10.2025	

7.	Heater	0.600	15	Tender	01.08.2025	15.09.2025	15.10.2025	
8.	Medical Equipment	349.695	L.S	Tender	01.08.2025	15.11.2025	15.05.2026	
9.	Furniture	19.000	L.S	Tender	01.08.2025	15.09.2025	15.10.2025	

RISK MITIGATION STRATEGY

Sr. No.	Risks	Causes / Factors	Effects	Risk Mitigation Plan	Institution/s Responsible to take corrective measures to mitigate risks	Nature of Risk
1.	Lack of funds for timely execution of the project.	No funds released by provincial Government.	Delay results in increase in project cost.	Government may prioritize funding for the project considering its impact / importance.	P&D Department, Finance Department	High
2.	Insufficient funding for the execution of the project.	Short funding of project.	Delay results in increase in project cost.	Government may prioritize funding for the project considering its impact / importance.	P&D Department, Finance Department	
3.	Non-timely release of funds for the execution of the project.	Delay in release of funds due to approval / procedural matters.	Delay results in increase in project cost.	Timely initiation of approval procedure to ensure early processing of case for release of funds.	Wildlife & Parks Department, IDAP	
4.	Delay / failure to undertake procurement.	Uncertain economic situation may result in delay in delivery of hardware. Uncertain economic situation may result in price escalation of hardware.	Hindrance in implementation of project.	Reference may timely be initiated to complete the project activity	Wildlife & Parks Department, IDAP	

TRAINING MANUAL FOR STATE-OF-THE-ART WILDLIFE VETERINARY HOSPITAL**Training Program Overview**

Training Module	Objective	Content	Location
1. Animal Restraining, Handling, and Shifting	To ensure safe and effective methods for restraining, handling, and shifting wildlife.	Restraining techniques Handling procedures Shifting protocols Safety measures	Wildlife Veterinary Hospital, Lahore
2. Diagnostic Laboratory Operations	To train staff in conducting accurate diagnostic tests and maintaining laboratory standards.	Sample collection Diagnostic procedures Equipment maintenance Calibration	Diagnostic Lab, Lahore
3. Anesthesia Usage	To ensure safe and effective administration of anesthesia for wildlife procedures.	Types of anesthesia Administration techniques Monitoring and management Emergency Procedures	Wildlife Veterinary Hospital, Lahore
4. Necropsy Procedures	To provide detailed procedures for performing necropsies and handling specimens.	Necropsy techniques Safety and hygiene Documentation Reporting	Wildlife Veterinary Hospital, Lahore
5. Quarantine Protocols	To ensure effective quarantine procedures to prevent disease spread.	Quarantine procedures Monitoring and management Hygiene and containment	Quarantine Facilities, Lahore
6. Emergency Plan	To prepare staff for effective response to emergencies involving wildlife and facility issues.	Emergency preparedness Response procedures Evacuation plans Communication protocols	Wildlife Veterinary Hospital, Lahore
7. Sensitive Equipment Usage	To train staff in the proper use, maintenance, and	Operating procedures Maintenance Calibration Troubleshooting	Diagnostic Lab, Lahore

Training Module	Objective	Content	Location
	troubleshooting of sensitive equipment.		
8. Human and Animal Safety	To ensure safety and hygiene practices for both staff and wildlife.	PPE usage Hygiene and sanitation First aid Safe work practices	Wildlife Veterinary Hospital, Lahore

TENTATIVE FOREIGN TRAININGS PLAN

International Trainings:

- South Africa – 2 week training (focused on equipment and drug usage, darting, capturing, predator management, telemetry, disease management etc.
- Oakland Zoo Hospital – 2 week training (focused on advanced veterinary care, treatment and rehabilitation procedures).
- Toronto Zoo Hospital – 2 week training
- UAE Safari Management training – 2 week training (Dubai Safari, Al' Ain Safari)

Domestic Training:

In collaboration with UVAS on various aspects such as Anaesthesia usage, ultrasonography, radiology, endoscopy, laboratory analysis, intensive care training, etc.

Note: Plan is subject to availability / consent of host institutes, therefore subject to change.



NO.12(9) PO(COORD-II)P&D/2024
GOVERNMENT OF THE PUNJAB
PLANNING & DEVELOPMENT BOARD
Dated Lahore the 19th October, 2024

Off # 042-99059302

1. The Secretary to Government of the Punjab,
 - i. Finance Department
 - ii. FW&F Department
 - iii. Environment Protection Department
2. The Chief Economist/ All Members, P&D Board.
3. The Director, Punjab Economic Research Institute (PERI).
4. The Director General, Monitoring & Evaluation (M&E).
5. The Chief Executive Officer, Urban Unit, Lahore.

Subject: **MINUTES / DECISIONS OF THE MEETING OF PROVINCIAL DEVELOPMENT WORKING PARTY (PDWP). (SECTOR: FW&F)**

I am directed to enclose herewith a copy of minutes of **37th PDWP meeting held on 15th October, 2024** under the chairmanship of Chairman P&D Board, for information and further necessary action of the following Item(s):-

Agenda Item No.	Name of the Item	ADP No. (2024-25)	Status
1	Establishment of State of the Art Wildlife Hospital at Safari Zoo, Lahore.	3270 (New)	Approved
2	Chief Minister Wildlife Rescue Force	3272 (New)	Approved
3	Immersive Wildlife Experience (Cinema and moving theatre) in Punjab	3273 (New)	Approved

Abraham Mall

(ABRAHAM MALL)
PLANNING OFFICER (COORD-II)

A Copy, along-with copy of the minutes, is forwarded to the:

Sr. No.	PARTICULARS
	PLANNING & DEVELOPMENT BOARD:
1	Sr. Chiefs:- (Coord. & Mont.), ENV & FW&F / Chiefs: ECA, Technical, Consultancy / Consultant (Coord)
2	Manager (MIS) P&D Board
3	PSO to Chairman, P&D Board.
4	PS to Secretary, P&D Board.
	C.C.
7	Chief (ENV & CC), M/o Planning, Dev. & Special Initiatives, Govt. of Pakistan, "P" Block, Pak Secretariat, Islamabad.

Abraham Mall

PLANNING OFFICER (COORD-II)

GOVERNMENT OF THE PUNJAB PLANNING & DEVELOPMENT BOARD FW&F SECTION	
MINUTES OF 37 TH PDWP MEETING HELD ON 15.10.2024	
Agenda Item No. 1	Establishment of State of the Art Wildlife Hospital at Safari Zoo, Lahore. ADP No. 3270 (New)
Date & Time:	15.10.2024 (Tuesday) At 09:30 A.M
Venue:	Auditorium P&D Board
Participants:	List Attached

Chief (Env.&CC.), P&D Board briefed the forum that the project titled "Establishment of State of the Art Wildlife Hospital at Safari Zoo, Lahore" has been included in ADP 2024-25 at Gs. No. 3270 as a new scheme having an allocation of Rs. 700.00 million. She added that the FWF Department submitted the PC-I of the subject scheme at a cost of Rs. 2,494.215 million with a gestation period of 36 Months (2024-2027) for consideration by the PDWP.

2. She further informed the house that the PC-I of the subject scheme was presented before 32nd PDWP on 27-09-2024, wherein the forum deferred the scheme with the following decisions:

- i. AD to rationalize the cost of the scheme and resubmit the case to PDWP for approval / consideration.
- ii. AD may coordinate with UVAS for expertise in animal treatment.

3. She added that in the light of aforementioned decisions, AD has reduced the cost of the scheme from Rs. 2,494.215 million to Rs. 1,690.755 million. Also, the executing agency of the project has been changed from IDAP to the C&W Department and the Energy Department along with the FWF Department.

DISCUSSION:

4. The Chief Economist, P&D Board inquired about the consultation made by AD with UVAS. The Director General Wildlife & Parks responded that the PC-I has already been made with the consultation of UVAS, Four Paws, Toronto Zoo & Riyadh Zoo. The Chief Economist, P&D Board was of the view that the diagnostic labs of Livestock & Dairy Development Department are fully equipped and the FWF Department can use these facilities like pathology, and radiology as well. However, the DG Wildlife & Parks was of the view that livestock and wildlife have different domains and treating wildlife animals is completely different from livestock animals. Moreover, the department has focused on mainly portable equipment to use in the diagnostics of wildlife animals. The Secretary FWF Department added that further collaborations with the L&DD Department and UVAS will continue in the future.

5. Member (Energy), P&D Board asked about the number of cases the department received daily regarding medical treatment. The DG Wildlife & Parks responded that these days around 40 cases per day have been treated by a single veterinary doctor available in the Safari Zoo, Lahore. The Chair was of the view that

6. While discussing the human resource under the project, the Chair highlighted that the nomenclature of the proposed project posts should be different from the regular posts of the department. The DG Wildlife & Parks assured that the nomenclature of all the proposed posts does not exist in the department. Furthermore, all the posts proposed in the project are necessary for running the hospital. The Chief Economist, P&D Board opined that the post of "Nutritionist / Food Technologist" may also be added in the human resource to cater to the animal nutritional and health care needs.

7. The Senior Chief (RP), P&D Board was of the view that posts should be created in SNE after the completion of the project. There is no such need for human resources till the completion of the civil work of the project. The Secretary FWF Department responded that the Safari Zoo, Lahore is an operational facility that has a large number of bird and animal species, moreover, a large number of species are in the process of import as well. Consequently, the proposed staff is urgently required to cater to the healthcare needs of the animals at Safari Zoo. Furthermore, the DG Wildlife & Parks added that the department has focused mainly on portable diagnostic equipment under the project, which will be immediately procured, therefore, human resources will be required to operate them. The chair also inquired regarding the rationale for the post of Project Director in view of the already proposed Director of Veterinary Services. The DG Wildlife & Parks replied that an additional charge for the post of Project Director will be provided to an officer of the department for the execution of the project, while the Director of Veterinary Services will exclusively cater to the veterinary aspects of the project.

8. The Chair was of the view that the proposed residences under the scheme should not be designated, and instead, hostel accommodation to cater to the officer / staff needs of the Hospital may be constructed.

DECISIONS:

9. After detailed deliberations, the scheme was approved by PDWP and following decisions were made:

- i. Scope and specifications of civil work shall be vetted from Technical section, P&D Board.
- ii. ToRs for development of operational SOPs for hospital to be cleared from Consultancy section, P&D Board.
- iii. Solar system for veterinary hospital building 350 KVA @ Rs. 88.879 million to be cleared from Energy section, P&D Board
- iv. The post of Nutritionist / Food Technologist may be added in the project.
- v. Hostels (single or double rooms) may be constructed instead of designated residencies.
- vi. High-end specifications will not be used by the C&W Department in construction work. The design of all buildings should be single storey and does not effect the eco-system of wildlife (less concrete and more natural habitat)
- vii. All the E-Bikes and vehicles procured by the AD shall be properly branded as the property of FWF Department.
- viii. AD to revise the PC-I accordingly and upload on SMDP Portal.

Meeting ended with a vote of thanks.

MINUTES OF 37 TH PDWP MEETING HELD ON 15.10.2024	
Agenda Item No. 2	Chief Minister Wildlife Rescue Force. ADP No. 3272 (New)
Date & Time:	15.10.2024 (Friday) At 10:00 A.M
Venue:	Auditorium P&D Board
Participants:	List Attached

Chief (Env.&CC.), P&D Board briefed the forum that the project titled "Chief Minister Wildlife Rescue Force" has been included in ADP 2024-25 at Gs. No. 3272 as a new scheme with an allocation of Rs. 750.00 million. She added that the FWF Department submitted the PC-I of the subject scheme at a cost of Rs. 5,859.628 million with a gestation period of 36 Months (2024-2027) for consideration by the PDWP.

2. She further informed the house that the PC-I of the subject scheme was presented before 32nd PDWP on 27-09-2024, wherein the forum deferred the scheme with the following decisions:

- i. AD to rationalize the cost of the scheme.
- ii. After making necessary amendments and cost reductions, AD may bring the case again before PDWP for approval / consideration.

3. She added that in the light of aforementioned decisions, AD has reduced the cost of the scheme from Rs. 5,859.628 million to Rs. 2,363.46 million. Also, the executing agency of the project has been changed from IDAP to C&W Department along with FWF Department.

DISCUSSION:

4. The Director General Wildlife & Parks briefed the house that as per the discussion of the last PDWP dated 27-09-2024, the location of the rescue center at Lahore has been changed from Jallo Park, Lahore to Safari Zoo, Lahore. He further added that the main objective of this scheme is to rescue the animals/birds kept illegally or are treated badly.

The Chair inquired about the usage of 12 no. laptops proposed under this scheme. The DG Wildlife & Parks responded that the laptops are required for veterinary usage (record keeping, etc) as well as for drone use for rescue purposes as these are to be connected to laptops. However, the Secretary, FWF Department agreed to reduce the no. of laptops from 12 to 09.

6. The Chair raised a query about spending Rs. 200 million on 50 no. GPS collar trackers for birds & animals. The DG Wildlife & Parks responded that the use of GPS transmitters represents a significant step toward strengthening wildlife conservation and research efforts in Punjab. The technology although widely used around the world for research and informed conservation decision-making, is a new field for the Government sector. The department routinely rescues animal and bird species (over 350 animals and

released into their natural habitat after necessary treatment/rehabilitation without any form of tagging. He further added that the use of GPS technology will enable the department to monitor species of concern such as Common Leopard, Punjab Urial, Black Buck, Chinkara, Houbara Bustard, and Gaviel, as well as migratory species, including falcons, waterfowls, etc. Tracking these species will help in generating critical data about their behavior, habitat use, and movement patterns. For migratory birds, the transmitters will provide valuable insights into their migratory routes, stopover locations, and wintering grounds, which are essential to ensuring their protection. This data will also allow the department to understand changes in migration patterns due to factors like climate change or habitat destruction, which can further inform habitat conservation strategies. The generated data will be analysed and incorporated into the GIS-based mapping through the network of GIS nodes operating across Punjab.

7. The DG Wildlife & Parks was of the view that beyond tracking migratory species, the initiative will also support local wildlife management, particularly for animals such as leopards and ungulates, by identifying movement corridors and territorial boundaries. This knowledge is vital for mitigating human-wildlife conflicts, such as leopards entering human settlements or grazing areas, allowing the department to take proactive measures. Globally, GPS tracking has proven to be an essential tool for conservation. For example, organizations like the Snow Leopard Trust and WWF use GPS devices to monitor endangered species and protect critical habitats. Similarly, the study of bird migration by collecting real-time tracking data helps to guide conservation efforts at both local and international levels. By adopting similar technology, the Punjab Wildlife & Parks Department aligns itself with these global conservation frameworks while also advancing Pakistan's National Biodiversity Strategy and Action Plan (NBSAP), which emphasizes the importance of scientific research and habitat protection.

8. He further explained that the long-term conservation benefits of this project far outweigh the initial investment. The information gathered will allow for evidence-based policymaking, including improved protected area management and the development of wildlife corridors. It will also contribute to international conservation efforts under frameworks like CITES (Convention on International Trade in Endangered Species) and the UN Sustainable Development Goals (SDGs), specifically Goal 15, which focuses on biodiversity conservation. Additionally, partnerships with research organizations, universities, and NGOs will enhance the initiative's impact by facilitating data analysis and collaborative research. The initiative will open avenues to collaborate and engage universities and research organizations, extending the project's impact beyond immediate conservation needs. Furthermore, by partnering with academic institutions, the department can foster research-driven conservation strategies while sharing the burden of data analysis and interpretation. Universities can use this tracking data to conduct long-term ecological studies on species' behaviour, migration patterns, and ecosystem interactions. Moreover, involving students and researchers in these projects will help build local capacity in conservation science, ensuring future generations are equipped to tackle biodiversity challenges. The proposed project component will enable the Punjab Wildlife &

Parks Department to take proactive, science-based conservation actions that safeguard biodiversity and promote coexistence between wildlife and human communities.

9. After the aforementioned detailed discussion, the Chair directed to constitute a Technical Committee, headed by the DG Wildlife & Parks, having members from IUCN, WWF, academia, NGOs, and field experts to streamline the use of GPS transmitters scientifically.

10. While discussing the human resources under the project, the Chair highlighted that the nomenclature of the proposed project posts should be different from the regular posts of the department. The DG Wildlife & Parks assured that the nomenclature of all the proposed posts does not exist in the department. Furthermore, the human resource proposed under the project was discussed and deliberated in detail. The Chair was of the view that rescue of animals / birds is a regular activity of the department and huge investment is being made under this project by procuring expensive equipment, therefore, it was directed that human resources proposed under the project should be permanent and hired through creation of SNE from the Finance Department.

11. While discussing the transport component of the project, including 04 nos. off-road SUVs, 06 nos. 4x4 Single Cabins, 03 nos. trucks and 30 nos. e-bikes, the Chair inquired regarding the use of 4x4 SUVs. The DG W&P explained that the 4x4 off-road SUV is the best suitable vehicle for the rough terrains of Punjab, while it is less costly and maintainable than its alternate 4x4 Double Cabin. The forum agreed with the transport proposed under the project.

12. The Chair was of the view that instead of developing a separate staff hostel under this project for Lahore site the hostel facility established under another scheme titled "Establishment of State of the Art Wildlife Hospital at Safari Zoo, Lahore" may be used.

DECISIONS:

13. After detailed deliberations, the scheme was approved by PDWP with the following decisions:

- i. A Technical Committee, headed by the DG Wildlife & Parks, having members from IUCN, WWF, academia, NGOs, and field experts shall be constituted to streamline the use of GPS transmitters scientifically
- ii. Scope and specifications of civil work shall be vetted from Technical section, P&D Board.
- iii. No. of laptops be reduced from 12 to 09.
- iv. Staff hostel proposed in Lahore site may be deleted and the hostel facility developed under scheme titled "Establishment of State of the Art Wildlife Hospital at Safari Zoo, Lahore" will be used.
 - i. Finance Department may be approached for creation of SNE.
 - ii. High-end specifications will not be used by the C&W Department in construction work (less brick and mortar and close to natural habitat).
 - iii. All E-Bikes and vehicles procured by the AD shall be properly branded as the property of FWF Department.
- iv. AD to revise the PC-I accordingly and upload on SMDP Portal.

Meeting ended with a vote of thanks

ASSTANT CHIEF
P&D BOARD
WILDLIFE & PARKS
GOVT. OF PUNJAB, LAHORE

GOVERNMENT OF THE PUNJAB PLANNING & DEVELOPMENT BOARD FW&F SECTION	
MINUTES OF 37 TH PDWP MEETING HELD ON 15.10.2024	
Agenda Item No. 3	Immersive Wildlife Experience (Cinema and Moving Theatre) in Punjab. ADP No. 3273 (New)
Date & Time:	15.10.2024 (Tuesday) At 11:00 A.M
Venue:	Auditorium P&D Board
Participants:	List Attached

Chief (Env.&CC.), P&D Board briefed the forum that the project titled "Immersive Wildlife Experience (Cinema and Moving Theatre) in Punjab" has been included in ADP 2024-25 at Gs. No. 3273 as a new scheme with an allocation of Rs. 400.00 million. She added that the FWF Department submitted the PC-I of the subject scheme at a cost of Rs. 2,014.928 million with a gestation period of 24 Months (2024-2026) for consideration by the PDWP.

2. She further informed the house that the PC-I of the subject scheme was presented before 32nd PDWP on 27-09-2024, wherein the forum deferred the scheme with the following decisions:

- i. AD to rationalize the cost of the scheme,
- ii. AD to provide detailed operational / business model,
- iii. After making necessary amendments and cost reductions, AD may bring the case again before PDWP for approval / consideration

3. She added that in the light of aforementioned decisions, AD has reduced the cost of the scheme from Rs. 2,014.928 million to Rs. 1,788.847 million.

DISCUSSION:

4. The Director General Wildlife & Parks briefed the house that initially 02 cinemas were proposed at Safari Zoo (one 7D cinema and another simple 3D), along with 3 moving theatres. But, after cost rationalization, the simple 3D cinema component has been deleted.

5. The Chair inquired whether the cinema is for educational purposes or for entertainment and what is the operational business model of the cinema. Upon this, the DG Wildlife & Parks replied that the project offers the potential to engage large audiences through interactive and immersive storytelling. The initiative is purely for education and awareness purposes, therefore, the cinema will operate sustainably by balancing operational costs with ticket sales and external support. The cinema will provide an immersive experience to people who can't experience the facility commercially. The primary focus of the content will be to showcase wildlife-related content on topics such as biodiversity, animal behaviour, endangered species, and impacts of climate change, aligning with the zoo's mission to foster public awareness about conservation of wildlife. The cinema's target audience groups, include families, students, and researchers. Seasonal themes and updates, such as "World Wildlife Day" screenings or migratory bird

documentaries during migration periods, will ensure that the experience remains relevant and engaging. Partnerships with educational institutions and NGOs will further enrich the content and attract specialized audiences.

6. The DG Wildlife & Parks discussed the business plan and was of the view that operationally, the facility will be managed by a small team, including a Cinema Manager, technicians, and customer service staff. The immersive experiences through motion seats and sensory effects (wind, water sprays, etc.) will add to the experience. As the cinema is not intended to generate profit, the ticket prices will be kept affordable at approximately PKR 300-500 per person, allowing for some recovery of operational costs. With about 10-15% of the zoo visitors expected to attend the shows, the cinema could generate PKR. 10-15 million annually, which will support maintenance and content updates. The department will also explore sponsorships and collaborations with organizations that align with the zoo's conservation mission, which could provide additional funding for special programs or events. Marketing and outreach efforts will focus on attracting schools, colleges, and families through discounted group packages and collaborations with educational institutions. The zoo will also leverage social media and digital campaigns to promote the cinema as a unique attraction that combines entertainment with education. Educational tours and interactive workshops will further enhance the value of the cinema for visiting groups. In terms of sustainability, the operational plan includes regular equipment maintenance and content updates every six months to maintain visitor interest. The department will monitor visitor feedback through surveys and data analytics to continuously improve the experience.

7. He further added that the second component of the project is moving theatre, which envisions providing an immersive experience to a broad range of target audiences including students across educational institutes by bringing wildlife to them by virtually transporting students into wildlife habitats, forests, and protected areas, the VR technology will make learning engaging, memorable, and interactive, fostering empathy and a deeper understanding of biodiversity, conservation challenges, and climate change. Additionally, the project aligns with the broader goals of the Punjab Wildlife & Parks Department by encouraging public involvement in conservation and promoting environmental stewardship. This initiative not only offers an innovative way to engage the public but also reinforces the zoo's role as a centre for education, conservation, and recreation. Through the 7D immersive cinema, the department aims to leave a lasting impact by fostering a deeper connection between visitors and the natural world.

8. The FWF Department asked for 07 no. of project posts for the cinema project and explained that hiring should be done as per need and outsourcing shall be the priority option.

The Chair also highlighted that the executing agency of solar-based system for cinema building will be the Energy Department not IDAP.

ASSISTANT CHIEF
PLANNING & DEVELOPMENT BOARD
GOVT. OF PUNJAB, LAHORE

While discussing the transport, the forum agreed with 03 turnkey solutions for mobile cinema and it was decided to delete 4 no. e-bikes.

DECISIONS:

11. After detailed deliberations, the scheme was approved by PDWP with the following decisions:

- i. Scope and specification of civil work shall be vetted from Technical section, P&D Board.
- ii. ToRs regarding consultancy for marketing, branding, designing and accounting shall be cleared from Consultancy section, P&D Board.
- iii. Energy Department be added as an executing agency in the PC-I for solar based system for cinema building.
- iv. Solar system for cinema building 350 KVA @ Rs. 38.09 million may be cleared from Energy section, P&D Board.
- v. E-Bikes be deleted.
- vi. IDAP fee @ 3% be reduced to 2%.
- vii. All vehicles procured by the AD shall be properly branded as the property of FWF Department.
- viii. AD to revise the PC-I accordingly and upload on SMDP Portal.

Meeting ended with a vote of thanks

ASSISTANT CHIEF
PLANNING & DEVELOPMENT BOARD
GOVERNMENT OF PUNJAB, LAHORE

LIST OF PARTICIPANTS**Dated: 15.10.2024**

Name of the Officer		Designation / Department
PLANNING & DEVELOPMENT BOARD		
1.	Dr. Asif Tufail	Secretary, P&D Board/Member(Env.&CC.) (In Chair)
2.	Mr. M. Masood Anwar	Chairman P&D Board (Additional Charge)
3.	Mr. Abid Bodla	Chief Economist
4.	Mr. Ahmed Mustajab Karamat	Member (ID / Water)
5.	Mr. Yawar Hussain	Member (Social Development)
6.	Mr. Khawar Kamal	Member (Education)
7.	Mr. Sadaqat Hussain Khan	Member (LG&CD/UD)
8.	Mr. Mohsin Abbas Shakir	Member (Energy)
9.	Mr. Mahmood-ul- Hassan	Member (Water)
10.	Mr. Sohail Rauf	Sr. Chief (RP)
11.	Ms. Saba Asghar Ali	Sr. Chief (C&M)
12.	Mr. Yasir Arif Raja	Chief (Env. & CC.)
13.	Mr. Musa Raza	Chief (Technical)
14.	Ms. Rabbia Ali	Assistant Chief (Coord-II)
		Assistant Chief (FW&F)
P&D BOARD SOUTH SECRETARIAT		
15.	Mr. Muhammad Akhtar Mandhaira	Additional Secretary
16.	Mr. Malik Ghulam Farid	Chief
17.	Mr. Jam. M. Awais. Mustafa	Assistant Chief
URBAN UNIT		
18.	Mr. Safdar Gohar	Senior Project Manager
DG (M&E)		
19.	Mr. Mumtaz Ahmad	Director (Monitoring)
ENVIRONMENT PROTECTION DEPARTMENT		
20.	Ms. Sughra Kashif	SPIU
INFRASTRUCTURE DEVELOPMENT AUTHORITY PUNJAB		
21.	Mr. Kashif Imran Gill	GM Tech
22.	Mr. Zohaib Ashraf	Manager P&D
PUNJAB ECONOMIC RESEARCH INSTITUTE (PERI)		
23.	Mr. M. Ansar	Director (PERI)
FOREST, WILDLIFE & FISHERIES		
24.	Mr. Muddasir Waheed Malik	Secretary, FWF
25.	Mr. Muddasir Riaz Malik	Director General (Wildlife & Parks)
26.	Ch Hayat Hassan	Additional Secretary (Tech.)
27.	Mr. Talat Abbas	DS (Forest)
28.	Mr. Junaid Nadeem	Deputy Director (Headquarter)
29.	Dr. M. Rizwan	Vet Officer Punjab Wildlife
FINANCE DEPARTMENT		
30.	Ms. Nur-ul-Ain	AS(F)
ENERGY DEPARTMENT		
31.	M. Tayyab Zia	Additional Secretary (Dev.)
C&W DEPARTMENT		
32.	Mr. M. Faisal Saeed	Exen 4 th Building, Lahore

Minutes of 37th meeting of PDWP held on 15.10.2024

4

**ESTABLISHMENT OF STATE OF THE ART WILDLIFE HOSPITAL AT
SAFARI ZOO, LAHORE**

**ANNOTATED REPLY ON THE DECISIONS OF PDWP MEETING HELD
ON 15.10.2024**

Sr. No.	Decision	Reply
i.	Scope and specifications of civil works shall be vetted from Technical Section, P&D Board.	Scope and specifications have been vetted from Technical Section, P&D Board and final cost clearance issued vide letter No.16(57)AC(FWF)P&D/24, dated 6.12.2024 is attached as Annexure-20 of PC-I Scheme.
ii.	TORs for development of operational SOPs for hospital to be cleared from Consultancy Section, P&D Board.	TORs for development of operational SOPs have been cleared from Consultancy Section, P&D Board vide letter No.4(209)PO(Cons)P&D/24/VOL-XII, dated 13.12.2024. Clearance letter attached as Annexure-21 of PC-I Scheme.
iii.	Solar System for Veterinary Hospital Building 350 KVA @ Rs.88.879m to be cleared from Energy Section, P&D Board.	Solar System for Veterinary Hospital Building 350 KVA @ Rs.50.510m has been cleared from Energy Section, P&D Board vide letter No.16(57)AC(FWF)P&D/24, dated 6.12.2024. Clearance letter is attached as Annexure-20 of PC-I Scheme.
iv.	The post of Nutritionist / Food Technologist may be added in the project.	Post of Nutritionist / Food Technologist added in the project and reflected at Sr. No.4 of Appendix-V of PC-I Scheme.
v.	Hostels (single or double rooms) may be constructed instead of designated residences.	Hostels / Accommodation Block shall be constructed instead of designated residences as mentioned at Sr. No.14 of Appendix-II of PC-I Scheme.
vi.	High-end specifications will not be used by the C&W Department in construction work. The design of all buildings should be single storey and does not affect the eco-system of wildlife (less concrete and more natural habitat).	Noted for compliance. C&W Department is directed to comply with the instruction / decision.
vii.	All the E-Bikes and vehicles procured by the AD shall be properly branded as the property of FWF Department.	Noted for compliance and same shall be implemented.
viii.	AD to revise the PC-I accordingly and upload on SMDP Portal.	Amended PC-I Scheme as per decision of PDWP meeting is prepared and uploaded on SMDP Portal.



No. No. 16(57)AC(FWF)P&D/24
GOVERNMENT OF THE PUNJAB
PLANNING & DEVELOPMENT BOARD
Dated Lahore the 6th December, 2024

042-99059325

To

The Director General,
Wildlife & Parks,
Punjab.

Subject: VETTING OF SCOPE AND SPECIFICATIONS OF CIVIL WORKS AND COST CLEARANCE PERTAINING TO THE PC-I SCHEME TITLED "ESTABLISHMENT OF STATE OF THE ART WILDLIFE HOSPITAL AT SAFARI ZOO, LAHORE"

I am directed to refer to the letters bearing No. 2931/D.G.W&P.L:2(90)/2024 dated 20.11.2024 and No. 3124/D.G.W&P.L:2(90)/2024 dated 04.12.2024 received from the office of Director General Wildlife & Parks, Punjab on the subject cited above.

I am directed to state that the Technical section of P&D Board has vetted the scope of capital component of the subject scheme at Rs. 518.259 million and the Energy section, P&D Board has vetted the cost of 350KVA solar system for hospital building at Rs.50.51 million. Furthermore, as per decision of PDWP at para 9(ii) ToRs regarding consultancy for development of operational SOPs for hospital are yet to be cleared from Consultancy section, P&D Board.

In view of above, the cost of the scheme titled "Establishment of State of the art Wildlife Hospital at Safari Zoo, Lahore" has been cleared at Rs. 1,473,731 million. Break-up is as under:

Sr. #	Component	Rs. In Million		
		Cost Presented before PDWP on 15.10.2024	Cost submitted by AD for clearance	Cost Cleared
1	Capital Component	626.079	518.259	518.259
2	Machinery, Store, Tools & Equipment	602.421	497.405	495.752
3	Transport	38.058	38.058	38.058
4	Cost of Establishment	85.863	83.328	83.328
5	Commodities & Services	338.334	338.334	338.334
	Total	1,690.755	1,475.384	1,473.731

Keeping in view of the above, Administrative Department may proceed accordingly, however, a fresh copy of PC-I after making necessary rectifications may be submitted to this office, duly signed by the Competent Authority for record, please.

No. & Date Even:

A copy is forwarded to the Secretary, Forestry, Wildlife & Fisheries Department for information, please.

C.C

1. PS to Member (Env. & CC.), P&D Board
2. PA to Chief (Env. & CC.), P&D Board.

ASSISTANT CHIEF (FW&F)

ASSISTANT CHIEF (FW&F)



042-99059408

To

The Secretary,
Forestry, Wildlife & Fisheries Department,
Government of the Punjab,
Lahore.

Subject:

APPROVAL OF TERMS OF REFERENCE (TORs) OF:-
PC-I SCHEME ESTABLISHMENT OF STATE OF THE ART WILDLIFE HOSPITAL AT
SAFARI ZOO, LAHORE.

1. TORs for Development of operational SOPs for Animal Restraining, Handling and Shifting Anaesthesia usage.
2. TORs for Development of operational SOPs for Diagnostic lab, Sensitive Equipment usage and Necropsy.
3. TORs for Development of Emergency Plans for Human and Animal Safety.
4. TORs for Development of operational SOPs for Quarantine Management.

I am directed to refer to your office letter No. 3175/DG.W&P/PL:2(90)/2024 dated 09.12.2024 on the subjects noted above and to convey the approval of above mentioned Terms of Reference (TORs) for hiring of consultancy firms for Development of operational SOPs for hospital under the development project titled "Establishment of State of the Art Wildlife Hospital at Safari Zoo, Lahore" duly approved by the Authority.

2. Further necessary action may be taken by the Procuring Agency as per Punjab Procurement Rules, 2014.

13/12/24
PLANNING OFFICER (CONSULTANCY-II)

CC:

- i. The Director General, Wildlife & Parks Punjab.
- ii. Monitoring & Evaluation Officer, Head Office, Lahore w.r.t to his reference letter mentioned above.
- iii. PS to Sr. Chief (Consultancy) P&D Board Lahore.
- iv. PA to Chief (FW&F), P&D Board, Lahore.
- v. Concerned file.

TERMS OF REFERENCE (TORs)

DEVELOPMENT OF OPERATIONAL SOPS FOR ANIMAL RESTRAINING, HANDLING & SHIFTING, ANAESTHESIA USAGE

1. INTRODUCTION / BRIEF BACKGROUND

The establishment of Pakistan's first state-of-the-art Wildlife Veterinary Hospital at Safari Zoo, Lahore necessitates the formulation of operational Standard Operating Procedures (SOPs) for Animal Restraining, Handling & Shifting, and Anaesthesia Usage. These processes are vital for ensuring the safe and humane handling of wildlife during routine management and emergency interventions. Wildlife species exhibit significant variability in size, temperament, and stress responses, which makes it crucial to develop tailored methods for each species. Mishandling and improper restraint techniques can lead to unnecessary stress or injury, negatively impacting the animal's health, welfare, and rehabilitation outcomes. Additionally, the safe and effective use of anaesthesia and the proper handling of equipment are critical to prevent injuries, ensure the safety of both animals and staff, and reduce the potential for mortality during transport or medical procedures. The SOPs will address various aspects of animal handling, stress management, and transportation, ensuring that the procedures are both effective and humane.

2. OBJECTIVES

The development of Operational SOPs for Animal Restraining, Handling & Shifting, and Anaesthesia Usage aims to achieve the following objectives:

- **Safe and Humane Shifting:** To ensure the proper handling and safe transportation of wildlife, minimizing stress and injury.
- **Reduced Mortality:** To decrease the likelihood of stress-related fatalities or accidents during handling and shifting.
- **Enhanced Animal Welfare:** To promote optimal health and well-being of animals during and after transport.
- **Proper Stress Management:** To incorporate stress-reducing techniques, ensuring that the animals are adequately acclimatized to new environments.
- **Human and Animal Safety:** To mitigate risks to both veterinary staff and animals during all stages of handling and transport.
- **Effective Use of Equipment:** To ensure proper usage and maintenance of restraining equipment such as anaesthesia tools, cages, and shifting vehicles.
- **Comprehensive Anaesthesia Guidelines:** To outline proper anaesthetic drugs and dosages for different species, ensuring the safety and comfort of animals during procedures.

3. SCOPE OF WORK

The consultancy will encompass the following tasks:

- **Detailed Species-Specific Restraining Methods:** Develop and document restraint methods for different wildlife species, considering physical and chemical approaches.
- **Shifting Tools and Equipment Specifications:** Provide detailed descriptions, specifications, and materials of all shifting equipment (e.g., cages, crates, transport vehicles), including measurements and safety features.
- **Anaesthesia Guidelines:** Provide a comprehensive list of anaesthetic drugs, dosages, and techniques for major wildlife species.
- **Risk Management Plan:** Develop safety measures and risk management protocols for animal handling and shifting, addressing risks to animals, staff, and equipment.
- **Monitoring Procedures:** Outline key parameters to monitor before, during, and after the shifting process, including physiological indicators and animal stress levels.
- **Inventory Management:** Recommend best practices for inventory management related to handling and shifting tools.
- **Safety Protocols:** Define safety measures for handlers, animals, and tools during shifting and restraint procedures, including the roles and responsibilities of staff.

4. ROLE OF THE CLIENT

The Punjab Wildlife & Parks Department, as the client agency, will play a key role in facilitating the consultancy process by providing necessary background information, access to wildlife species, and coordination with relevant stakeholders. The department will ensure timely review and feedback on the deliverables, including the SOP document, equipment specifications, and anaesthesia guidelines. Additionally, the agency will support the consultancy firm in accessing required resources and ensure adherence to timelines, quality standards, and safety regulations. The Punjab Wildlife & Parks Department will also oversee the final approval and implementation of the SOPs to ensure effective operation of the new Veterinary Wildlife Hospital.

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5. DURATION OF THE ASSIGNMENT

The duration of the assignment is set for 4 months, during which the consultancy firm is expected to complete all deliverables within the specified timeframe.

6. DELIVERABLES

Sr. No.	Deliverables	Time Duration
1.	Inception Report: The Consultant firm shall prepare and submit a comprehensive work plan and methodology as the inception report within two weeks from the signing of the agreement.	2 Weeks
2.	Comprehensive SOP Document: A detailed SOP document covering all aspects of animal handling, shifting, and anaesthesia usage, specific to wildlife species.	4 Weeks
3.	Equipment Specifications Report: A report detailing the specifications, materials, and dimensions of all equipment required for safe animal handling and shifting.	2 Weeks
4.	Anaesthesia Usage Manual: A manual detailing appropriate anaesthesia protocols, including drug recommendations and dosages based on animal species.	2 Weeks
5.	Risk Assessment Report: A comprehensive risk assessment for the handling and transport of animals, including safety protocols and mitigation strategies.	2 Week
6.	Monitoring Plan: A detailed plan outlining the monitoring parameters and strategies for ensuring animal welfare during shifting and restraint procedures.	2 Week
7.	Inventory Management Guidelines: Guidelines on managing and tracking equipment related to animal handling and transport.	1 Week
8.	Final SOP Document and Reporting: Submission of the final SOP document and presentation to the client.	1 Week

7. QUALIFICATION AND EXPERIENCE OF THE FIRM

The consultancy firm should provide a team with the following qualifications and experience:

Sr. No.	Expert Positions	No. of Positions	No. of Months	No. of Years of Experience	Minimum Qualification	Experience / Job Description
1.	Animal Shifting Expert	1	4	5 (Wild Animal handling & shifting)	Doctor of Veterinary Medicine (DVM)	a. Expertise in wild animal handling and shifting, with a focus on safely transporting large wildlife species. b. Knowledge of proper equipment and techniques for shifting animals.
2.	Animal Restraining Expert	1	4	5 (Expert at using Wild Animal restraining techniques)	Doctor of Veterinary Medicine (DVM)	a. In-depth knowledge of wild animal handling and restraining techniques. b. Practical experience with various restraint methods and equipment for different species.
3.	Anaesthesia Specialist	1	4	5 (Specialist in Wildlife Anaesthesia Management)	Doctor of Veterinary Medicine (DVM) or equivalent	a. Specialized in anaesthesia management for wildlife. b. Proficient in pharmacology, anaesthesia dosages, and protocols for different wildlife species.
4.	Veterinary Safety Expert	1	4	5 (Specialist in maintaining Wildlife Safety Protocols)	DVM or equivalent	a. Experience in developing and implementing safety protocols for veterinary staff and animals during procedures. b. Ability to identify and mitigate risks related to animal handling.

8. PROFESSIONAL LIABILITY OF CONSULTANT

The professional liability of the consultant shall be as defined in Rule 54 of the Punjab Procurement Rules, 2014 (amended till date).




TERMS OF REFERENCE (TORs)

DEVELOPMENT OF OPERATIONAL SOPS FOR DIAGNOSTIC LAB, SENSITIVE EQUIPMENT USAGE & NECROPSY

1. INTRODUCTION / BRIEF BACKGROUND

The establishment of the state-of-the-art Wildlife Veterinary Hospital at Safari Zoo Lahore is a crucial step towards improving the veterinary care provided to wildlife. One of the key components of this facility is the diagnostic laboratory, which will house sensitive, high-cost equipment essential for early diagnosis, disease monitoring, and treatment of wildlife. Currently, there is a lack of proper diagnostic and necropsy protocols, resulting in delayed diagnoses, inefficient use of equipment, and an inability to effectively manage wildlife diseases. Additionally, necropsy (post-mortem examination) plays an important role in understanding the causes of mortality, improving preventive measures, and mitigating the risk of zoonotic diseases. Necropsy also supports research on wildlife health and conservation efforts by revealing critical insights into disease transmission and trends. Proper handling, calibration, and maintenance of sensitive equipment in the diagnostic lab, along with the implementation of comprehensive necropsy procedures, are essential to reducing mortality rates, improving animal welfare, and ensuring the safety of both humans and animals. This includes protocols for equipment use, calibration, safety, biosecurity measures, and detailed necropsy practices that help in preserving and analysing wildlife carcasses.

2. OBJECTIVES

The development of Operational SOPs for Diagnostic Lab, Sensitive Equipment Usage, and Necropsy aims to:

- **Decreased Mortality:** Improve early disease detection through effective use of diagnostic tools and necropsy, leading to better-informed treatment plans and reduced animal mortality.
- **Improved Welfare:** Provide proper diagnostic procedures and post-mortem analysis, improving animal care and rehabilitation efforts.
- **Early Diagnosis:** Enable timely diagnoses using the diagnostic lab and necropsy findings, facilitating early interventions and improving treatment outcomes.
- **Proper Use of Diagnostic Equipment:** Ensure safe, effective use, calibration, and maintenance of sensitive lab equipment, preventing errors and ensuring reliable results.
- **Safe and Efficient Necropsy Procedures:** Develop comprehensive procedures for performing necropsies, preserving samples, and handling wildlife carcasses to prevent disease spread.



- **Regular Calibration of Equipment:** Establish protocols for routine calibration and testing of diagnostic equipment to maintain its efficiency.
- **Biosecurity and Biosafety:** Create strict biosecurity and biosafety measures for the lab and necropsy environment to protect both humans and animals from potential contamination.
- **Data and Sample Preservation:** Define procedures for preserving biological samples and records, ensuring the accuracy of diagnostics and post-mortem investigations.
- **Inventory Management:** Establish clear guidelines for inventory management, ensuring lab equipment and necropsy tools are properly stocked and maintained.

3. SCOPE OF WORK

The consultancy firm will have following tasks to do:

- **Procedural Protocols for Diagnostic Lab Tests:** Develop SOPs for conducting major diagnostic tests, including imaging (CT scans), microbiological tests, blood work, and pathology.
- **Equipment Usage Protocols:** Provide SOPs for the proper use, handling, and maintenance of diagnostic lab equipment, ensuring safety and accuracy.
- **Equipment Safety Measures:** Detail the safety protocols for the handling and storage of sensitive diagnostic equipment.
- **Calibration and Efficiency Protocols:** Develop guidelines for the regular calibration of diagnostic equipment and methods for evaluating their efficiency.
- **Lab Entry/Exit Protocols (Biosecurity/Biosafety):** Establish protocols for safe entry and exit to/from the lab, including sterilization procedures, protective equipment, and handling of potentially infectious materials.
- **Health Parameter Guidelines:** Provide health parameter ranges for various wildlife species, serving as a benchmark for diagnosis and treatment.
- **Risk Management Plan for the Lab and Necropsy:** Develop a risk management plan specifically addressing potential risks in the diagnostic lab and necropsy procedures, including equipment malfunctions, contamination, and zoonotic risks.
- **Necropsy Procedures:** Establish detailed protocols for performing necropsies, including sample collection, tissue preservation, and methods for identifying cause of death, as well as safety protocols during the process.
- **Post-Mortem Sample Preservation and Disposal:** Develop guidelines for preserving vital samples for analysis and appropriate disposal of carcasses.
- **Inventory Management for Equipment and Supplies:** Establish inventory management guidelines for tracking and replenishing diagnostic and necropsy equipment, reagents, and consumables.

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4. ROLE OF CLIENT AGENCY

The Role of Wildlife Department as client agency involves overseeing the consultancy firm's work, ensuring timely completion of deliverables and providing feedback on drafts. The agency will provide necessary resources, including access to existing protocols, health data, equipment, and key stakeholders. It will manage the project budget, ensure compliance with regulations, and support logistical arrangements for site visits and training. Additionally, the agency will coordinate the implementation of the developed SOPs, monitor risk management protocols, and ensure the final deliverables are practical, sustainable, and properly stored for future use.

5. DURATION OF THE ASSIGNMENT

The duration of the assignment is set for 4 months, during which the consultancy firm is expected to complete all deliverables within the specified timeframe.

6. DELIVERABLES

Sr. No.	Deliverables	Time Duration
1.	SOP Document for Diagnostic Lab Procedures: A comprehensive document detailing diagnostic test protocols, equipment handling guidelines and safety measures for the lab.	3 Weeks
2.	Equipment Use and Calibration Manual: A manual that outlines proper equipment handling, regular calibration schedules, and troubleshooting techniques for diagnostic tools.	3 Weeks
3.	Biosecurity and Biosafety Protocols: A document that covers the protocols for ensuring a safe, clean, and controlled environment in the lab and necropsy areas.	2 Weeks
4.	Health Parameter Ranges for Wildlife Species: A comprehensive guide for the normal and optimal health parameters for major wildlife species found in the Safari Zoo Lahore and surrounding areas.	1 Week
5.	Risk Management and Safety Plan: A complete risk management plan for the lab and necropsy procedures, including contingency plans for handling equipment malfunctions, biosecurity breaches, or disease outbreaks.	2 Weeks
6.	Necropsy SOPs: A detailed set of procedures for performing necropsies on wildlife species, including sample collection, storage, and disposal practices.	1 Week
7.	Post-Mortem Reporting Guidelines: A standardized format for post-mortem reports, ensuring all relevant data is captured and analyzed.	1 Week
8.	Inventory Management Protocol: Guidelines for managing lab and necropsy inventory, ensuring proper tracking, stock levels, and timely replenishment.	2 Weeks

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7. QUALIFICATION AND EXPERIENCE OF THE FIRM

The consultancy firm should provide a team with the following qualifications and experience:

Sr. No.	Expert Positions	No. of Positions	No. of Months	No. of Years of Experience	Minimum Qualification	Experience/ Job Description
1.	Senior Microbiologist	1	4	5 (Microbiological tests & analysis)	Master's Degree in Microbiology or related field	a. Expertise in wildlife diagnostics, particularly in lab-based tests and microbiological analysis.
2.	Senior Pathologist	1	4	5 (Veterinary Disease Diagnosis)	DVM + MPhil in Pathology or equivalent	a. Specializing in diagnostic tests, necropsy, and disease identification in wildlife species.
3.	Senior Wildlife Veterinarian	1	4	5 (Veterinary management of Wildlife)	Doctor of Veterinary Medicine (DVM)	a. Expertise in wildlife veterinary medicine with diagnostic testing, necropsy, and interpreting lab results.
4.	Lab Equipment Specialist	1	3	5 (Laboratory management)	Bachelor's or Master's Degree in Biomedical Engineering or related field	a. Proficient in handling, calibrating, and maintaining sensitive diagnostic equipment in veterinary or wildlife settings.
5.	Veterinary Safety Expert	1	2	5 (Specialist in maintaining Wildlife Safety Protocols)	DVM or related qualification	a. Specialized in establishing and managing biosecurity and biosafety protocols in veterinary and wildlife settings.
6.	Necropsy Expert	1	1	5 (Wildlife Postmortem conduction and analysis)	DVM + Specialization in Veterinary Pathology	a. Expertise in conducting necropsies on wildlife species, including sample preservation, cause of death analysis, and report generation.

8. PROFESSIONAL LIABILITY OF CONSULTANT

The professional liability of the consultant shall be as defined in Rule 54 of the Punjab Procurement Rules, 2014 (amended till date).

TERMS OF REFERENCE (TORs)

DEVELOPMENT OF EMERGENCY PLAN FOR HUMAN AND ANIMAL SAFETY

1. INTRODUCTION / BACKGROUND

A new animal facility is being established, which is the first of its kind in Pakistan. This facility will house a range of wildlife, including dangerous species, and will have high operational demands for both animal and human safety. Given the nature of these animals and the facility's functions, a comprehensive **Emergency Plan** is needed to manage potential risks related to animal escapes, zoonotic diseases, biohazards, and other emergencies, including mishaps involving hazardous chemicals. The absence of proper **Personal Protective Equipment (PPE)**, lack of screening for zoonotic diseases, and unaddressed risks for both humans and animals further underscores the need for a robust emergency plan.

This emergency plan will focus on **both animal and human safety** in a holistic manner, ensuring proper protection, risk mitigation, and management of critical situations such as animal escapes, disease outbreaks, and mishaps involving dangerous animals or chemicals.

2. OBJECTIVES

The objectives of the consultancy firm will be to develop a comprehensive **Emergency Plan** that addresses **both human and animal safety**. The plan should include the following:

- **Human and Animal Safety:** Ensure safety protocols are in place to protect both staff and animals from accidents, escapes, and exposure to harmful substances or diseases.
- **Risk Mitigation and Prevention:** Minimize risks such as zoonotic diseases, animal escapes, chemical hazards, and other environmental risks through preventive strategies and effective protocols.
- **Waste and Biohazard Management:** Establish protocols for proper waste disposal, biohazard management, and containment of disease risks, including zoonotic pathogens.
- **Preparedness and Training:** Develop training materials and conduct sessions for staff on emergency response, including animal behavior management and first aid for both humans and animals.
- **Emergency Response:** Define clear protocols for responding to various emergency scenarios, including animal escape, biohazards, chemical exposure, and natural disasters.
- **Evacuation Plans:** Create detailed evacuation plans for both staff and animals in the event of any emergency or mishap, ensuring public safety and animal welfare.

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3. SCOPE OF WORK

The consultancy firm will undertake the following tasks as part of the development of the **Emergency Plan for Human and Animal Safety**:

- **Emergency Response Plan Development:**
 - Develop a **comprehensive emergency response plan** that covers:
 - Animal escape protocols, including capturing, containment, and ensuring public safety.
 - Animal attacks (both human and inter-animal) and protocols for handling aggression.
 - Disease outbreaks, including zoonotic disease protocols for both animals and humans.
 - Hazardous chemical spills or exposure, ensuring protocols for handling, containment, and neutralization.
 - General emergencies (fire, natural disasters, medical emergencies).
- **Human and Animal Safety Protocols:**
 - Design **Personal Protective Equipment (PPE)** guidelines for staff working with dangerous animals, including proper protective gear, handling procedures, and safety measures.
 - Develop **protocols for biohazard management**, including procedures to contain, treat, and dispose of biological and chemical hazards.
 - **Mechanical safety protocols** for enclosures and animal containment systems to avoid escapes or animal injuries.
- **Waste and Biohazard Disposal Guidelines:**
 - Establish proper waste management systems, detailing the disposal of animal waste, hazardous biological materials, chemicals, and other contaminants.
 - Develop **biohazard protocols** that outline how to handle, store, and dispose of contaminated materials and animal products.
- **Chemical Safety Protocols:**
 - Provide guidelines for safely handling, storing, and disposing of hazardous chemicals, including veterinary drugs, cleaning agents, and other potentially harmful substances.



- **Training & Drills:**

- Create **training modules** on emergency protocols, including:
 - First aid for animal handlers and human staff, including treatment for injuries from animal bites or exposure to hazardous substances.
 - Animal handling techniques in emergencies, including controlling dangerous animals.
 - Emergency drills to test staff readiness for different types of emergencies (e.g., escape drills, chemical spill response).

- **Evacuation and Animal Management Plans:**

- Develop detailed **evacuation procedures** for both animals and humans in the case of emergencies.
- Define protocols for safely evacuating animals from the facility, ensuring minimal harm to both animals and handlers during such incidents.
- Create an **animal containment plan** in case of infectious disease outbreaks, chemical exposure, or other situations requiring isolation.

- **Emergency Kits and First Aid Guidelines:**

- Develop protocols for the use of **emergency kits**, including first aid supplies for both animals and humans.
- Ensure the kits are properly stocked and easily accessible during emergencies.

- **Monitoring and Evaluation:**

- Establish a monitoring and evaluation system for regularly assessing the effectiveness of the emergency response plan, training programs, and safety protocols.

4. **ROLE OF CLIENT AGENCY**

The client agency will play a crucial role in facilitating the development of the Emergency Plan by providing the consultancy firm with relevant information, including existing safety measures, facility layout, and any prior risk assessments. The agency will support the consultancy by coordinating access to key personnel, such as animal handlers, medical staff, and other relevant stakeholders, to ensure effective data gathering and planning. Additionally, the agency will provide feedback on the drafts and final deliverables, ensuring that the plan aligns with operational requirements and regulatory standards. The agency will also oversee the implementation and testing of the emergency protocols once developed.

5. DURATION OF THE ASSIGNMENT

The duration of the assignment is set for 4 months, during which the consultancy firm is expected to complete all deliverables within the specified timeframe.

6. DELIVERABLES

Sr. No.	Deliverables	Time Duration
1.	Comprehensive Emergency Response Plan: A detailed plan covering all potential emergencies, including human and animal safety protocols, evacuation plans, and hazard management strategies.	4 Weeks
2.	PPE Guidelines Manual: A guide for staff on proper PPE usage during emergencies, including for zoonotic disease prevention and animal handling.	2 Weeks
3.	Waste Disposal and Biohazard Management Plan: A comprehensive waste management and biohazard disposal plan, detailing the safe handling, containment, and disposal of hazardous materials.	2 Weeks
4.	Chemical Safety Guidelines: Document detailing safety procedures for the handling and disposal of hazardous chemicals and substances used in the facility.	2 Weeks
5.	Training Materials and Emergency Drills Plan: Training modules, manuals, and drill plans to ensure that all staff is adequately prepared for emergencies.	3 Weeks
6.	Evacuation and Containment Plans: Detailed plans for evacuating staff and animals from the facility during an emergency, including protocols for animal safety and public security.	2 Weeks
7.	Emergency Kit Usage Protocols: Guidelines on the correct usage and maintenance of emergency kits and first aid supplies.	1 Week

7. QUALIFICATION AND EXPERIENCE OF THE CONSULTANCY FIRM

The consultancy firm should include the following experts as part of their core team:

Sr. No.	Expert Positions	No. of Positions	No. of Months	No. of Years of Experience	Minimum Qualification	Experience / Job Description
1.	Hazard Management Specialist	1	4	5 (Hazard Management & Emergency Planning)	Degree in Environmental Health / Safety or related field	a. Expertise in hazard management and emergency planning. b. Knowledge in risk assessment and mitigation strategies in high-risk environments.
2.	Zoologist	1	4	5 (Wildlife Management)	Masters in Zoology or related field	a. Extensive experience in wildlife management, particularly with dangerous species. b. Knowledge of wildlife behaviour, handling techniques, and emergency protocols.
3.	Wildlife Veterinarian	1	4	5 (Veterinary Wildlife Management)	DVM (Doctor of Veterinary Medicine)	a. Proficiency in wildlife veterinary care, particularly in emergency situations. b. Expertise in animal health protocols, zoonotic disease management, and crisis intervention.
4.	Doctor (Emergency Medicine)	1	4	5 (Medical Care particularly related to emergency cases)	Medical Doctor or Emergency Medicine Specialist	a. Experience in providing medical care in high-risk settings. b. Proficiency in emergency medicine protocols for both humans and animals during crises.

8. PROFESSIONAL LIABILITY OF CONSULTANT

The professional liability of the consultant shall be as defined in Rule 54 of the Punjab Procurement Rules, 2014 (amended till date).



TERMS OF REFERENCE (TORs)

DEVELOPMENT OF OPERATIONAL SOPS FOR QUARANTINE MANAGEMENT

1. INTRODUCTION / BRIEF BACKGROUND

The establishment of a quarantine facility for newly arrived wildlife animals at the Safari Zoo Lahore is essential for ensuring animal health, safety, and the prevention of disease spread. Currently, there is no formal screening or quarantine protocol in place, which exposes both new arrivals and existing animals to potential health risks, including zoonotic diseases and infections. Quarantine plays a critical role in preventing the introduction of infectious diseases into the zoo population, minimizing the risk of disease transmission, and improving the acclimatization process for new animals. In addition, proper quarantine protocols provide an opportunity to assess the health, age, sex, and behaviour of incoming animals, ensuring they are suitable for integration into the zoo environment. This protocol also focuses on prophylaxis like deworming and vaccination if required. The development of clear, standardized operational protocols for quarantine will contribute significantly to the overall health and welfare of the zoo's animal population.

2. OBJECTIVES

The objectives of the consultancy firm in developing SOPs for quarantine management are as follows:

- **Decreased Mortality:** By ensuring animals are screened for diseases and acclimatized properly before introduction to the main zoo population, the risk of death from infections or stress-related conditions will be minimized.
- **Improved Welfare:** Proper quarantine procedures allow for adequate health monitoring and adjustment to new environments, enhancing animal welfare.
- **Minimization of Disease Spread:** Implementing screening tests and disease control measures (deworming, vaccination etc) will reduce the risk of transmission of infectious diseases between animals in the zoo.
- **Improved Monitoring of New Arrivals:** Develop protocols for thorough health and behaviour assessments of new animals, ensuring that they are stable and healthy before introduction to the general zoo population.
- **Better Acclimatization:** Ensure that animals undergo a proper acclimatization period in quarantine to ease the transition to a zoo environment, improving long-term survival and health outcomes.
- **Biosecurity:** Establish biosecurity protocols to prevent contamination and protect both the newly arrived and existing animals from infectious diseases.



3. SCOPE OF WORK

The consultancy firm will be responsible for the following tasks:

- **Quarantine Procedural Protocols:** Develop comprehensive SOPs for quarantine procedures, outlining each step of the process from the arrival of the animal to its release into the general zoo population.
- **Quarantine Cage Design and Specifications:** Provide detailed design specifications for quarantine enclosures, ensuring they are species-appropriate and meet the needs of various wildlife species in terms of space, ventilation, and safety.
- **Screening Tests for Various Wildlife Species:** Identify and provide a list of essential screening tests (including physical exams, laboratory tests, and diagnostic procedures) for evaluating the health of different species during quarantine. These tests should include but not be limited to, blood tests, stool samples, infectious disease tests, and vaccinations but keeping in view the limitations of wildlife.
- **Safety Measures for Handlers and Animals:** Outline safety protocols to protect both the animal and quarantine handlers during the quarantine process. This should include guidelines for proper handling, personal protective equipment (PPE), sanitation, and containment measures.
- **Quarantine Duration Protocols:** Define the optimal quarantine period for different species, taking into account species-specific health and behavior assessments, risk factors, and acclimatization requirements.
- **Animal Behaviour Assessment Protocols:** Develop protocols for assessing the behaviour of animals during quarantine, identifying any signs of stress, aggression, or illness. This includes the evaluation of the animal's social behaviour, eating patterns, and responses to human interaction.
- **Health and Acclimatization Monitoring:** Establish monitoring protocols to track the health and progress of animals in quarantine, including regular health checks, behavioural observations, and stress reduction strategies.
- **Biosecurity and Disease Control Protocols:** Develop protocols for ensuring proper biosecurity measures during the quarantine process, including sanitation procedures, the management of waste, and protocols for handling infectious materials.

4. ROLE OF THE CLIENT

The client agency, Wildlife & Parks Department, will play a key role in facilitating the development of the operational SOPs for quarantine management by providing necessary access to the existing quarantine facilities and supporting information on current practices. They will assist the consultancy firm in understanding the specific needs and challenges faced in managing newly arrived wildlife. The agency will also be responsible for coordinating with relevant zoo staff to ensure smooth implementation of the proposed protocols. Furthermore, the client agency will provide timely feedback on draft documents and assist in arranging any additional resources or data required by the consultancy firm to complete the task within the specified timeframe and budget.

5. DURATION OF THE ASSIGNMENT

The duration of the assignment is set for 4 months, during which the consultancy firm is expected to complete all deliverables within the specified timeframe.

6. DELIVERABLES

The consultancy firm is expected to deliver the following documents and reports:

Sr. No.	Deliverables	Time Duration
1.	SOP Document for Quarantine Procedures: A comprehensive document detailing all quarantine protocols, including health assessments, screening tests, and safety measures.	3 Weeks
2.	Quarantine Cage Design Specifications: A report outlining the appropriate cage designs for various species, ensuring that the physical environment supports the animals' well-being and ease of monitoring.	4 Weeks
3.	List of Essential Screening Tests for Wildlife: A list of necessary diagnostic tests and screening procedures for newly arrived animals, broken down by species.	3 Weeks
4.	Handler Safety and Biosecurity Guidelines: A manual detailing the safety protocols for staff handling quarantine animals, including infection control, PPE use, disease prevention strategies like deworming, vaccination if required and other measures.	2 Weeks
5.	Quarantine Duration and Species-Specific Protocols: A guide detailing the optimal quarantine period for different species, as well as specific health and acclimatization requirements for each.	1 Week
6.	Animal Behaviour Assessment Protocols: A set of guidelines for assessing and managing animal behaviour during quarantine, including monitoring for stress or aggression.	2 Weeks
7.	Health Monitoring and Reporting Procedures: Standardized procedures for tracking animal health throughout the quarantine process, including regular check-ups and reporting.	2 Weeks

7. QUALIFICATION AND EXPERIENCE OF THE FIRM

The consultancy firm should include the following experts as part of their core team:

Sr. No.	Expert Positions	No. of Positions	No. of Months	No. of Years of Experience	Minimum Qualification	Experience/Job Description
1.	Senior Wildlife Veterinarian	1	4	5 (Veterinary Wildlife Management)	DVM (Doctor of Veterinary Medicine)	a. Expertise in wildlife management, health assessment, and quarantine protocols. b. Proficiency in animal health management, including disease control and acclimatization. Development of veterinary care, health assessments, disease control, and quarantine protocols for wildlife at Safari Zoo, ensuring proper medical treatment and acclimatization in line with operational SOPs.
2.	Animal Behaviour Expert	1	4	5 (Wildlife Management)	Zoologist & Specialization (MPhil in Wildlife Management or equivalent)	a. Extensive experience in animal behaviour assessment, particularly in quarantine settings. b. Expertise in managing the acclimatization and behavioural observation of wildlife species. Specializes in assessing the behaviour of wildlife at Safari Zoo, developing acclimatization, enrichment, and behaviour management protocols to ensure animal well-being in the new Wildlife Veterinary Hospital.

8. PROFESSIONAL LIABILITY OF CONSULTANT

The professional liability of the consultant shall be as defined in Rule 54 of the Punjab Procurement Rules, 2014 (amended till date).

RECRUITMENT COMMITTEE

The recruitment committee to recruit the PPS project staff is given as under.

1.	Director General Wildlife & Parks Punjab.	Chairman / Competent Authority
2.	A representative of the Administrative Department to be nominated by Secretary FW&F	Member
3.	Representative of Finance Department	Member
4.	Representative of Planning & Development Board	Member
5.	Deputy Director Wildlife to be nominated by the Director General Wildlife & Parks	Member
6.	Any other co-opted member(s) nominated by Director General Wildlife & Parks.	Member

SELECTION CRITERIA

As per para 8 of the Recruitment Policy 2022, the following selection criteria is prescribed for specialized PPS posts under the project:

1. Educational Qualification (Maximum 30 marks):

a. Where prescribed minimum qualification is MPhil / equivalent:

Sr. No	Qualification	1st Div	2nd Div	3rd Div
1	MPhil	12	8	4s
1	Masters 50%	8	6	3
2	Bachelors 30%	5	3	1.5
3	Intermediate (15%)	3.5	2	1
4	Matric 5%	1.5	1	0.5

b. Where prescribed minimum qualification is Masters / equivalent:

Sr. No	Qualification	1st Div	2nd Div	3rd Div
1	Masters 50%	15	10	5
2	Bachelors 30%	9	6	3
3	Intermediate (15%)	4.5	3	1.5
4	Matric 5%	1.5	1	0.5

c. Where prescribed minimum qualification is Intermediate / equivalent:

Sr. No	Qualification	A+	A	B	C	D	E
1	Intermediate (60%)	18	15	12	9	6	3
2	Matric 40%	12	10	8	6	4	2

2. Experience in the relevant field (Maximum 20 marks)

(10 marks for fulfilment of prescribed experience. 2 marks additional for per year above the prescribed experience).

3. Interview (Maximum 50 marks)