



PC-1

Revamping and Experience Development of Bahawalpur Zoo

ORIGINAL APPROVED COST	PKR Million. 3,479.820/-
ORIGINAL APPROVED GESTATION	24 Months Till June 2027
APPROVAL FORUM	PDWP (PDWP)

1. NAME OF THE PROJECT

Revamping and Experience Development of Bahawalpur Zoo

2. LOCATION OF THE PROJECT

2.1. DISTRICT(S)

I. BAHAWALPUR

2.2. TEHSIL(S)

I. BAHAWALPUR CITY

3. AUTHORITIES RESPONSIBLE FOR

3.1. SPONSORING AGENCY

- FORESTRY, WILDLIFE, FISHERIES

3.2. EXECUTION AGENCY

- 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: 2605
3	Total Allocation: 5.000

Comments:

5. PROJECT OBJECTIVES

Introduction

The prime objective of this project is to transform Bahawalpur Zoo into a modern, international-standard zoological facility that prioritizes animal welfare, offers a rich and engaging visitor experience, and serves as a center for wildlife education and conservation. Through this comprehensive upgradation project, the zoo will be revitalized to become a state of the art center that supports biopersity conservation, promotes environmental awareness among the public, and contributes to the socio-economic development of the region.

Improvement of Animal Welfare and Enclosures

- Rehabilitate existing enclosures with improved housings and moats / enclosures for lions, tigers, bears, hyenas, monkeys and ungulates that mimic their natural habitats and support their physical and mental well-being.
- Develop new, spacious, and naturalistic enclosures for hippo, puma, leopard, & wolf and a new parrot paradise, pheasantary and a section for peafowl.
- Establish specialized structures such as a walkthrough bird aviary, giraffe enclosure, and indoor zoo to provide species-specific care and create engaging exhibits.
- Enhance the overall living conditions of animals through modern housing designs, improved ventilation,

natural landscaping, and enrichment activities to encourage natural behaviors.

Enhancement of Visitor Experience and Recreational Facilities

- A large variety of new mammalian, avian and also reptilian species are being introduced into Bahawalpur Zoo, allowing the local public to feast upon those species and experience them in enclosures and cages mimicking their natural environment to the maximum possible levels.
- Create immersive experiences for visitors by introducing new attractions such as a dancing fountain, massive upgradation of wildlife museum, and themed educational spaces.
- Develop safe, well-designed walking paths, attractive landscaping, and comfortable seating areas to make visits more enjoyable and memorable.
- Establish an information center to provide visitors with detailed insights into wildlife, conservation efforts, and the importance of protecting natural habitats.

Promotion of Education and Biopiversity Awareness

- Set up functional educational spaces such as museums and interactive exhibits to engage students, researchers, and families, promoting greater understanding and respect for wildlife.
- Organize educational programs, workshops, and guided tours to inspire future generations and spread awareness about the need for conservation.
- Display informative materials on species conservation statuses, habitat requirements, and ecological roles of different animals.

Strengthening Security and Operational Efficiency

- Install a comprehensive CCTV surveillance system along with a modern control room to ensure safety for both visitors and animals.
- Introduce an e-ticketing system to streamline entry processes, reduce waiting times, and improve visitor data collection for better management.
- Upgrade and repair the boundary wall and other security structures to prevent unauthorized access and ensure a secure environment throughout the zoo premises.

Economic Uplift and Employment Generation

- Increase annual footfall by offering new and attractive facilities, leading to higher revenue generation and making the zoo more self-sustaining financially.
- Create direct and indirect employment opportunities for local communities in areas such as animal care, maintenance, security etc.
- Support local businesses and boost the regional economy through increased tourism and related commercial activities around the zoo.

Upgradation of Infrastructure and Supporting Facilities

- Improve essential infrastructure, including water supply, sewerage systems, internal roads, and overall maintenance facilities to support new developments.
- Provide ample parking space, restrooms, and visitor amenities to ensure a smooth and comfortable experience for guests.
- Enhance green spaces and overall aesthetic appeal through professional landscaping and environment-friendly designs.

Conclusion

In conclusion, this project aims to completely revamp Bahawalpur Zoo into a modern, vibrant, and internationally competitive zoological park that combines recreation, education, and conservation. By introducing world-class animal enclosures, innovative visitor attractions, advanced security systems, and strong community linkages, the project will transform the zoo into a major center for biopiversity awareness and a significant source of local economic growth. Ultimately, it will become a source of pride for the region and a model for other zoos across Pakistan, promoting a culture of wildlife appreciation and environmental responsibility among the public.

6. DESCRIPTION AND JUSTIFICATION OF PROJECT

6.1 JUSTIFICATION OF PROJECT:

Description of the Project

Introduction

The “Revamping & Experience Development of Bahawalpur Zoo” project is a visionary initiative designed to transform the zoo into a modern, internationally recognized zoological park that prioritizes animal welfare, offers an immersive and educational experience for visitors, and promotes conservation and biodiversity awareness. This comprehensive development project will not only uplift the physical infrastructure of the zoo but also introduce new species, advanced facilities, and innovative concepts that have never been implemented before in Pakistan. The goal is to create a dynamic and vibrant zoological facility that becomes a center of pride for the region and a leading example for other zoos across the country.

Upgradation and Rehabilitation of Animal Enclosures

The project involves complete rehabilitation and modernization of existing animal enclosures for lions, tigers, bears, hyenas, monkeys, and ungulates. These enclosures will be redesigned to simulate natural habitats, incorporating modern housing structures, improved ventilation, natural landscaping, and enrichment elements to encourage natural behaviors and ensure animal comfort and health. In addition, new, spacious enclosures will be developed for hippos, pumas, leopards, giraffes and wolves, providing these species with state of the art living conditions that meet international standards.

Specialized walk-through bird aviary will also be established, along with a “Parrot Paradise,” an extensive pheasantry, and a dedicated peafowl section, which will further enrich the zoo's avian collection and provide engaging experiences for visitors.

Furthermore, dedicated new exhibits will be developed, including a waterfowl lake, a crocodile pond, and a waterfall feature near the lake. These additions will create attractive, cooling recreational spaces for visitors, especially appreciated given Bahawalpur's hot climate. The combination of lush water features and wildlife exhibits will create serene and scenic spots that greatly enhance the overall ambiance of the zoo.

Introduction of New and Fascinating Animal Species

A major attraction of the project is the introduction of a diverse range of new and captivating animal species, including mammals, birds, and reptiles. New mammalian species such as puma, giraffe, hippo, addax, oryx etc., along with various primate species such as capuchin and vervet monkeys, various endemic as well as exotic birds and reptile species, will be showcased to significantly expand the zoo's biodiversity. The introduction of these unique species will allow the local public to experience wildlife they have never seen before, greatly increasing interest and providing a once-in-a-lifetime immersive experience.

Establishment of Pakistan's First Public Indoor Zoo

A landmark feature of this project is the creation of Pakistan's first-ever Public **Indoor Zoo**, offering an innovative and immersive wildlife experience. Visitors will walk through specially designed corridors and view animals through mirrored glass fronts, creating a sense of close interaction while ensuring safety. The indoor zoo will maintain controlled environmental conditions optimized for each species, providing comfort and well-being for the animals while delivering a novel, engaging experience for visitors. This facility is an entirely new concept in the country and will set Bahawalpur Zoo apart as a pioneer in zoo design and visitor engagement.

Innovative Digital Displays and Museum Upgradation

A major innovative leap is being taken through the introduction of extensive digital content displays across the zoo. High-quality SMD screens will be strategically installed in various sections, including the carnivore, birds, and ungulate areas, with a large main screen in the general zone to broadcast educational and engaging content.

The most significant digital innovation will occur in the Wildlife Museum, which will be comprehensively upgraded to include advanced digital displays and interactive touch screens. Visitors will be able to explore immersive virtual tours and interact with digital exhibits to deepen their understanding of wildlife and conservation. Additionally, the museum will feature motion-based sculptures representing both living and

extinct animal species, bringing history and biopersity to life in an engaging way. An interactive fossil gallery will also be introduced, providing a hands-on learning experience and igniting curiosity among visitors of all ages.

Upgradation of Auditorium for Education and Awareness

The project includes the comprehensive upgradation of the existing auditorium to serve as a modern space for lectures, workshops, public awareness programs, and educational sessions. This upgraded auditorium will become a central platform for educating students, researchers, and the general public about wildlife conservation, biopersity, and environmental responsibility, strengthening the zoo's role as an educational and community-oriented institution.

Development of a Dedicated Veterinary Complex

A specialized veterinary complex will be established to provide top-quality healthcare services for zoo animals and birds. The facility will include modern treatment rooms, advanced diagnostic equipment, and specialized spaces for routine check-ups and emergency care. This dedicated complex will ensure that all animals receive timely and professional medical attention, significantly enhancing their health and overall well-being.

Construction of Staff Residential Colony

To support staff welfare and improve their quality of life, a new residential colony will be constructed within the zoo premises. This colony will offer safe, pleasant, and well-equipped housing for zoo staff and their families, promoting a healthy living environment and fostering staff dedication and satisfaction. A supportive residential facility will help build a strong, motivated workforce, which is essential for maintaining high standards of animal care and operational efficiency.

Improvement of Infrastructure and Visitor Facilities

The project will significantly enhance essential infrastructure, including internal roads, water supply systems, sewerage networks, and maintenance facilities. Visitor-focused improvements such as expanded parking areas, modern restrooms, shaded seating areas, and well-designed walking paths will ensure a comfortable and enjoyable experience. Professional landscaping and increased green spaces will further enhance the aesthetic appeal, making the zoo an attractive, family-friendly destination. Additionally, the creation of features like the dancing fountain and waterfall will serve as major attractions, providing aesthetic beauty and pleasant cooling areas for visitors, especially during the region's hot summer months.

Enhancement of Security and Operational Systems

To ensure a safe environment for both visitors and animals, a modern CCTV surveillance system with a central control room will be installed. Additionally, an advanced e-ticketing system will be introduced to streamline entry processes, reduce waiting times, and improve overall visitor management. These upgrades will significantly strengthen security and operational efficiency throughout the zoo.

Conclusion

Overall, this project aims to transform Bahawalpur Zoo into a world-class zoological park that combines modern animal care standards, innovative visitor experiences, and strong educational and community components. Through the introduction of new animal species, groundbreaking facilities such as Pakistan's first indoor zoo, and comprehensive upgrades to infrastructure and staff support systems, the project promises to make Bahawalpur Zoo a source of regional pride and a national model for zoo development. It will not only attract visitors from across the country but also serve as a key platform for promoting biopersity conservation and environmental awareness among the public.

Justification of the Project

The justification for undertaking the "Revamping & Experience Development of Bahawalpur Zoo" project is rooted in an urgent need to modernize and uplift the zoo to meet international standards of animal welfare, visitor engagement, and educational value. Currently, many of the existing enclosures are outdated and lack the necessary design features to ensure the physical and psychological well-being of the animals. Without proper naturalistic environments, animals are often unable to express natural behaviors, which can lead to stress, health problems, and reduced life expectancy. The absence of modern facilities also limits the zoo's

ability to provide visitors with meaningful, engaging, and educational experiences, ultimately affecting its attractiveness and reputation.

By implementing this comprehensive project, the zoo will transform into a state-of-the-art facility that prioritizes the ethical treatment of animals. The new, spacious, and enriched enclosures will provide animals with environments that closely resemble their natural habitats, supporting their health and enhancing their quality of life. The introduction of specialized veterinary facilities will ensure timely and professional healthcare for all animals and birds, further strengthening welfare standards. Improved animal welfare not only aligns with global best practices but also instills public confidence and fosters a culture of respect for wildlife among visitors.

The project also holds immense significance in terms of public education and community awareness. With the upgraded auditorium and the highly innovative Wildlife Museum featuring digital displays, interactive screens, motion-based animal sculptures, and a fossil gallery, the zoo will become a dynamic learning center for students, researchers, and families. Visitors will gain deeper insights into biodiversity, conservation efforts, and the ecological importance of different species. Such educational initiatives are crucial for developing environmental stewardship and inspiring future generations to protect and value wildlife. In the absence of this project, the zoo would continue to miss out on its potential to serve as a vital platform for environmental education and awareness, limiting its contribution to society beyond recreation.

From a visitor perspective, the zoo's transformation will create a truly immersive and memorable experience. The introduction of new and rare animal species, the establishment of Pakistan's first indoor zoo, the creation of water features such as the waterfowl lake, crocodile pond, waterfall, and the dancing fountain, along with improved landscaping and shaded areas, will greatly enhance the zoo's attractiveness. These features will not only provide aesthetic value but also serve as refreshing and engaging spaces for families, especially important considering the hot climate of Bahawalpur. Without these enhancements, the zoo risks remaining a static and less appealing destination, resulting in declining visitor numbers and revenue.

Economically, the project promises significant benefits by boosting tourism and generating higher footfall, leading to increased revenue that can support the zoo's operations and future development. The influx of visitors will stimulate local businesses, create direct and indirect employment opportunities, and contribute to the socio-economic uplift of the region. Furthermore, the establishment of a residential colony for zoo staff will improve their living standards, promote loyalty and motivation, and ensure a stable, dedicated workforce essential for maintaining high-quality care and operational efficiency.

If this project is not undertaken, the consequences would extend far beyond the zoo itself. The continued deterioration of facilities would compromise animal welfare, hinder educational opportunities, and limit the zoo's ability to attract and inspire visitors. It would also mean a lost opportunity for Bahawalpur to position itself as a forward-looking city committed to conservation, education, and community development. Ultimately, without this project, the zoo would fail to reach its full potential as a center of pride for the region and a model for zoological excellence in Pakistan.

In summary, the "Revamping & Experience Development of Bahawalpur Zoo" project is not merely an infrastructure upgrade but a holistic transformation that addresses critical gaps in animal care, public engagement, and regional development. It is an essential step to ensure the zoo's long-term sustainability, strengthen its educational and recreational role, and create a positive impact on the community and wildlife conservation efforts at large.

6.2 SECTORAL SPECIFIC INFORMATION:

The Punjab Wildlife Department is dedicated to conserving biodiversity, protecting native species, and sustainably managing wildlife resources throughout the province. By maintaining zoos, wildlife parks, and protected areas, as well as implementing habitat restoration and public awareness initiatives, the department actively supports the preservation of natural ecosystems. Its core efforts are closely aligned with Sustainable Development Goal 15 (Life on Land), which focuses on protecting, restoring, and promoting sustainable use of terrestrial ecosystems and halting biodiversity loss, and SDG 13 (Climate Action), through activities that strengthen ecosystem resilience and support climate adaptation.

The proposed revamp of Bahawalpur Zoo is a direct extension of these departmental goals. By upgrading enclosures to more naturalistic habitats and improving animal care standards, the project significantly contributes to SDG 15 by enhancing ex-situ conservation measures and protecting endangered species. Furthermore, through better habitat design and vegetation improvements, it supports SDG 13 by promoting ecological balance and climate-friendly practices within the zoo. Thus, this project strongly reinforces the department's commitment to wildlife conservation and climate action, aligning local initiatives with global sustainability priorities.

7. CAPITAL COST ESTIMATES:

Financial Components: Revenue
Cost Center: OTHERS- (OTHERS)
Fund Center (Controlling): LE4217

Grant Number: Development Revenue - (PC22036)
LO NO: LO23000645
A/C To be Credited: Account-I

PKR Million

Sr #	Object Code	2025-2026		2026-2027	
		Local	Foreign	Local	Foreign
1	A02203-Consultant based Research and Surveys	41.446	0.000	22.826	0.000
2	A01106-Pay of Contract Staff	25.900	0.000	33.432	0.000
3	A09501-Purchase of Transport	6.300	0.000	7.000	0.000
4	A09601-Purchase of Plant and Machinery	18.780	0.000	54.175	0.000
5	A09701-Purchase of Furniture and Fixture	0.000	0.000	32.000	0.000
6	A09201-Purchase of Hardware	429.828	0.000	1.500	0.000
7	A09404-Medical And Laboratory Equipment	0.000	0.000	85.000	0.000
8	A09801-Purchase of Livestock	100.000	0.000	400.000	0.000
9	A03807-P.O.L Charges A.Planes H.Coptors S.Car	2.500	0.000	4.500	0.000
10	A03942-Cost of Other Stores	10.000	0.000	30.000	0.000
11	A03907-Advertising and Publicity	18.000	0.000	27.000	0.000
12	A03927-Purchase of Drug and Medicines	7.000	0.000	10.000	0.000
13	A03919-Payments To Others For Service Rendere	50.155	0.000	0.000	0.000
14	A01277-Contingent Paid Staff	10.000	0.000	20.000	0.000

15	A03407-Rates and Taxes	1.000	0.000	0.000	0.000
16	A03901-Stationery	1.000	0.000	1.500	0.000
17	A03303-Electricity	7.000	0.000	8.000	0.000
18	A03806-Transportation Of Goods (Govt)	2.500	0.000	2.500	0.000
19	A03201-Postage and Telegraph	0.300	0.000	0.200	0.000
20	A03204-Electronic Communication	0.500	0.000	1.100	0.000
21	A03805-Travelling Allowance	1.500	0.000	1.500	0.000
22	A03902-Printing and Publication	2.000	0.000	3.000	0.000
23	A03970-Others	1.500	0.000	2.355	0.000
24	A13001-Transport	3.000	0.000	0.000	0.000
25	A12404-Structures	0.000	0.000	70.000	0.000
26	A13801-Maintenance of Gardens	45.000	0.000	15.000	0.000
27	A12403-Other Buildings	1,374.023	0.000	488.000	0.000
Total		2,159.232	0.000	1,320.588	0.000

YEARS-WISE / OBJECT CODE-WISE REQUIREMENT OF FUNDS

(Rs. in million)

Sr. #	Object Code & Items	2025-26	2026-27	Total
REVENUE HEAD				
1.	A01106 – Pay of Contract Staff	25.900	33.432	59.332
2.	A01277 – Contingent Paid Staff	10.000	20.000	30.000
3.	A02203 - Consultant Based Research & Survey	41.446	22.826	64.272
4.	A03201 – Postage and Telegraph	0.300	0.200	0.500
5.	A03204 – Electronic Communication	0.500	1.100	1.600
6.	A03303 – Electricity	7.000	8.000	15.000
7.	A03407 - Rate and Taxes	1.000	-	1.000
8.	A03805 – TA / DA	1.500	1.500	3.000
9.	A03806 – Transportation of Goods	2.500	2.500	5.000
10.	A03807 – POL Charges	2.500	4.500	7.000
11.	A03901 – Stationery	1.000	1.500	2.500
12.	A03902 – Printing & Publication	2.000	3.000	5.000
13.	A03907 – Advertisement & Publicity	18.000	27.000	45.000
14.	A03919 - Payment to others for services Rendered	50.155	-	50.155
15.	A03927 – Purchase of Drug and Medicines	7.000	10.000	17.000

Sr. #	Object Code & Items	2025-26	2026-27	Total
16.	A03942 – Cost of Other Store	10.000	30.000	40.000
17.	A03970 – Others	1.500	2.355	3.855
18.	A09201 – Purchase of Hardware	429.828	1.500	431.328
19.	A09404 – Medical And Laboratory Equipment	-	85.000	85.000
20.	A09501 - Purchase of Transport	6.300	7.000	13.300
21.	A09601 – Purchase of Plant & Machinery	18.780	54.175	72.955
22.	A09701 – Purchase of Furniture & Fixture	-	32.000	32.000
23.	A09801 – Purchase of Livestock	100.000	400.000	500.000
24.	A13001 – Transport	3.000	-	3.000
25.	A12403 – Other Buildings	1374.023	488.000	1862.023
26.	A12404 – Structures	-	70.000	70.000
27.	A13801 – Maintenance of Gardens	45.000	15.000	60.000
Total:		2159.232	1320.588	3479.820

8. ANNUAL OPERATING COST (POST COMPLETION)

Financial Components: Revenue
Cost Center:OTHERS- (OTHERS)
Fund Center (Controlling):LE4217

Grant Number:Development Revenue - (PC22036)
LO NO:LO23000645
A/C To be Credited:Account-I

PKR Million

Sr #	Object Code
Total	

9. Demand and Supply Analysis:

Demand Analysis

The growing urban population, increasing awareness about wildlife conservation, and rising interest in recreational and educational activities have led to a substantial increase in demand for modern zoological facilities in Punjab, particularly in Bahawalpur and its surrounding regions. The existing Bahawalpur Zoo, despite being one of the oldest in the country, has not kept pace with modern standards of animal welfare, visitor facilities, and educational outreach. Visitors increasingly seek interactive, immersive, and educational experiences, reflecting a shift from traditional zoo models to conservation-focused, habitat-based displays. Moreover, schools and universities require well-equipped zoological parks to support curriculum-based learning and environmental education programs. The strong influx of tourists and local families, coupled with feedback on current inadequate facilities, highlights a clear and pressing demand for an upgraded, internationally comparable zoo that offers safe, informative, and enjoyable experiences for all age groups.

Supply Analysis

Currently, the supply of high-standard zoological facilities in South Punjab is extremely limited. The Bahawalpur Zoo operates with outdated infrastructure, insufficient animal housing, limited species diversity, and inadequate visitor amenities. There is a significant gap between the public's expectations and the facilities presently available, which restricts the zoo's capacity to attract and retain visitors. Furthermore, the lack of modern enclosures and proper habitat designs poses challenges for effective animal welfare and conservation efforts. The absence of advanced educational and interpretive centers further limits the zoo's role as a conservation and learning hub.

To bridge this supply gap, the proposed project will introduce state-of-the-art animal enclosures, immersive exhibits, enhanced visitor amenities, and specialized educational facilities, thereby matching the rising demand for quality recreational and conservation-oriented spaces. By meeting this unmet demand, the project is expected to significantly increase visitor footfall, support local tourism, generate revenue, and promote environmental awareness and conservation education at a regional level.

10. FINANCIAL PLAN AND MODE OF FINANCING

10.1 FINANCIAL PLAN EQUITY INFORMATION:

The Project will be implemented through ADP of Punjab Government.

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 proposed revamp of Bahawalpur Zoo will generate broad-ranging benefits by transforming it into a modern, safe, and engaging facility that serves as both a recreational and educational hub. The project will attract more visitors, promote tourism, and stimulate local economic activity, ultimately contributing to regional development. At the same time, it will improve animal welfare and support conservation efforts, aligning with national and global environmental priorities. By offering enhanced learning opportunities and fostering greater public awareness about wildlife and nature, the project will strengthen community involvement and inspire future generations to value and protect biodiversity. Overall, this initiative will

elevate the zoo's status as a model institution, creating lasting social, economic, and environmental impacts for the region.

11.2 ENVIRONMENTAL IMPACT ANALYSIS:

The proposed revamp of Bahawalpur Zoo is designed with a strong focus on environmental sustainability, ecological integrity, and animal welfare. Overall, the project is expected to generate significant positive environmental impacts while mitigating potential adverse effects through careful planning and modern design interventions.

The improvement of animal enclosures will directly contribute to better animal health and welfare by providing more naturalistic, spacious, and enriched habitats. This will reduce animal stress, improve breeding success, and promote natural behaviors, thus supporting ex-situ conservation objectives. The upgraded facilities will also include improved waste management and drainage systems, minimizing contamination risks and ensuring cleaner environments for both animals and visitors.

Vegetation enhancement and landscaping efforts will contribute to microclimate regulation within the zoo premises, improve air quality, and create a more natural ecosystem-like environment. The plantation of native and adaptive plant species will strengthen local biop diversity and provide additional shade, reducing heat stress for animals and visitors alike. These green spaces will also support pollinators and small native fauna, further enriching the local ecological value of the zoo area.

The project incorporates environmentally friendly construction practices, including the use of sustainable building materials and energy-efficient designs. Measures such as rainwater harvesting, water recycling for landscaping, and solar lighting systems will reduce the zoo's ecological footprint and promote resource efficiency. Additionally, the implementation of noise reduction strategies and careful site planning will minimize disturbance to both zoo animals and surrounding wildlife populations.

Potential negative environmental impacts, such as construction-phase dust generation, noise, and temporary disturbance to existing vegetation, will be mitigated through strict adherence to environmental management plans, dust suppression measures, proper disposal of construction waste, and phased construction to reduce disruptions.

Overall, the project is expected to serve as a model for environmentally responsible zoo management in the region. By integrating conservation-oriented design and sustainable operational practices, the revamped zoo will not only enhance visitor experience but also promote broader environmental stewardship and contribute positively to the urban ecosystem of Bahawalpur.

11.3 ECONOMIC ANALYSIS:

The revamp of Bahawalpur Zoo represents a strategic investment expected to deliver significant economic returns and long-term regional development benefits. The primary economic justification for the project lies in its potential to enhance tourism, generate revenue, create employment, and stimulate associated economic activities in Bahawalpur and adjoining areas.

With upgraded facilities, modern enclosures, and enhanced visitor experiences, the zoo is expected to attract a higher number of local, national, and even international tourists. Increased visitor footfall will directly contribute to higher revenue through entry fees, parking charges, concessions, souvenir shops, guided tours, and special educational or recreational events. This additional income will improve the financial sustainability of the zoo, enabling it to maintain higher operational standards and reinvest in conservation and educational programs.

Indirect economic benefits will also be substantial. The project will create employment opportunities during both the construction and operational phases. In the short term, construction activities will generate demand for labor, contractors, and suppliers of building materials and services. In the long term, expanded zoo operations will require additional staff for animal care, maintenance, security, administration, and visitor services, contributing to local job creation and income generation.

Moreover, increased tourist activity will stimulate the local economy by boosting demand for hotels, restaurants, transport services, local markets, and small businesses, thereby supporting livelihoods and fostering inclusive economic growth in the region. The project will also encourage entrepreneurship through opportunities for food stalls, craft vendors, and other allied services within and around the zoo premises.

From a broader perspective, the project will enhance Bahawalpur's profile as a tourist destination, complementing other regional attractions and contributing to a stronger cultural and economic identity for the city. Additionally, by improving revenue generation and reducing dependence on government subsidies for operational expenses, the zoo will move toward greater financial autonomy and long-term economic viability.

Overall, the economic analysis indicates that the proposed zoo revamp is a financially sound investment that will yield wide-ranging economic benefits for the community, local businesses, and the Wildlife Department, ultimately contributing to sustainable regional development.

11.4 FINANCIAL ANALYSIS:

The proposed revamp of Bahawalpur Zoo is expected to be a financially viable project that will strengthen the zoo's operational sustainability and reduce dependence on recurrent government funding over time. The financial analysis considers capital investment costs, potential revenue streams, operational cost implications, and overall financial returns.

The total estimated cost of the project includes civil works, infrastructure development, animal enclosure upgrades, educational and recreational facilities, landscaping, equipment procurement, and capacity-building components. While the initial capital outlay is significant, it is justified by the projected increase in revenue and long-term operational efficiencies.

The primary sources of revenue for the zoo will include entry fees, parking charges, special exhibition tickets, concessions from food courts and souvenir shops, guided tours, and venue rentals for events. Based on comparative trends from other upgraded zoos in Pakistan and similar regional facilities, visitor footfall is expected to increase substantially after modernization — potentially by 50% to 70% in the first few years. This growth in attendance will result in a marked increase in annual income.

Additionally, new attractions such as reptile houses, aquariums, hologram displays, and immersive educational exhibits will allow for differentiated pricing and special event packages, creating new revenue streams. Improved facilities will also encourage schools and organizations to arrange frequent educational trips, further boosting ticket sales.

On the expenditure side, while operational costs will rise due to enhanced services and maintenance requirements, these will be offset by increased revenues. Implementation of energy-efficient systems, modern waste management, and automated ticketing will contribute to cost savings in utilities and administrative processes, improving overall financial efficiency.

The project is expected to achieve a positive net operating balance in the medium term, with improved cash flow enabling reinvestment in conservation activities, further facility enhancements, and staff development. Over time, the zoo will move towards financial self-sufficiency, reducing reliance on government budgetary support for operational expenses.

In conclusion, the financial analysis demonstrates that the revamp project is a sound investment. It promises not only to cover operational costs through internal revenue generation but also to create a surplus that can be utilized to continuously improve services, support conservation efforts, and maintain international standards. This positions the Bahawalpur Zoo as a financially sustainable and self-reliant public facility in the long run.

12. IMPLEMENTATION SCHEDULE

12.1 IMPLEMENTATION SCHEDULE/GANTT CHART:

The project will be implemented w.e.f the date of approval to 30.06.2027.

12.2 RESULT BASED MONITORING (RBM) INDICATORS:

As enclosed in relevant annexure

12.3 IMPLEMENTATION PLAN:

As enclosed in relevant annexure

12.4 M&E 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.

12.5 RISK MITIGATION PLAN:

As enclosed in relevant annexure

12.6 PROCUREMENT PLAN:

As enclosed in relevant annexure

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. The Project Director for this particular project recruited or posted / given additional charge shall be the Project incharge and responsible for its implementation. Project Director along with the help of Project Management Unit of Wildlife Department, will carry out all the activities of the project. The Planning & Development Board will undertake the final evaluation after its completion.

14. ADDITIONAL PROJECTS / DECISIONS REQUIRED

15. CERTIFICATE

Focal Person Name:Ali Usman

Designation:Deputy Chief Wildlife Ranger,
Bahawalpur

Email:

Tel. No.:03001718466

Fax No:

Address:Office of Deputy Chief Wildlife Ranger, Bahawalpur Zoo, Bahawalpur

15. Certified that the project proposal has been prepared on the basis of instructions provided by the Planning Commission for the preparation of PC-I for production sector projects.



PREPARED BY:

(MUHAMMAD ADIL NADEEM)
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PUNJAB WILDLIFE & PARKS DEPARTMENT
HEAD OFFICE, LAHORE



FORWARDED BY:

(SABA ADIL)
PROJECT DIRECTOR
PROJECT MANAGEMENT UNIT
WILDLIFE & PARKS, PUNJAB



CHECKED BY:

(MUBEEN ILLAHI)
DIRECTOR GENERAL
WILDLIFE & PARKS, PUNJAB
2-SANDA ROAD, LAHORE



REVIEWED BY:

(CAPT. (RETD) TAHIR ZAFAR ABBASI)
SPECIAL SECRETARY
GOVERNMENT OF THE PUNJAB
FOREST, WILDLIFE & FISHERIES DEPARTMENT,
LAHORE



SUBMITTED BY:

(MUDDASSIR RIAZ MALIK)
SECRETARY
GOVERNMENT OF THE PUNJAB
FOREST, WILDLIFE & FISHERIES DEPARTMENT,
LAHORE

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		

AREA STATEMENT

The project will be carried out at Bahawalpur Zoo, Bahawalpur.

CONSERVANCY AND WORKS**(Rs. in Million)**

#	Item of Work	Qty	Unit	Rate	2025-26	2026-27	Total
1	Construction Of Parking Area Of 100 Cars And 150 Bikes	60500	Sft	1025.405	62.037	-	62.037
2	Construction Of Pathway Areas (Width=8' Length=21500')	172000	Rft	515.9593	10.745	78.000	88.745
3	Construction of Boundary Wall (Residences=440' Car/Bike Parking=970' Colony=690')	2100	Rft	12221.43	25.665	-	25.665
4	Construction of Bear Housing.	15205	Sft	2392.963	36.385	-	36.385
5	Construction of Birds Aviary	11250	Sft	9458.489	40.408	66.000	106.408
6	Construction of Office Building	5225	Sft	8074.45	42.189	-	42.189
7	Construction of Giraffe Housing	51276	Sft	1559.365	59.958	20.000	79.958
8	Construction of Hippo Housing	18171	Sft	3831.215	60.617	9.000	69.617
9	Construction of Hyena Housing	12684	Sft	3081.205	39.082	-	39.082
10	Construction of Leopard Housing.	16001	Sft	2708.893	43.345	-	43.345
11	Construction of Lion Housing	25004	Sft	4954.327	70.878	53.000	123.878
12	Construction of Main Entrance Gate.	795	Sft	11311.95	8.993	-	8.993
13	Construction of Tiger Housing.	17394	Sft	2340.922	40.718	-	40.718
14	Construction of Public Rest Area 04 Nos. 646 Sft each.	2584	Sft	10676.86	27.589	-	27.589
15	Construction of Puma Housing.	12641	Sft	3087.81	39.033	-	39.033
16	Construction of Slaughter House.	3470	Sft	10055.33	34.892	-	34.892
17	Construction of Staff Residencies.	18000	Sft	8775.611	70.961	87.000	157.961
18	Construction of Ungulate Housings. (368x17=6256)	8091	Rft	11723.77	54.857	40.000	94.857
19	Construction of Vet Complex.	19267	Sft	4127.005	59.515	20.000	79.515
20	Construction of Wolf Housing	14113	Sft	2902.856	40.968	-	40.968
21	Construction of Zoo Kitchen	1520	Sft	8855.921	13.461	-	13.461
22	Construction of Cages 3 Nos	800	Sft	30796.25	15.637	9.000	24.637

Annexure02 - Conservancy & Works

23	Construction of Monkey Housing.	8163	Sft	7324.391	40.789	19.000	59.789
24	Construction of Store Rooms 3 No.s	2070	Sft	8234.783	17.046	-	17.046
25	Construction of Indoor Zoo.	17913	Sft	7638.531	60.829	76.000	136.829
26	Construction of Café Area	19500	Sft	2144.872	41.825	-	41.825
27	Construction of Sprinkler System	LS	L.S	LS	21.580	-	21.580
28	Construction of Sewerage System.	6374	Sft	6631.472	42.269	-	42.269
29	Construction of Crocodile Pond	LS	LS	LS	24.580	-	24.580
30	Construction of Water Supply System.	11587	Rft	6806.939	70.872	8.000	78.872
31	Revamping of Museum	LS	LS	LS	12.880	-	12.880
32	Revamping of Auditorium	LS	LS	LS	9.140	-	9.140
33	Construction of Fountain	LS	LS	LS	21.650	-	21.650
34	Rehabilitation of Duck Pond	LS	LS	LS	18.260	-	18.260
35	Provision of Small Structures	LS	LS	LS	16.240	-	16.240
36	Provision of Mist System in Zoo.	LS	LS	LS	23.780	-	23.780
37	Revamping of Guest Houses 02 Nos.	LS	LS	LS	20.240	-	20.240
38	Dismantling of Existing Structures.	LS	LS	LS	34.110	3.000	37.110
Total:					1374.023	488.000	1862.023

Note: Resident Supervision of the project will be undertaken by the Administrative Department.

MACHINERY STORE & EQUIPMENT**(Rs. in Million)**

#	Item of Work	Qty	Rate / Unit	2025-26	2026-27	Total
1	Procurement of Dustbins (environment friendly)	60	0.040	-	2.400	2.400
2	Procurement of Picnic / Garden Benches / Pavilion / Picnic Area / Table (environment friendly)	LS	10.000	-	10.000	10.000
3	Children Play Area	L.S	15.000	-	15.000	15.000
4	Procurement of Mist Fans	10	0.035	-	0.350	0.350
5	Procurement of Central Ventilation System (Air & Heat)	8	0.800	-	6.400	6.400
6	Procurement of Bracket Fan	15	0.030	0.450	-	0.450
7	Procurement of Air Conditioners (1.5 Tons DC Inverter / Heat & Cool) for Hatchery and Veterinary Complex	13	0.270	3.510	-	3.510
8	Procurement of Cabinet Air Conditioner (2 Ton)	6	0.550	3.300	-	3.300
9	Procurement of Computer Laptop Core Ultra-7 (13 th Generation) with accessories i.e Wireless Mouse, Wireless Key Board, Scanner (Legal Size) & Printer.	4	0.700	2.800	-	2.800
10	Procurement of Medical Equipment	L.S	85.000	-	85.000	85.000
11	Procurement of IT Equipment including E-Parking, E-Ticketing, CCTV, Security & Surveillance Equipment, Video Wall along with allied complete allied software etc.	LS	420.528	420.528	-	420.528
12	Procurement of Printer preferably HP Printer cum Photocopier (Paper Size: A4, Legal, Letter, A3)	2	0.300	0.600	-	0.600
13	Procurement of ADF Scanner with minimum speed of 50 ppm & built-in OCR	2	0.350	0.700	-	0.700
14	Procurement of Color Printer (A3 Size)	2	0.650	1.300	-	1.300
15	Photocopier Machine	1	2.500	2.500	-	2.500
16	Procurement of Digital Camera (Still / Video) SLR/DSLR Preferable Canon EOS 90D with 18-135 MM Kit Lens, Canon RF 100-500 MM Lens and Tripod.	1	1.700	1.700	-	1.700
17	LED UHD (Android) 55"	6	0.250	-	1.500	1.500
18	First Aid Boxes (Standard)	10	0.065	0.650	-	0.650
19	Procurement of Lawn Mover (Tractor Driven)	3	0.300	0.300	0.600	0.900
20	Room Cooler (DC)	15	0.060	-	0.900	0.900
21	Electric Heater	10	0.015	0.150	-	0.150

Annexure03 - Machinery, Store, Tools & Equipment

#	Item of Work	Qty	Rate / Unit	2025-26	2026-27	Total
22	Electric Geyser (80 Liter Capacity)	06	0.045	0.270	-	0.270
23	Small Single Door Refrigerator	5	0.090	0.450	-	0.450
24	Refrigerator Full Size	2	0.400	-	0.800	0.800
25	Deep Freezer (Full Size)	3	0.500	1.500	-	1.500
26	Furniture & Fixture	LS	7.000	-	7.000	7.000
27	Bush Cutter	5	0.090	-	0.450	0.450
28	Electric Water Chillers	05	0.800	-	4.000	4.000
29	Search Lights	25	0.035	-	0.875	0.875
30	Manual Lawn Mover	10	0.040	-	0.400	0.400
31	Fire Fighting Equipment	LS	1.500	1.500	-	1.500
32	Desktop Computer Core i-7 / i-8 (11 th Generation) with accessories i.e Wireless Mouse, Wireless Key Board, Scanner (Legal Size) & Printer.	2	0.700	1.400	-	1.400
33	Back-up Generator 70KVA	3	5.000	5.000	10.000	15.000
34	RO Plant 2000 LPH	1	2.500	-	2.500	2.500
35	20 KW Solar System with Lithium Batteries	1	4.000	-	4.000	4.000
36	Back-up Generator 200KVA	1	15.000	-	15.000	15.000
37	Animal incinerator	1	5.500	-	5.500	5.500
Total:				448.608	172.675	621.283

TRANSPORT

(Rs. in Million)

#	Item of Work	Qty	Rate / Unit	2025-26	2026-27	Total
1	Purchase of Vehicle 1300 CC	1	6.300	6.300	-	6.300
2	Purchase of 4-seater EVs	2	3.500	-	7.000	7.000
Total:				6.300	7.000	13.300

COST OF ESTABLISHMENT

(Rs. in million)

Sr. No.	Name of Post	PPS	No. of Post	Salary Range	Per month Salary	2025-26	Annual Increment	2026-27	Total
1.	Project Director	09	1	306,250 – 502,250	0.400	4.400	8%	5.184	9.584
2.	Lead Wildlife Veterinarian	08	1	218,750 – 358,750	0.300	3.000	8%	3.888	6.888
3.	IT Support Specialist	07	1	157,500 – 258,300	0.250	2.500	8%	3.240	5.740
4.	Zoo Supervisor	05	5	70,000 – 112,000	0.100	5.000	10%	6.600	11.600
5.	Assistant Veterinarian	05	4	70,000 – 112,000	0.100	4.000	10%	5.280	9.280
6.	Lab Technician	05	1	70,000 – 112,000	0.100	1.000	10%	1.320	2.320
7.	Hatchery Operator	02	2	35,000 – 56,000	0.050	1.000	10%	1.320	2.320
8.	Animal Keeper	02	10	35,000 – 56,000	0.050	5.000	10%	6.600	11.600
Total:			25	-	-	25.900	-	33.432	59.332

COMMODITIES AND SERVICES**(Rs. in Million)**

Sr. No.	Item	2025-26	2026-27	Total
1	Purchase of Zoo Exhibits	100.000	400.000	500.000
2	Procurement & fixing of Sculpture	-	70.000	70.000
3	POL Charges	2.500	4.500	7.000
4	Cost of other store	10.000	30.000	40.000
5	Publicity & Advertisement Charges	8.000	2.000	10.000
6	Cost of Chemical and Medicines	7.000	10.000	17.000
7	Contingent Paid Staff	10.000	20.000	30.000
8	Rate and Taxes	1.000	-	1.000
9	Stationary	1.000	1.500	2.500
10	Electricity	7.000	8.000	15.000
11	Transportation of Goods	2.500	2.500	5.000
12	Postage & Telegraph	0.300	0.200	0.500
13	Electronic & Communication	0.500	1.100	1.600
14	Travelling Allowance	1.500	1.500	3.000
15	Printing & Publication Charges	2.000	3.000	5.000
16	Signage & Branding	10.000	25.000	35.000
17	Repair of Transport	3.000	-	3.000
18	Development of thematic component of Museum with animatronics	50.155	-	50.155
19	Landscaping	45.000	15.000	60.000
Sub-Total		261.455	594.300	855.755
20	Others / Contingency Charges	1.500	2.355	3.855
21	Consultancy (5%) (Design 1% of Conservancy, Resident Supervision and Technical 2% of IT Component)	41.446	22.826	64.272
Total		304.401	619.481	923.882

SUMMARY OF COST

(Rs. in million)

Sr. #	Item	2025-26	2026-27	Total
1.	Conservancy & Works	1374.023	488.000	1862.023
2.	Machinery, Store & Equipment	448.608	172.675	621.283
3.	Transport	6.300	7.000	13.300
4.	Establishment Cost	25.900	33.432	59.332
5.	Commodities & Services	304.401	619.481	923.882
Total:		2159.232	1320.588	3479.820

ANNUAL RECURRING COST AFTER COMPLETION OF SCHEME**(Rs. in million)**

Sr. No.	Item / Work	2027-28	2028-29	2029-30
1.	Establishment Cost	12.650	13.015	14.617
2.	Maintenance of Infrastructure	19.850	21.835	23.050
3.	Maintenance of Machinery & Equipment etc.	2.000	2.500	3.000
5.	P.O.L.	5.000	6.000	7.000
6.	Other Contingency	5.000	6.000	7.000
Total:		44.500	49.350	54.667

RECRUITMENT PLAN OF HUMAN RESOURCE

Particulars	2025-26		
	October	November	December
Advertisement			
Receipt of Applications			
Scrutiny of Documents / Shortlisting of Candidates			
Test / Interview			
Selection of Candidates			
Issuance of offer letters / orders			
Medical fitness / Joining			

RECRUITMENT CRITERIA

Sr. No.	Post	PPS	No. of Posts	Job Qualification and Experience	KPIs
1.	Project Director	09	01	Minimum 16 years' education in Zoology / Wildlife Management or relevant field At-least 5 years' relevant post qualification experience in Wildlife Management, Conservation Projects or Zoo Management. Preference will be given to candidates with demonstrated experience in: • Executing wildlife projects. • Financial and accounts management, including budgeting, financial reporting, and audit compliance. • Procurement processes in government organization • Stakeholder engagement and inter-departmental coordination. Maximum age limit 40 years. *Till regular posting of Project Director, any officer in at least BS-17 from Wildlife & Parks Department shall be posted / given additional charge.	• Effective and timely execution of all project components. • Sound financial and procurement management in line with departmental rules. • Strong coordination among project teams and stakeholders. • Assurance of quality and compliance throughout project activities. • Timely reporting and communication with higher authorities.

Sr. No.	Post	PPS	No. of Posts	Job Qualification and Experience	KPIs
2.	Lead Wildlife Veterinarian	08	01	Minimum 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. At-least 5 years' relevant post qualification experience in BS-17 or equivalent private sector experience in wildlife veterinary practice; and having a valid registration with Pakistan Veterinary Medical Council. Age limit upto 40 years. * 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. **If no suitable candidate is available, then any officer amongst Veterinary Officers from Wildlife & Parks Department shall be posted / given additional charge.	• Maintenance of overall animal health and welfare standards. • Safe and secure relocation and reintroduction of animals. • Regular monitoring and preventive veterinary care. • Coordination with project and zoo teams regarding animal requirements. • Ensuring proper medical records and compliance with veterinary standards.
3.	IT Support Specialist	07	01	Minimum 16 years' education from a HEC recognized university in Computer Science / Computer Engineering / Project Management / Software Engineering / IT / Business Administration / Social Sciences or related field. At least 2 years' post qualification experience in related field. Age limit upto 40 years.	• Smooth and uninterrupted operation of IT systems. • Prompt support and resolution of technical issues. • Maintenance and security of project digital records. • Support in technology-based monitoring and reporting.

Sr. No.	Post	PPS	No. of Posts	Job Qualification and Experience	KPIs
					• Training and assistance to staff on IT-related needs.
4.	Zoo Supervisor	05	05	Minimum 16 years' education from a HEC recognized university in Zoology, Wildlife Management, Ecology or related field. At least 2 years' post qualification experience in related field. Age limit upto 35 years.	• Daily supervision of animal care and enclosure maintenance. • Implementation of operational and safety protocols. • Coordination of staff duties and schedules effectively. • Maintenance of visitor safety and animal welfare standards. • Reporting on daily operations and issues to senior management.
5.	Assistant Veterinarian	05	04	Minimum Secondary School (second division) (science subjects) from a recognized Board; and 2 years' diploma of Veterinary Assistant or Livestock Assistant from a recognized Institute At least 2 years' relevant post qualification experience. Age limit upto 35 years.	• Support in routine animal health checks and treatments. • Assistance during animal transfers and medical procedures. • Maintenance of health and treatment records. • Coordination with veterinary and animal care staff. • Contribution to disease prevention and hygiene measures.
6.	Lab Technician	05	01	Secondary School (second division) (science subjects) from a recognized Board. Lab technician / medical lab technician	• Accurate and reliable laboratory testing and reporting. • Maintenance of lab equipment and supplies.

Sr. No.	Post	PPS	No. of Posts	Job Qualification and Experience	KPIs
				diploma (2 years) from a recognized institute At least 3 years' experience Age limit upto 35 years.	• Compliance with laboratory safety protocols. • Support in diagnostic and preventive veterinary work. • Timely sharing of lab findings with concerned teams.
7.	Hatchery Operator	02	02	Matriculation with Science with 2 years' experience in maintenance of Hatchery Age limit upto 40 years.	• Proper maintenance and operation of hatchery facilities. • Care and monitoring of eggs and chicks. • Maintenance of cleanliness and hygiene in hatchery areas. • Accurate record-keeping of hatchery activities. • Support in overall breeding program initiatives.
8.	Animal Keeper	02	10	Middle At least 1-year relevant experience Age limit – 30 years.	• Proper daily feeding and general care of assigned animals. • Maintenance of clean and safe enclosures. • Observation and reporting of animal behavior and health issues. • Compliance with welfare and handling protocols. • Support in routine health checks and enrichment activities.

RECRUITMENT COMMITTEE

The following recruitment committees shall be notified for recruitment against project posts:

A. For PPS 8 and above posts:

1	Secretary, Government of the Punjab, Forestry, Wildlife & Fisheries Department.	Chairman/ Competent Authority
2	Director General Wildlife & Parks Punjab.	Member
3	Additional Secretary Admin, Forestry, Wildlife & Fisheries Department.	Member
4	Representative of Finance Department	Member
5	Representative of Planning & Development Board	Member
6	Any other co-opted member(s) nominated by Secretary FW&F.	Member

B. For project posts up to PPS 7:

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	Project Director / In-charge	Member
6	Any other co-opted member(s) nominated by the Director General Wildlife & Parks.	Member

**SECRETARY
FW&F DEPARTMENT**

ANNUAL PROCUREMENT PLAN IN LINE WITH PPRA**ANNUAL PROCURMENT PLAN FOR 2025-26 & 2026-2027****(Under Rule 8 & 9 of the Punjab Public Procurement Rules 2014)****MACHINERY, STORE, TOOLS & EQUIPMENT****(Rs. in million)**

Sr. No.	Name of Procurement (Description)	Estimated Cost	Procurement Method	Tentative Date of Procurement / Notice Publication	Tentative Date of Award of Contract	Tentative Date of Completion	Remarks (if any)
2025-26							
1.	Procurement of Bracket Fan	0.450	Tender	Jan 10, 2026	Feb 25, 2026	May 31, 2026	
2.	Procurement of Air Conditioners (1.5 Tons DC Inverter / Heat & Cool) for Hatchery and Veterinary Complex	3.510	-do-	Jan 10, 2026	Feb 25, 2026	May 31, 2026	
3.	Procurement of Cabinet Air Conditioner (2 Ton)	3.300	-do-	Jan 10, 2026	Feb 25, 2026	May 31, 2026	
4.	Procurement of Computer Laptop Core Ultra-7 (13 th Generation) with accessories i.e Wireless Mouse, Wireless Key Board, Scanner (Legal Size) & Printer.	2.800	-do-	Jan 10, 2026	Feb 25, 2026	May 31, 2026	
5.	Procurement of IT Equipment including E-Parking, E-Ticketing, CCTV, Security & Surveillance Equipment, Video Wall along with allied complete allied software etc.	500.00	-do-	Jan 10, 2026	Feb 25, 2026	May 31, 2026	
6.	Procurement of Printer preferably HP Printer cum Photocopier (Paper Size: A4, Legal, Letter, A3)	0.600	-do-	Jan 10, 2026	Feb 25, 2026	May 31, 2026	
7.	Procurement of ADF Scanner with minimum speed of 50 ppm & built-in OCR	0.700	-do-	Jan 10, 2026	Feb 25, 2026	May 31, 2026	
8.	Procurement of Color Printer (A3 Size)	1.300	-do-	Jan 10, 2026	Feb 25, 2026	May 31, 2026	
9.	Photocopier Machine	2.500	-do-	Jan 10, 2026	Feb 25, 2026	May 31, 2026	
10.	Procurement of Digital Camera (Still / Video)	1.700	-do-	Jan 10, 2026	Feb 25, 2026	May 31, 2026	

Sr. No.	Name of Procurement (Description)	Estimated Cost	Procurement Method	Tentative Date of Procurement / Notice Publication	Tentative Date of Award of Contract	Tentative Date of Completion	Remarks (if any)
	SLR/DSLR Preferable Canon EOS 90D with 18-135 MM Kit Lens, Canon RF 100-500 MM Lens and Tripod.						
11.	First Aid Boxes (Standard)	0.650	-do-	Jan 10, 2026	Feb 25, 2026	May 31, 2026	
12.	Procurement of Lawn Mover (Tractor Driven)	0.300	-do-	Jan 10, 2026	Feb 25, 2026	May 31, 2026	
13.	Electric Heater	0.150	-do-	Jan 10, 2026	Feb 25, 2026	May 31, 2026	
14.	Electric Geyser (80 Liter Capacity)	0.270	-do-	Jan 10, 2026	Feb 25, 2026	May 31, 2026	
15.	Small Single Door Refrigerator	0.450	-do-	Jan 10, 2026	Feb 25, 2026	May 31, 2026	
16.	Deep Freezer (Full Size)	1.500	-do-	Jan 10, 2026	Feb 25, 2026	May 31, 2026	
17.	Fire Fighting Equipment	1.500	-do-	Jan 10, 2026	Feb 25, 2026	May 31, 2026	
18.	Desktop Computer Core i-7 / i-8 (11 th Generation) with accessories i.e Wireless Mouse, Wireless Key Board, Scanner (Legal Size) & Printer.	1.400	-do-	Jan 10, 2026	Feb 25, 2026	May 31, 2026	
19.	Back-up Generator 70KVA	5.000	-do-	Jan 10, 2026	Feb 25, 2026	May 31, 2026	
2026-27							
1.	Procurement of Dustbins (environment friendly)	2.400	Tender	Jul 10, 2026	Aug 25, 2026	Nov 30, 2026	
2.	Procurement of Picnic / Garden Benches / Pavilion / Picnic Area / Table (environment friendly)	10.000	-do-	Jul 10, 2026	Aug 25, 2026	Nov 30, 2026	
3.	Children Play Area	15.000	-do-	Jul 10, 2026	Aug 25, 2026	Nov 30, 2026	
4.	Procurement of Mist Fans	0.350	-do-	Jul 10, 2026	Aug 25, 2026	Nov 30, 2026	
5.	Procurement of Central Ventilation System (Air & Heat)	6.400	-do-	Jul 10, 2026	Aug 25, 2026	Nov 30, 2026	
6	Procurement of Medical Equipment	85.000	-do-	Jul 10, 2026	Aug 25, 2026	Nov 30, 2026	
7	LED UHD (Android) 55"	1.500	-do-	Jul 10, 2026	Aug 25, 2026	Nov 30, 2026	
8	Procurement of Lawn Mover (Tractor Driven)	0.600	-do-	Jul 10, 2026	Aug 25, 2026	Nov 30, 2026	
9	Room Cooler (DC)	0.900	-do-	Jul 10, 2026	Aug 25, 2026	Nov 30, 2026	
10	Refrigerator Full Size	0.800	-do-	Jul 10, 2026	Aug 25, 2026	Nov 30, 2026	
11	Furniture & Fixture	7.000	-do-	Jul 10, 2026	Aug 25, 2026	Nov 30, 2026	
12	Bush Cutter	0.450	-do-	Jul 10, 2026	Aug 25, 2026	Nov 30, 2026	

Sr. No.	Name of Procurement (Description)	Estimated Cost	Procurement Method	Tentative Date of Procurement / Notice Publication	Tentative Date of Award of Contract	Tentative Date of Completion	Remarks (if any)
13	Electric Water Chillers	4.000	-do-	Jul 10, 2026	Aug 25, 2026	Nov 30, 2026	
14	Search Lights	0.875	-do-	Jul 10, 2026	Aug 25, 2026	Nov 30, 2026	
15	Manual Lawn Mover	0.400	-do-	Jul 10, 2026	Aug 25, 2026	Nov 30, 2026	
16	Back-up Generator 70KVA	10.000	-do-	Jul 10, 2026	Aug 25, 2026	Nov 30, 2026	
17	RO Plant 2000 LPH	2.500	-do-	Jul 10, 2026	Aug 25, 2026	Nov 30, 2026	
18	20 KW Solar System with Lithium Batteries	4.000	-do-	Jul 10, 2026	Aug 25, 2026	Nov 30, 2026	
19	Back-up Generator 200KVA	15.000	-do-	Jul 10, 2026	Aug 25, 2026	Nov 30, 2026	
20.	Animal incinerator	15.000	-do-	Jan 10, 2026	Feb 25, 2026	May 31, 2026	

TRANSPORT

(Rs. in million)

Sr. No.	Name of Procurement (Description)	Estimated Cost	Procurement Method	Tentative Date of Procurement / Notice Publication	Tentative Date of Award of Contract	Tentative Date of Completion	Remarks (if any)
2025-26							
1.	Purchase of Vehicle 1300 CC	6.300	Direct Contracting	-	-	-	
2026-27							
1.	Purchase of 4-seater EVs	7.000	Direct Contracting	-	-	-	

IMPLEMENTATION PLAN**CONSERVANCY AND WORKS****(Rs. in million)**

Sr. #	Item of Work	Cost	2025-26	2026-27
1.	Construction Of Parking Area Of 100 Cars And 150 Bikes	62.037		
2.	Construction Of Pathway Areas (Width=8' Length=21500'	88.745		
3.	Construction of Boundary Wall (Residences=440' Car/Bike Parking=970' Colony=690')	25.665		
4.	Construction of Bear Housing.	36.385		
5.	Construction of Birds Aviary	106.408		
6.	Construction of Office Building	42.189		
7.	Construction of Giraffe Housing	79.958		
8.	Construction of Hippo Housing	69.617		
9.	Construction of Hyena Housing	39.082		
10.	Construction of Leopard Housing.	43.345		
11.	Construction of Lion Housing	123.878		
12.	Construction of Main Entrance Gate.	8.993		
13.	Construction of Tiger Housing.	40.718		
14.	Construction of Public Rest Area 04 Nos. 646 Sft each.	27.589		
15.	Construction of Puma Housing.	39.033		
16.	Construction of Slaughter House.	34.892		
17.	Construction of Staff Residencies.	157.961		
18.	Construction of Ungulate Housings. (368x17=6256)	94.857		
19.	Construction of Vet Complex.	79.515		
20.	Construction of Wolf Housing	40.968		
21.	Construction of Zoo Kitchen	13.461		
22.	Construction of Cages 3 Nos	24.637		
23.	Construction of Monkey Housing.	59.789		
24.	Construction of Store Rooms 3 No.s	17.046		
25.	Construction of Indoor Zoo.	136.829		

Sr. #	Item of Work	Cost	2025-26	2026-27
26.	Construction of Café Area	41.825		
27.	Construction of Sprinkler System	21.580		
28.	Construction of Sewerage System.	42.269		
29.	Construction of Crocodile Pond	24.580		
30.	Construction of Water Supply System.	78.872		
31.	Revamping of Museum	12.880		
32.	Revamping of Auditorium	9.140		
33.	Construction of Fountain	21.650		
34.	Rehabilitation of Duck Pond	18.260		
35.	Provision of Small Structures	16.240		
36.	Provision of Mist System in Zoo.	23.780		
37.	Revamping of Guest Houses 02 Nos.	20.240		
38.	Dismantling of Existing Structures.	37.110		

MACHINERY STORE & EQUIPMENT**(Rs. in million)**

Sr. #	Item of Work	Cost	2025-26	2026-27
1.	Procurement of Dustbins (environment friendly)	2.400		
2.	Procurement of Picnic / Garden Benches / Pavilion / Picnic Area / Table (environment friendly)	10.000		
3.	Children Play Area	15.000		
4.	Procurement of Mist Fans	0.350		
5.	Procurement of Central Ventilation System (Air & Heat)	6.400		
6.	Procurement of Bracket Fan	0.450		
7.	Procurement of Air Conditioners (1.5 Tons DC Inverter / Heat & Cool) for Hatchery and Veterinary Complex	3.510		
8.	Procurement of Cabinet Air Conditioner (2 Ton)	3.300		
9.	Procurement of Computer Laptop Core Ultra-7 (13 th Generation) with accessories i.e Wireless Mouse, Wireless Key Board, Scanner (Legal Size) & Printer.	2.800		
10.	Procurement of Medical Equipment	85.000		
11.	Procurement of IT Equipment including E-Parking, E-Ticketing, CCTV, Security & Surveillance Equipment, Video Wall along with allied complete allied software etc.	500.00		
12.	Procurement of Printer preferably HP Printer cum Photocopier (Paper Size: A4, Legal, Letter, A3)	0.600		
13.	Procurement of ADF Scanner with minimum speed of 50 ppm & built-in OCR	0.700		
14.	Procurement of Color Printer (A3 Size)	1.300		
15.	Photocopier Machine	2.500		
16.	Procurement of Digital Camera (Still / Video) SLR/DSLR Preferable Canon EOS 90D with 18-135 MM Kit Lens, Canon RF 100-500 MM Lens and Tripod.	1.700		
17.	LED UHD (Android) 55"	1.500		
18.	First Aid Boxes (Standard)	0.650		
19.	Procurement of Lawn Mover (Tractor Driven)	0.900		
20.	Room Cooler (DC)	0.900		

Sr. #	Item of Work	Cost	2025-26	2026-27
21.	Electric Heater	0.150		
22.	Electric Geyser (80 Liter Capacity)	0.270		
23.	Small Single Door Refrigerator	0.450		
24.	Refrigerator Full Size	0.800		
25.	Deep Freezer (Full Size)	1.500		
26.	Furniture & Fixture	7.000		
27.	Bush Cutter	0.450		
28.	Electric Water Chillers	4.000		
29.	Search Lights	0.875		
30.	Manual Lawn Mover	0.400		
31.	Fire Fighting Equipment	1.500		
32.	Desktop Computer Core i-7 / i-8 (11 th Generation) with accessories i.e Wireless Mouse, Wireless Key Board, Scanner (Legal Size) & Printer.	1.400		
33.	Back-up Generator 70KVA	15.000		
34.	RO Plant 2000 LPH	2.500		
35.	20 KW Solar System with Lithium Batteries	4.000		
36.	Back-up Generator 200KVA	15.000		
37.	Animal incinerator	5.500		

COMMODITIES & SERVICES**(Rs. in Million)**

Sr. #	Item	Cost	2025-26	2026-27
1.	Purchase of Zoo Exhibits	500.000		
2.	Procurement & fixing of Sculpture	70.000		
3.	POL Charges	7.000		
4.	Cost of other store	40.000		
5.	Publicity & Advertisement Charges	10.000		
6.	Cost of Chemical and Medicines	17.000		
7.	Services Rendered (Solid Waste Management)	10.000		
8.	Contingent Paid Staff	30.000		
9.	Rate and Taxes	1.000		
10.	Stationary	2.500		
11.	Electricity	15.000		
12.	Transportation of Goods	5.000		
13.	Postage & Telegraph	0.500		
14.	Electronic & Communication	1.600		
15.	Travelling Allowance	3.000		
16.	Printing & Publication Charges	5.000		
17.	Signage & Branding	35.000		
18.	Repair of Transport	3.000		
19.	Development of thematic component of Museum with animatronics	50.155		
20.	Others / 2% Contingency Charges	3.855		
21.	Consultancy (Design 1% of Conservancy, Resident Supervision 2% of Conservancy and Tech. 2% of IT component)	64.272		

DETAIL OF SCULPTURES

Sr. #	DESCRIPTION	QTY.	RATE	COST
1	Fabrication, Provision and Fixing of Sculpture Up-to 10'-0" Height, other sizes in proportion	4	2,500,000.00	10,000,000.00
2	Fabrication, Provision and Fixing of Sculpture Up-to 9'-0" Height, other sizes in proportion	3	2,200,000.00	6,600,000.00
3	Fabrication, Provision and Fixing of Sculpture Up-to 8'-0" Height, , other sizes in proportion	3	2,000,000.00	6,000,000.00
4	Fabrication, Provision and Fixing of Sculpture Up-to 7'-0" Height, Sculpture Up-to 9'-0" Height, other sizes in proportion	6	1,800,000.00	10,800,000.00
5	Fabrication, Provision and Fixing of Sculpture Up-to 6'-0" Height Sculpture Up-to 9'-0" Height, other sizes in proportion	6	1,600,000.00	9,600,000.00
6	Fabrication, Provision and Fixing of Sculpture Up-to 5'-0" Height, other sizes in proportion	6	1,400,000.00	8,400,000.00
7	Fabrication, Provision and Fixing of Sculpture Up-to 4'-0" Height, other sizes in proportion	8	1,000,000.00	8,000,000.00
8	Fabrication, Provision and Fixing of Sculpture Up-to 3'-0" Height other sizes in proportion	6	800,000.00	4,800,000.00
9	Fabrication, Provision and Fixing of Sculpture Up-to 2'-0" Height, other sizes in proportion	6	500,000.00	3,000,000.00
10	Fabrication, Provision and Fixing of Sculpture Up-to 1'-6" Height	6	300,000.00	1,800,000.00
11	Fabrication, Provision and Fixing of Sculptures Up-to 1'-0" Height	10	100,000.00	1,000,000.00
	TOTAL			70,000,000.00

Note: Number and size of sculptures may be varied as per site requirement.

**DETAIL OF FURNITURE & FIXTURE FOR OFFICE, VETERINARY COMPLEX,
TICKETING BOOTHS & INSPECTION HUTS**

A – OFFICE

#	Item	Quantity
1	Officer Table with Side Rack & Revolving Chair (Executive)	01 Nos.
2	Officer Table with Side Rack & Revolving Chair	03 Nos.
3	Office Chairs (Executive)	12 Nos.
4	Sofa Set for office with center tables	01 Nos.
5	Office Tables with Side Rack	05 Nos.
6	Officer Chair (Revolving)	05 Nos.
7	Office Chairs	50 Nos.
8	Clerical Tables	10 Nos.
9	Visitor Chairs	70 Nos.
10	White Board (4' x 4')	05 Nos.
11	Soft Display Board (8' x 4')	05 Nos.
12	File Cabinet Steel	15 Nos.
13	Steel Almirah	20 Nos.
14	Computer Table with Chairs (Revolving)	05 Nos.
15	Bench Steel	05 Nos.
16	Stool Wooden	10 Nos.

B – VETERINARY COMPLEX

#	Item	Quantity
1	Lab Tables Steel	03 Nos.
2	Lab Tables Wooden	03 Nos.
3	Bench Steel	05 Nos.
4	Stool Wodden	05 Nos.
5	File Cabinet Steel	05 Nos.
6	Medicine Rack (Pharmacy)	02 Nos.
7	Chemical Rack	02 Nos.
8	Steel Almirah	02 Nos.
9	Visitor Chairs	10 Nos.
10	Computer Table with Chairs (Revolving)	02 Nos.

C – TICKETING BOOTHS

#	Item	Quantity
1	Rostrum	06 Nos.
2	Stool Wooden	10 Nos.
3	Brochure Table	02 Nos.
4	Clerical Table	06 Nos.
5	Computer Table with Chairs (Revolving)	02 Nos.

D – INSPECTION HUT

#	Item	Quantity
1	Double Bed with side tables and mattress	03 Nos.
2	Single Bed with side table and mattress	08 Nos.
3	Dressing Table	05 Nos.
4	Sofa Set for Bed Rooms	06 Nos.
5	Sofa Set for Dining cum TV Lounge	02 Nos.
6	Study Table with chair	06 Nos.
7	Dining Table (Executive) with 12 chairs	01 No.
8	Ward Robe Wooden	04 Nos.
9	Curtains for Bedrooms, Drawing & Dining etc.	10 Set
10	Dining Table with 10 chairs	01 No.
11	Sofa Set with tables (3+2) seater for Drawing Room	03 Nos.
12	Single piece sofa for bed rooms	12 Nos.
13	Outdoor / Garden Seating Set with Umbrella (UPVC)	02 Nos.

DETAIL OF FIRE FIGHTING EQUIPMENT

#	Item	Quantity
1	Fire Buckets, 2-gallon (9 liters) size, 20-gauge G.I. sheet	06 Nos.
2	Stand for buckets	02 Nos.
3	Dry Powder Fire Extinguisher DC-SP-06	02 Nos.
4	Dry Powder Fire Extinguisher DC-SP-12	02 Nos.
5	Water Type Fire Extinguisher Trolley NFPA-10	02 Nos.
6	Carbon Dioxide (CO2) Fire Extinguisher (3Kg and 5 Kg)	5+5 Nos.
7	Aqueous Film Forming Foam (AFFF) Fire Extinguisher (6 liters and 9 liters)	5+5 Nos.
8	Emergency and Safety signs	LS

DETAILS OF MEDICINES AND CHEMICALS

Sr.No.	Medicines and Chemicals	17 million
1.	Xylazine 100 Mg/ml	
2.	Medomidine 20mg/ml	
3.	Ketamine	
4.	Yobine	
5.	Atipamizole	
6.	Amoxicilin LA	
7.	Oxytetracycline LA	
8.	Cefur	
9.	Tylopen	
10.	Oxidil	
11.	Veloceph	
12.	Nugmentin	
13.	Flagyl	
14.	Sulphadimidine	
15.	Tylodox	
16.	CNC-200	
17.	ADEK	
18.	Amprovil	
19.	Amoxicillina	
20.	Vitominerals for ruminants	
21.	Vitominerals for Elephant	
22.	Vitominerals for Rhinoceros	
23.	Vitominerals for Giraffe	
24.	Vitomnerals for big cats	
25.	Flunixin Meglumin	
26.	Ketoprofen	
27.	Meloxicam	
28.	Dexamethasone	
29.	Prednisolon	
30.	Atropine sulphate	
31.	Adrenaline	
32.	Bronchodilator	
33.	Dewormers	
34.	Virkon	
35.	Belloran	

36	Anticoccidial
35	Pyodine
36	Tincture Benzoin Co
37	Antidiarreal
38	Syringes
39	Gowns/ scrub suits/surgical suits
40	Head Caps
41	Masks
42	Different Gloves
43	Bendages

Annexure17 - Detail of Chemicals and Medicine

44	Needles
45	Drip sets
46	Infusions
47	Hematology Analyser Reagents
48	Chemistry Analyser kits/rowters
49	Chemicals for fecal examination
50	Chemicals for blood parasites tests
51	Tissue preservation chemicals
52	Vitominerals
53	Others

DETAIL OF MEDICAL EQUIPMENT

(Rs. in million)

DESCRIPTION	QTY	UNIT PRICE	TOTAL
OPERATION THEATRE			12.50
GAS ANESTHESIA MACHINE (PORTABLE) ALONG WITH VENTILATOR	1	7.000	7.000
VETERINARY PATIENT MONITOR (PORTABLE)	2	1.300	2.600
SURGICAL OT LIGHT	1	1.000	1.000
SURGICAL MOBILE OT LIGHT WITH BATTERIES	1	0.200	0.200
AUTOClave	1	0.300	0.300
ELECTROCARDIOGRAPH	1	0.500	0.500
ELECTROSURGICAL EQUIPMENT VETERINARY	1	0.700	0.700
SUCTION MACHINE VETERINARY	1	0.200	0.200
ICU EQUIPMENT			6.000
OXYGEN CONCENTRATORS	1	0.500	0.500
SYRINGE PUMP	2	0.350	0.700
INFUSION PUMP	2	0.400	0.800
ANIMAL ICU INCUBATOR	4	1.000	4.000
LABORATORY			15.3
ROLLER MIXER	1	0.150	0.150
CENTRIFUGE	2	0.300	0.600
ORBITAL SHAKER	1	0.200	0.200
CLINICAL CHEMISTRY ANALYZER	1	2.500	2.500
HEMATOLOGY ANALYZER	1	7.000	7.000
PIPETTE SET	5	0.100	0.500
URINE ANALYZER	1	0.500	0.500
LAB INCUBATOR	1	0.500	0.500
SLIDE STAINING SET	3	0.050	0.150
SLIDE WARMER	1	0.150	0.150
MCMASER METHOD SLIDE (FOR FECAL EGG COUNT)	5	0.050	0.250
MICROSCOPE WITH LED and CAMERA	1	1.000	1.000
MICROSCOPE	1	0.500	0.500
LAB SCALE	1	0.600	0.600
USEABLES	1	0.700	0.700
RADIOLOGY			18.00
X-RAY MACHINE PORTABLE WITH DR AND LAPTOP	1	14.000	14.000
PORTABLE DOPLER ULTRA SOUND WITH THREE PROBES	1	4.000	4.000
CAPTURING TOOLS			4.800
REMOTE DRUG ADMINISTRATION RIFFLE	2	1.5000	3.000
JAB STICK	1	1.00	1.000
BLOW PIPE	1	0.800	0.800
MEDICAL GASSES			0.290
CYLINDER F SIZE WITH OXYGEN FLOWMETER AND HUMIDIFIER BOTTLE	1	0.200	0.200
CYLINDER SMALL SIZE WITH OXYGEN FLOWMETER AND HUMIDIFIER BOTTLE	1	0.090	0.090
SURGICAL INSTRUMENTS			0.800
SURGICAL KIT	1	0.800	0.8

GENERAL MEDICAL ITEMS			4.080
SCRUB UNIT	1	0.500	0.500
DISTILLATION UNIT	1	0.500	0.500
HOT WATER BATH	1	0.150	0.150
MISC. APPARATUS	1	1.000	1.000
PH METER	1	0.500	0.500
HOOF TRIMMERS AND PICKS COMPLETE KIT	1	0.300	0.300
DEHORERS	1	0.100	0.100
BATTERY OPERATED HAIR TRIMMER	2	0.040	0.080
NAIL GRINDER AND CLIPPER SET	1	0.015	0.015
PULSE OXIMETER SMALL	2	0.200	0.400
VACCINE GUNS FOR BIRDS	3	0.025	0.075
OTOSCOPE	1	0.050	0.100
WOOD LAMP SKIN ANALYZER	1	0.050	0.100
SCALES, ANIMAL AND FOOD	4	0.200	0.800

Annexure18 – List of Medical Equipment

STETHOSCOPE LITHMAN TYPE	2	0.150	0.300
HEATING AND COOLING PAD	2	0.030	0.060
FURNITURE			7.140
EXAMINATION TABLE CUSTOMIZED	2	0.300	0.600
CUSTOMIZED SURGICAL TABLE	1	1.000	1.000
STRETCHER METALLIC CUSTOMIZED	2	0.200	0.400
Cloth STRETCHER	5	0.040	0.200
INSTRUMENT CABINET	5	0.150	0.750
TROLLEY INSTRUMENT S/S	5	0.050	0.250
ANIMAL TRANSPORT CAGES LIONS	4	0.300	1.200
Deer transport Cages	6	0.100	0.600
Large deer and antelope cages	4	0.150	0.600
BIRD TRANSPORT CAGES	10	0.050	0.500
STAND IV ANTISTATIC CASTORS	2	0.020	0.040
LAB FURNITURE	1	1.000	1.000
REFRIGERATION EQUIPMENT			2.000
REFRIGERATOR LABORATORY	1	2.000	2.000
CAPTURING TOOLS			3.825
BOOMA 500 FT LONG 10 FT HIGH	1	1.000	1.000
ROPES ETC .SET	1	0.300	0.300
DEER CAPTURING NET	2	0.300	0.600
MONKEY CAPTURING NET WITH HANDLE	2	0.050	0.100
BIRDS CAPTURING NETS WITH HANDLE	2	0.050	0.100
HEAVY GLOVES (RAPTORS, SMALL CATS ETC.)	5	0.015	0.075
PROTECTION SHIELDS SET	5	0.100	0.500
ANIMAL HANDLING EQUIPMENT WITH HANDLE AND METALLIC WIRE LOOP	1	0.050	0.050
ELECTRIC SHOCK DEVICE	2	0.050	0.100
Accessories	1	1.000	1.000
NECROPSY			1.000
NECROPSY TABLE	1	0.700	0.700
NECROPSY INSTRUMENT SET	2	0.150	0.300
HATCHERY			7.550
EGG INCUBATORS FOR OSTRICH HATCHERY	1	2.500	2.500
EGG INCUBATORS FOR OTHER BIRDS	3	0.750	2.250
Brooding cages	15	0.070	1.050
EGG HATCHER	2	0.750	1.500
TEMPERATURE HUMIDITY METERS	10	0.020	0.200
Candling Light	5	0.010	0.050
Total:			83.285

TENTATIVE LIST FOR ACQUISITION OF ANIMALS

Mammals			
Sr.No.	Name of Species	Quantity	Price / Piece
1.	De brazza	2 Trios (02 Male 04 Female)	2.5m
2.	Capuchin Monkey	2 Trios (02 Male 04 Female)	2.5m
3.	Black Magabey	2 Trios (02 Male 04 Female)	2.5m
4.	Black & White Colobus	2 Trios (02 Male 04 Female)	3.0m
5.	Hippopotamus	1 pair (01 Male 01 Female)	25m
6.	Arabian Oryx	2 Trios (02 Male 04 Female)	3m
7.	Addax	2 Trios (02 Male 04 Female)	3m
8.	Giraffe	2 Trios (02 Male 04 Female)	15m
9.	Striped Hyena	1 Male	3m
10.	Fellow Deer (common spotted)	2 Trios (02 Male 04 Female)	0.8m
11.	Zebra	1 Trios (01 Male 02 Female)	3.5m
12.	Greater Kudu	2 Trios (02 Male 04 Female)	5m
Total:			283.800
Birds			
1.	Ostrich	2 Pairs (02 Male 02 Female)	0.6m
2.	Emu	2 Trios (02 Male 04 Female)	0.6m
3.	Bare-Faced Curassow	5 Pairs (05 Male 05 Female)	0.8m
4.	Helmeted Curassow	5 Pairs (05 Male 05 Female)	1.2m
5.	Blue & Gold Macaw	7 Pairs (07 Male 07 Female)	0.8m
6.	Green winged Macaw	7 Pairs (07 Male 07 Female)	1.4m
7.	African Grey Parakeet	7 Pairs (07 Male 07 Female)	0.1m
8.	Demoiselle Crane	5 Pairs (05 Male 05 Female)	0.1m
9.	Nicobar Pigeon	7 Pairs (07 Male 07 Female)	0.5m
10.	Victorian Crowned Pigeon	5 Pairs (05 Male 05 Female)	0.6m
11.	Lady Amherst Pheasant	12 Pairs (12 Male 12 Female)	0.1m
12.	Reeves's Pheasant	12 Pairs (12 Male 12 Female)	0.1m
13.	Swinhoe's Pheasant	12 Pairs (12 Male 12 Female)	0.1m
14.	Yellow Golden Pheasant	12 Pairs (12 Male 12 Female)	0.1m
15.	Red Golden Pheasant	12 Pairs (12 Male 12 Female)	0.1m
16.	Blue eared Pheasant	12 Pairs (12 Male 12 Female)	0.4m
17.	Brown eared pheasant	12 Pairs (12 Male 12 Female)	0.4m

Annexure19 - Tentative detail for procurement of Animals

18.	Common Cockatoo	5 Pairs (05 Male 05 Female)	0.5m
19.	Love Birds	20 Pairs (20 Male 20 Female)	0.025m
20.	Pineapple Conure	20 Pairs (20 Male 20 Female)	.03m
21.	Sun Conure	10 Pairs (10 Male 10 Female)	0.1m
22.	Pure Green Java Peacock	12 Pairs (12 Male 12 Female)	0.3m
23.	Vulturine Guinea Fowl	3 trios (3 Male 06 Female)	0.4m
24.	Bar headed geese	4 Pairs (04 Male 04 Female)	0.3m
25.	Mute swan	3 pairs (03 male 03 Female)	0.5m
26.	Crested duck	5 Pairs (5 Male 5 Female)	0.1m
27.	Flamingo	10 Pairs (10 Male 10 Female)	0.1m
28.	Pelican	10 Pairs (10 Male 10 Female)	0.3m
29.	Mandarin duck	10 Pairs (10 Male 10 Female)	0.1m
30.	Ashy Headed goose	10 Pairs (10 Male 10 Female)	0.3m
31.	Emperor goose	10 Pairs (10 Male 10 Female)	0.3m
Total:			151.800
Grand Total:			435.600

*The species and number of animal / birds to be procured may be amended as per housing / zoo requirement subject to approval from Project Steering committee.

RESULT-BASED MONITORING (RBM) INDICATORS

Sr. No.	Input	Output	Outcome		Targets after Completion of Project
			Baseline Indicator	Targets after Completion of Project	
1.	Construction of animal houses/ enclosures, addition animals/birds, amusement educational facility	Renovation and modernization of Bahawalpur Zoo	Traditional housing/ enclosure designs with poor animal visibility.	After Renovation of Bahawalpur Zoo, better animal welfare standards will be maintained providing enhanced immersive experience, technology driven recreation and education to the visitors	International animal welfare standards. Imparting wildlife awareness through recreation. Enriched experience development. Digitization of ticketing system.

DETAIL OF IT COMPONENT**SUMMARY**

Sr. No.	Category	Details	Estimated Total Cost (PKR)
1	Administrative & Operational Systems	Includes centralized e-ticketing software, POS and QR code scanners for internal operations, immersive sound systems for controlled messaging, dedicated desktop systems.	39,460,000
2	Digital Experience & Education	Comprises high-impact digital installations such as 3D tunnel, interactive user experiences, 4K ultra-HD digital walls, VR experience, and large-format SMD displays, collectively designed to enrich the educational and experiential value of the zoo for visitors of all age groups.	284,465,000
3	IT Infrastructure & Data Management	Encompasses the complete digital backbone of the zoo, including high-performance servers, NGFW firewalls, Layer 3 and POE network switches, fibre and CAT6 cabling infrastructure, internet connectivity, rack and UPS systems, administrative workstations, display interfaces, virtualization environments, and data protection systems.	46,745,600
4	Security & Surveillance	Covers a comprehensive surveillance and security framework featuring IP and perimeter-protection cameras, centralized NVR-based video recording, real-time environmental sensors, a video wall for live monitoring, and an integrated PA system for crowd communication and emergency response.	33,057,300
5	Visitor Experience & Access Management	Includes automated parking barriers with number plate recognition, people & vehicle counting cameras, and public Wi-Fi infrastructure, Digital Singages — all designed to streamline and enhance the visitor journey from entrance to exit.	16,800,000
Total			420,527,900

ADMIN & OPERATIONAL

Sr. No.	Description	Quantity	Unit	Unit Rate (Incl. Tax & Profit)	Total Cost (PKR)
1	Enterprise e-ticketing & e-parking application	1	System	5,760,000	5,760,000
2	Flapper Gates (Access Control)	8	Units	950,000	7,600,000
3	QR Code Printer	3	Units	300,000	900,000
4	Immersive sound system (zonal)	1	Systems	2,500,000	2,500,000
5	PA Sound system	1	Systems	3,500,000	3,500,000
6	Dedicated desktop systems	5	Units	400,000	2,000,000
7	Multifunction network printers	2	Units	350,000	700,000
8	Business / Visitor Reporting Dashboard	1	System	1,500,000	1,500,000
9	Commissioning and Implementation	1	Units	15,000,000	15,000,000
				Total	39,460,000

DIGITAL EXPERIENCE

Sr. No.	Description	Quantity	Unit	Unit Rate (Incl. Tax & Profit)	Total Cost (PKR)
1	Tunnel with Curved SMD Screens of atleast 1.88mm pixel pitch. Length of tunnel 20 feet, width 15 feet and height 11 feet. Inner surface area of arc tunnel mentioned for screens	1335	Sq ft	140,000	186,900,000
2	Tunnel MS Structure for Screen on the inner surface area of arc	1335	Sq ft	19,000	25,365,000
3	Video Walls (indoor storytelling) 5' x 6'	1	Units	10,000,000	10,000,000
4	Large Outdoor SMDs for shows & awareness 30 x 10	1	Units	21,200,000	21,200,000
5	Digital content package for outdoor SMDs	10	minutes	600,000	6,000,000
6	Immersive Wildlife Station (incl. content)	1	Unit	10,000,000	10,000,000
7	Outdoor SMDs / Pole streamers 3 x 6	10	Units	2,000,000	20,000,000
8	Digital Animal Encyclopedia Station including content	5	System	1,000,000	5,000,000
Total					284,465,000

IT INFRASTRUCTURE AND DATA MANAGEMENT PLAN

Sr #	Item Description	Unit	Qty	Rate (PKR)	Total (PKR)
1	Integration with the already developed QR based Mobile App	Nos	1	3,500,000	3,500,000
2	Dashboard for Management Reporting (ZIMS)	Nos	1	2,500,000	2,500,000
3	High-Performance Application Rack Server	Nos	1	5,200,000	5,200,000
4	Data recovery (HA) Server	Nos	1	2,800,000	2,800,000
5	NGFW Firewall (Next-Gen)	Nos	1	1,700,000	1,700,000
6	POE Layer 3 Switches & Network Distribution System	Nos	2	1,500,000	3,000,000
7	Fibre and CAT6 Cabling Infrastructure	Nos	1	6,500,000	6,500,000
8	Dedicated Internet Connectivity Infrastructure	Nos	1	3,600,000	3,600,000
9	Rack, Power, UPS, and Cooling Infrastructure	Nos	1	2,500,000	2,500,000
10	Workstations (Admin, Control Room, Staff)	Nos	3	300,000	900,000
11	Display Interfaces (LED TVs, Monitors)	Nos	3	600,000	1,800,000
12	Server Virtualization & Stack Monitoring System	Nos	1	2,000,000	2,000,000
13	Enterprise Backup and Recovery Software (Data back up and DR Service)	Nos	1	1,245,600	1,245,600
14	Server & Storage for Media Content	Nos	1	5,600,000	5,600,000
16	Network Equipment & Wireless Access Points	Nos	1	2,500,000	2,500,000
16	APC UPS 5KVa for Systems and Stations	Nos	2	700,000	1,400,000
Total					46,745,600

SECURITY & SURVEILLANCE INFRASTRUCTURE

Sr. No.	Item Description	Unit	Qty	Rate (PKR)	Total (PKR)
1	Centralized Video Management & Recording Infrastructure (VMS + NVR)	Nos	1	5,000,000	5,000,000
2	Backup Storage and Server for CCTVs	Nos	1	2,500,000	2,500,000
3	AI-Powered People Counting Cameras	Nos	6	234,550	1,407,300
4	Perimeter Protection Cameras (4MP IP cameras) inc. cabling and required infra	Nos	64	150,000	9,600,000
5	15' x 20' SMD Video Wall for Surveillance Monitoring PP 4mm	Nos	1	11,800,000	11,800,000
6	IP Phones with IPBX complete in all respects	Nos	10	85,000	850,000
7	Walkie Talkie (2km range) Complete Solution	Nos	20	95,000	1,900,000
Total					33,057,300

VISITOR EXPERIENCE & ACCESS MANAGEMENT

Sr. No.	Item Description	Units	Qty	Rate (PKR)	Total (PKR)
1	High-Speed Parking Barriers (Automated Entry/Exit)	Nos	4	300,000	1,200,000
2	AI-Powered Vehicle Counting Cameras	Nos	4	700,000	2,800,000
3	Parking Booths & Cabins	Nos	4	700,000	2,800,000
4	POS Terminals with Thermal printer, cash drawer complete in all respects for Parking & Ticketing	Nos	10	900,000	9,000,000
5	Thermal Paper Rolls	LS	1	1,000,000	1,000,000
				Total	16,800,000

DETAIL OF THEMATIC COMPONENT OF WILDLIFE MUSEUM

No.	Category	Details	Estimated Total Cost (PKR)
1	Dino Museum	Jungle Themed Entrance and overall thematic element with different Animatronic animals	50,155,000

DINO MUSEUM (ANIMATRONICS)

N o.	Item Description	Size/Type	Quantity	Unit Cost (PKR)	Total Cost (PKR)
1	Themed Entrance and overall thematic element inside existing museum building with complete artistic work and paint	1	1	35,000,000	35,000,000
2	Talking Tree with sound, movement and base platform	Medium (2–3m)	1	6,000,000	6,000,000
3	Dinosaur fossil wall (relief style, themed enclosure mural)	Medium	1	3,200,000	3,200,000
4	Themed Signage, Digital Facts Boards	All sizes	1	2,850,000	2,850,000
5	Floor Standing 4 Ton Air Conditions complete in all respects		4	776,250	3,105,000
				Total	50,155,000

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 Masters / equivalent:

		1 st Div	2 nd Div	3 rd 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

b. Where prescribed minimum qualification is Matric:

		A+	A	B	C	D	E
1	Matric	30	25	20	15	10	5

c. Where prescribed minimum qualification is middle / literate:

		Marks
1	Middle / Literate	30

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)

RISK MITIGATION PLAN

Sr. #	Risks	Causes / Factors	Effects	Risk Mitigation Plan	Institution(s) Responsible to Take Corrective Measures to Mitigate Risk	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 Risk
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	

PROJECT STEERING COMMITTEE

1	Commissioner Bahawalpur Division, Bahawalpur	Chairman
2	Director General, Punjab Wildlife & Parks Department	Member
3	Representative of Planning and Development Board,Punjab	Member
4	Representative of Finance Department,Punjab	Member
5	Project Director	Member / Secretary
6	Any other co-opted member	Member

Term of References

- i. To oversee the implementation of the Project towards achieving desired objectives.
- ii. Provide policy guidance for issues identified during implementation phase.
- iii. Review the periodic monitoring and evaluation reports.
- iv. Approve financial and physical readjustments during implementation process.
- v. Approve change in number or variety of species to be procured as per its availability and while considering the suitability of housing facility.



PND/EnCC/FWF/O/250925/0017

16(60)AC(FWF)P&D/2025
GOVERNMENT OF THE PUNJAB
P&D BOARD
Dated: 25th September, 2025

To,

Director General
Punjab Wildlife and Parks Department

Subject: PC-I SCHEME REVAMPING & EXPERIENCE DEVELOPMENT OF BAHAWALPUR ZOO – VETTING OF ESTIMATES FROM TECHNICAL SECTION

Reference to your office's letter no. DG.W&P/PL:2(98)/2025 dated 17.09.2025 on the subject cited above.

2. I am directed to inform that the detailed estimates of the components that involved lumpsum payments have been vett by the Technical section of P&DB; subject to the provision that the items at Sr.no.11 & 13 of civil works, be quantified in terms of measurement i.e. Rft & No. of bills.



**SANIA SAJJAD | PLANNING OFFICER
(FORESTRY, WILDLIFE & FISHERIES)**

PND po.fwf

154.80.43.145

CC:

1. Secretary
Forestry, Wildlife & Fisheries Department
2. Secretary
P&D Board
3. Senior Chief (Environment and Climate Change)
P&D Board
4. Planning Officer (Forestry, Wildlife & Fisheries)
P&D Board

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042-99059157

4(16)PO(Cons)P&D/2024/Vol-XII
GOVERNMENT OF THE PUNJAB
PLANNING AND DEVELOPMENT BOARD
Dated Lahore 08th October, 2025

To

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

Subject: **APPROVAL OF TORs OF PC-I SCHEME "REVAMPING AND EXPERIENCE DEVELOPMENT OF BAHAWALPUR ZOO" - VETTING / CLEARANCE OF TORs OF CONSULTANCY (SECTOR: FW&F).**

I am directed to refer to your office letter No. 15(185)AC(FWF)P&D/24 dated 16.09.2025 on the subject noted above and to convey the approval of enclosed 03 Nos. of Terms of References (TORs) for hiring the Design Consultancy, Hiring of Technical Consultant and hiring of Construction / Resident Supervision Consultant under the project titled "Revamping and Experience development of Bahawalpur zoo" duly approved by the Authority.

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

 08-10-25
PLANNING OFFICER (CONSULTANCY-II)

CC:

- i. Planning Officer (FW&F) P&D Board w.r.t to his reference letter mentioned above.
- ii. PS to Secretary, P&D Board, Lahore.
- iii. PS to Member (Env. & CC), P&D Board Lahore.
- iv. PA to Sr. Chief (Consultancy) P&D Board Lahore.
- v. Concerned file.

TERMS OF REFERENCE (TORS) FOR DESIGN CONSULTANCY BAHAWALPUR ZOO

BACKGROUND

The Government of Punjab, through the Punjab Wildlife & Parks Department, is implementing the ADP project “**Revamping & Experience Development of Bahawalpur Zoo**” during the Fiscal Year 2025-26 to 2026-27; with the objective of transforming the zoo into a modern, educational, and vibrant eco-tourism facility. The project involves development of new infrastructures (animal housings, moats etc.), upgradation of existing facilities, landscaping, immersive exhibits, animal enclosures and provision of modern visitor amenities (general area, indoor zoo, e-ticketing, parking, digital museum etc.). To ensure quality design and cost-effective execution, the Punjab Wildlife & Parks Department seeks to hire a qualified Engineering Design Consultant Firm.

OBJECTIVES

- i. Prepare detailed designs of all works under the project.
- ii. Ensure integration of architectural, structural, civil, electrical, mechanical, IT, landscaping, and environmental aspects.
- iii. Prepare BOQs, Engineer’s Designs & Estimates and Specifications.
- iv. Provide requisite details and assistance to the department for the issuance of Technical Sanction.

SCOPE OF WORK AND TASKS: RESPONSIBILITY OF THE CONSULTANT FIRM

The consultancy firm is expected to undertake but not necessarily limited to the following tasks; provided that the scope of work / tasks may be decreased or increased by the procuring agency at any time as deemed necessary.

- i. **Surveys & Investigations**
 - a. Electrical Resistivity Survey (for groundwater assessment).
- ii. **Detailed Engineering Designs for**
 - a. Architectural drawings of all buildings / enclosures.
 - b. Engineering / Structural designs (as per latest codes).
 - c. Civil and infrastructure designs (roads, pavements, drainage, sewerage, water supply, wastewater treatment if required).
 - d. Electrical and Mechanical designs (lighting, HVAC, fire safety, power distribution, etc.).
 - e. Landscaping and horticulture design.
- iii. **Tender & Contract Documents**
 - a. Provision of detailed BOQs
 - b. Provision of detailed Engineer’s Estimates
 - c. Provision of detailed Technical Specifications for issuance of Technical Sanction.

ROLE AND RESPONSIBILITY OF CLIENT DEPARTMENT (PROCURING AGENCY)

- a. Ensure timely facilitation, site readiness, and coordination with vendors.
- b. Review and approve consultant’s reports / deliverables.
- c. Execute procurement processes as per PPRA Rules with consultant’s technical support

COORDINATION AND COMMUNICATION

Both the design consultant firm and Wildlife & parks department will designate focal persons to review the progress and conduct regular progress review meetings.



DETAIL OF DELIVERABLES WITH TIMELINES

The design consultancy will span a period of **4 months** from the date of signing the contract agreement. The estimated timelines are outlined below:

Stage	DELIVERABLES	Timeline
i	Electrical Resistivity Survey	Week 0 - 1
ii	Detailed Architectural Drawings	Week 0 - 4
iii	Detailed Engineering / Structural Designs / Drawings	Week 4 - 8
iv	Detailed Electrical & Mechanical Drawings	Week 5 - 8
v	Detailed Horticulture & Landscaping Designs	Week 8 - 11
vi	Submission of detailed BoQs, Engineering Estimates and Technical specifications	Week 11 - 16
Total		16 Weeks

Timelines are provided based on prior approval, site readiness, onboarding of contractor and other required pre-requisites.

QUALIFICATION, EXPERIENCE AND JOB DESCRIPTION OF MANPOWER ENGAGED BY THE CONSULTANT FIRM

The Consultant Firm must be a registered engineering / architectural firm for at least 05 years and also having experience in Zoo / Wildlife Park / Wildlife Eco-tourism projects. The team must include:

Sr. No.	Position	Min. Years of Experience	No.	Staff-Months	Minimum Qualification	Job Description
1	Team Leader / Project Manager (Civil Engineer)	10	1	4	B.Sc. Civil Engineering, (PEC Registered) or equivalent	Lead overall project design and management, client coordination, ensure timely deliverables.
2	Senior Architect	7	1	4	B.Arch. (PCATP Registered) or equivalent	Prepare zoo/park architectural layouts, animal enclosures, and visitor facility designs.
3	Structural Engineer	7	1	3	B.Sc. Civil/Structural Engineering (PEC Registered & Professional Licensed Engineer)	Design and review stability of structures, enclosures, and allied infrastructure.
4	Civil Engineer(s)	5	2	6 (3+3)	B.Sc. Civil Engineering (PEC Registered)	Design of roads, drainage, sewerage, and water supply systems.

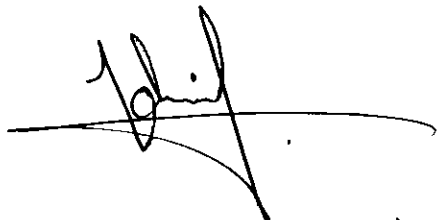


Annexure 27 - Vetting of consultancy TORs by Consultancy Section of P&D Board

Sr. No.	Position	Min. Years of Experience	No.	Staff-Months	Minimum Qualification	Job Description
5	Captive Wildlife Expert	7	1	2	M.Sc. Zoology / Wildlife Management or equivalent	Provide expertise on animal housing, enclosures, and international zoo standards.
6	Electrical & Mechanical Engineer(s)	3	1	2	B.Sc. Electrical/Mechanical Engineering (PEC Registered)	Design of power, HVAC, firefighting, and safety systems.
7	Horticulture / Landscaping Expert	3	1	2	M.Sc. Horticulture / Forestry / Botany or equivalent	Plan zoo-specific landscaping and green spaces.
8	Surveyor	2	1	1	Diploma of Associate Engineer (Civil/Survey) or equivalent	Conduct topographic surveys, leveling, and setting-out.
9	AutoCAD / BIM Operator	2	2	8 (4+4)	Diploma / Certificate in AutoCAD/BIM or equivalent	Prepare design drawings, 3D models, and documentation support.

Professional Liability of Consultant

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


Monitoring & Evaluation
Officer, Head Office
Lahore.

TERMS OF REFERENCE (TORS)

HIRING OF TECHNICAL CONSULTANT FOR REVAMPING OF BAHAWALPUR ZOO

1. Background / Brief Introduction

The Punjab Wildlife and Parks Department intends to revamp Bahawalpur Zoo through deployment of modern IT-based interventions, including a **5-dimensional 3D tunnel, immersive wildlife stations, digital animal encyclopedia stations, digital display screens**, and supporting infrastructure such as surveillance systems, parking system, and high-end servers. These interventions aim to enhance **wildlife awareness, visitor engagement, and conservation education** in line with international best practices in zoos and wildlife parks.

To ensure successful procurement and deployment, the Department requires services of a **Technical Consultant Firm** with expertise in IT-based solution design, procurement advisory, vendor evaluation, and technical supervision.

2. Objectives

The primary objective of engaging the Technical Consultant is to provide **advisory, technical, and supervisory services** for the procurement and implementation of IT-based solutions at Bahawalpur Zoo, ensuring transparency, quality, and sustainability of interventions.

3. Scope of Services

The Consultant Firm shall be responsible for the following tasks:

1. Need Assessment & Planning

- Conduct requirement analysis in consultation with the Department.
- Develop project plans, timelines, and milestones for IT interventions.

2. Technical Advisory & Procurement Support

- Prepare detailed technical specifications and guidelines for procurement.
- Prepare **RFPs/Tender Documents** in line with PPRA rules.
- Provide market analysis to identify suitable vendors.
- Assist in vendor shortlisting, bid evaluation reports, comparison statements, and technical inspection reports.



3. Implementation Oversight

- Supervise delivery, installation, integration, and testing of solutions.
- Ensure compliance with specifications, international standards, and client requirements.
- Support quality assurance and certification of works.

4. Training & Post-Implementation Advisory

- Supervise vendor-led training and knowledge transfer.
- Define maintenance schedules and O&M support mechanisms.
- Provide risk mitigation guidelines and post-implementation advisory and O&M services.

5. Documentation & Communication

- Prepare project reports, progress updates, inspection reports, and handover documentation.
- Maintain continuous communication with the Department and stakeholders.

4. Roles of Consultant Firm

- Provide advisory support for planning, design, vendor selection, and implementation.
- Supervise technical installation, integration, and testing.
- Ensure quality assurance and provide post-implementation guidance.
- Assist in project documentation (RFPs, reports, specifications, etc.).

5. Roles of Client Agency (Punjab Wildlife & Parks Department)

- Execute procurement processes in line with PPRA rules.
- Provide access to sites, data, and relevant documentation.
- Ensure site readiness and coordinate with vendors.
- Review and finalize digital content provided by vendors.
- Assign focal staff for daily coordination and screen operations.

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6. Deliverables with Timelines

Sr. No.	Deliverable	Timeline
1	Requirement analysis & specifications finalization	4 weeks
2	Preparation of RFP/Tender Documents	4 weeks
3	Support in vendor shortlisting & procurement process	5 weeks
4	Advisory support during delivery of hardware/software	16 weeks
5	Technical supervision during deployment	5 weeks
6	Testing & quality assurance of deployed solutions	6 weeks
7	Supervision of training & handover	5 weeks

7. Duration of Assignment

The consultancy assignment shall span **twelve (12) months** from contract signing, subject to approvals, site readiness, and vendor onboarding.

8. Team Composition & Qualification Requirements

Sr. No.	Position	No.	Staff Months	Min. Experience	Minimum Qualification	Roles/Responsibilities
1	DevOps Engineer	01	06	05 years (Large-scale IT projects, preferably Govt./Digital Transformation)	16 years of education in CS/IT/Management Sciences	CI/CD pipelines, scalable infrastructure (Docker/Kubernetes), automation tools, performance monitoring, collaboration with QA teams.
2	Technical Business Analyst	01	04	03 years (IT Project Management)	16 years of education in CS/IT/Management Sciences	Requirement gathering, gap analysis, RFPs/TOR drafting, UAT support, procurement assistance.

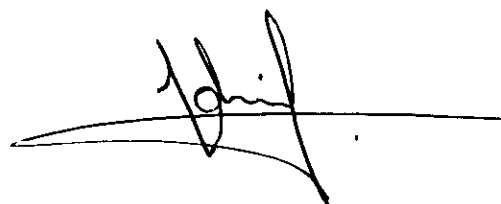
Sr. No.	Position	No.	Staff Months	Min. Experience	Minimum Qualification	Roles/Responsibilities
3	Program Manager / Coordinator (Technical)	01	12	03 years (3D Graphics/IT solutions)	16 years of education in CS/IT	Strategic leadership, project planning, CI/CD automation, database/network troubleshooting, stakeholder management, Project documentation, monitoring, reporting, resource allocation, training coordination.

8. Reporting & Coordination

- The Consultant shall report to the **Executive Committee / Project Director (Bahawalpur Zoo Revamping Project)**.
- Both parties shall designate focal persons.
- Monthly progress review meetings shall be conducted.

9. Professional Liability

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



Monitoring & Evaluation
Officer, Head Office, Lahore.

TERMS OF REFERENCE (TORs)

HIRING OF CONSTRUCTION / RESIDENT SUPERVISION CONSULTANT FOR REVAMPING OF BAHAWALPUR ZOO

1. Introduction / Brief Background

The Punjab Wildlife and Parks Department, as the custodian of wildlife resources of the province, is responsible for the protection, preservation, conservation, and management of wildlife and related natural resources. Since its establishment, the Department has focused on conserving plant and animal species and ensuring their sustainable growth.

The Department evolved from the Game Department in 1934 and was formally restructured into the Punjab Wildlife & Parks Department in 1973. The Punjab Wildlife Act was promulgated in 1974 (amended up to 2007), followed by the enactment of the Punjab Protected Areas Act, 2020, to further strengthen effective management of protected areas in Punjab.

In line with these objectives, a development scheme has been initiated for the **Revamping of Bahawalpur Zoo** to modernize infrastructure, enhance animal welfare, improve visitor facilities, and promote conservation-based eco-tourism. For effective and timely execution of this scheme, the services of a **Resident Supervision Consultant** are required to oversee construction activities, ensure quality assurance, and provide technical and contract management support throughout the project duration.

Implementing Agencies

- **Sponsoring Agency:** Forestry, Wildlife & Fisheries Department, Punjab
- **Execution Agency:** Punjab Wildlife & Parks Department
- **Operations and Maintenance Agency:** Punjab Wildlife & Parks Department

Project Location and Geographical Area

The project will be implemented at **Bahawalpur Zoo, Bahawalpur, Punjab.**

2. Objectives

The primary objective of hiring a Resident Supervision Consultant is:

- Supervise and ensure quality execution of all civil, electrical, mechanical, horticulture, and zoo-specific works in accordance with approved designs, BoQs, and specifications.
- Strengthen project and contract management for timely, cost-effective, and dispute-free completion of the project.
- Safeguard animal welfare and integrate wildlife management considerations during construction and development works.



- Guide landscaping, habitat development, and plantation for creating naturalistic enclosures and eco-friendly visitor facilities.
- Maintain quality assurance through inspections, testing, and verification of materials and workmanship.
- Ensure compliance with environmental and social safeguard requirements throughout project execution.
- Support the Client Department through technical guidance, documentation, reporting, and stakeholder coordination.
- Verify, certify, and document contractors' works, interim payments, and final project completion.

3. Scope of Work

The Resident Supervision Consultant shall act as **Resident Engineer** on behalf of the Client (Punjab Wildlife & Parks Department) and will be responsible for overall supervision, quality control, contract management, and technical guidance for the works. The key responsibilities will include:

- Supervise civil works in line with approved designs, BoQs, and specifications, ensuring quality assurance and contract compliance.
- Monitor contractors' performance, work schedules, and progress, taking corrective measures to avoid delays.
- Verify and approve contractors' working drawings, method statements, materials, and workmanship.
- Supervise electrical and mechanical installations, ensuring compliance with approved designs, standards, and safety requirements.
- Conduct inspections, laboratory and field tests, and approve sources of materials as per QA/QC standards.
- Issue supplementary drawings, variation orders, and site instructions where required.
- Maintain complete site records including inspection logs, test data, progress reports, and financial records.
- Certify contractors' interim and final payment bills in accordance with executed works and contract provisions.
- Assist Client in handling contractual matters including claims, extensions of time, variations, and dispute resolution.
- Support compliance with environmental and social safeguard requirements (EMP, resettlement, consultations, compensation verification, safeguard monitoring reports).

- Coordinate with stakeholders including contractors, local authorities, utility providers, and landowners to minimize disputes and delays.
- Facilitate audits by providing supporting records, clarifications, and documentation.
- Ensure development of animal housings as per international wildlife standards ensuring maximum animal welfare.
- Guide landscaping, plantation, and habitat development ensuring eco-friendly, naturalistic enclosures.
- Prepare and submit monthly/quarterly progress reports and assist Client in reporting to higher authorities.
- Jointly inspect completed works with Client, review as-built drawings, certify completion, and conduct defect liability inspections.
- Support Client in organizing government/donor delegation visits, site presentations, and review meetings.
- Conduct detailed topographical surveys, if required, for recording exact site conditions, levels, structures, and features.
- Prepare and verify measurements, maintain Measurement Books (MBs), check contractors' bills, and certify quantities for payment.

4. Role of the Client

The **Punjab Wildlife & Parks Department** will provide overall supervision and policy guidance, and shall:

- Ensure financial management, including approvals of payment certificates.
- Facilitate coordination with local stakeholders, authorities, and communities to avoid delays and disputes.
- Monitor progress through reports and meetings, ensuring regulatory compliance and alignment with departmental objectives of wildlife conservation and eco-tourism.
- Provide necessary support to the Consultant in risk management, stakeholder engagement, and resolution of issues.
- Review final deliverables to ensure compliance with required standards.

5. Duration of the Assignment

The duration of the Resident Supervision Consultancy assignment shall be **18 months** from contract signing, covering construction supervision, reporting, and defect liability support, starting from the award of works.

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6. Deliverables

The Resident Supervision Consultant will be responsible for the following deliverables:

Sr. No.	Deliverable	Timeline
01	Resident project supervision and submission of regular monthly progress reports	18 months (from works award)
02	Quarterly monitoring and safeguard compliance reports	Throughout project duration
03	Final project completion report	Upon completion of project
04	Assistance during defect liability inspections and submission of rectification reports	As per contract schedule

7. Qualification and Experience of the Firm / Core Team

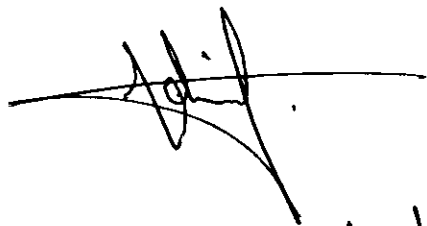
The Consultancy Firm must deploy a team of qualified experts with relevant experience. The core team shall include, but not be limited to, the following positions:

Sr. No.	Position	Min. Years of Experience	No.	Staff-Months	Minimum Qualification	Job Description
1	Resident Engineer	15	1	18	B.Sc. Engineering (Registered) or equivalent	Oversee all construction operations, ensuring compliance with design and specifications.
2	Resident Wildlife Expert	10	1	12	M.Sc. Zoology / Wildlife Management or equivalent	Provide expertise on wildlife management during construction to ensure maximum animal welfare by following international wildlife standards.
3	Resident Horticulture Expert	10	1	06	M.Sc. Horticulture / Forestry / Botany or equivalent	Guide landscaping, plantation, and habitat development.

Sr. No.	Position	Min. Years of Experience	No.	Staff-Months	Minimum Qualification	Job Description
4	ARE (Civil)	9	1	18	B.Sc. Engineering (Civil Registered) or equivalent	Assist in civil works supervision and reporting.
5	ARE (Electrical/Mechanical)	9	1	18	B.Sc. Electrical/Mechanical Engineering (PEC Registered) or equivalent	Supervise electrical and mechanical works ensuring quality.
6	Material Engineer	7	1	18	B.Sc. Civil / Materials Engineering or equivalent	Monitor material quality, testing, and approval.
7	Surveyor	6	1	18	Diploma of Associate Engineer (Civil/Survey) or equivalent	Conduct surveys, levels, and ensure site compliance.
8	Quantity Surveyor	9	1	18	B.Sc. Engineering / Diploma in Quantity Surveying or equivalent	Manage cost estimation, material tracking, and IPC verification.
9	Lab Technician	7	1	06	Diploma in Civil / Materials Technology or equivalent	Conduct material and quality testing.

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 to date)**.


Monitoring & Evaluation
Officer, Head office,
Lahore.

URGENT



PND/PhD/Coord/Q/250903/0139

12(9) PO(COORD-II)P&D/2025
GOVERNMENT OF THE PUNJAB
P&D BOARD

Dated: 3rd September, 2025

04299059302

To,

1. Secretary
Forestry, Wildlife & Fisheries Department
2. All Member, PDWP

Subject:

**MINUTES / DECISIONS OF THE MEETING OF 20TH PROVINCIAL
DEVELOPMENT WORKING PARTY (PDWP) DATED 18.08.2025 (SECTOR:
FW&F)**

I am directed to enclose herewith minutes of the [20th PDWP meeting held on 18th August, 2025](#) under the chairmanship of Chairman P&D Board, for information and further necessary action of the following item (s):-

Agenda Item No.	ADP No. (2025-26)	Name of the Item	Approved Cost (Rs. in million)
09	2605 (New)	Revamping and Experience Development of Bahawalpur Zoo	3,479.820

ABRAHAM MALL | PLANNING OFFICER
(COORDINATION-II)

CC:

1. Staff Officer to Chairman
P&D Board
2. Staff Officer to Secretary , (Planning and Development Board)
P&D Board



	GOVERNMENT OF THE PUNJAB PLANNING & DEVELOPMENT BOARD FW&F SECTION
MINUTES OF 20TH PDWP MEETING HELD ON 18.08.2025	
Agenda Item No.09	Revamping and Experience Development of Bahawalpur Zoo ADP No. 2605 (New)
Date & Time:	18.08.2025 (Monday) at 11:40 AM
Venue:	AKS Auditorium P&D Board
Participants:	List Attached

Introduction:

The Sr. Chief (Env. &CC.), P&D Board briefed the forum that the project titled "Revamping and Experience Development of Bahawalpur Zoo" has been included in the ADP 2025-26 under GS. No. 2605 as a new scheme. She further added that the Forestry, Wildlife & Fisheries Department has submitted the PC-I for the project, with an estimated cost of Rs. 3,491.942 million and a gestation period of 24 months (till June 2027), for the consideration of the PDWP.

2. She further informed that, through the implementation of this project, the AD intends to establish a modern and vibrant zoo that will serve as a source of regional pride and a model for other zoos in Pakistan. It envisions the up-gradation and rehabilitation of animal enclosures, improvement of overall infrastructure, and the introduction of new species, along with the incorporation of advanced, first-of-its-kind facilities and concepts in the country. The initiative is designed to improve animal welfare, enhance visitor experience and recreational opportunities, promote education and biodiversity awareness, strengthen security and operational efficiency, and contribute to economic uplift and employment generation.

Discussion:

3. The Director General, Wildlife & Parks briefed the forum that Bahawalpur Zoo, established in 1942 over an area of 33 acres, is currently home to about 1,725 wild animals belonging to 65 species. However, the zoo is facing challenges such as improper pairing and a limited variety of exhibits. To address these issues, the project has been envisaged to upgrade the zoo's infrastructure by establishing new facilities, including a main gate and general area, parking space for 100 cars and 150 bikes, a boundary wall, veterinary complex and hatchery, slaughterhouse, an indoor zoo, animal enclosures/moats, and a birds' aviary. Furthermore, existing facilities such as the Wildlife Museum, auditorium, and housing for bears, lions, hyenas, tigers, and monkeys will be upgraded and rehabilitated. The project also envisions the acquisition of new zoo exhibits.

4. The forum raised a query regarding the execution of the IT component of the project, costing Rs. 420.528 million. The Director General, W&P, explained that third-party consultants would be engaged to supervise this part of the scheme, as the zoo education

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Minutes of 20th PDWP meeting held on 18.08.2025

and immersive center is a major component of the project. A member of the forum further inquired about the rationale for charging 2% consultancy fees on IT equipment. In response, the Director General clarified that the consultancy was proposed to ensure supervision of the procurement and installation of the IT component of the project, which includes complex hardware. The forum agreed with the Department's proposal.

5. On a query from the forum about what animals are going to be brought under this project to the BWP Zoo, the Director General, W&P informed that AD has planned to bring Giraffe, Hippo, African kudu, Puma, Blesbok, Addax, Oryx, various species of primates and multiple species of birds.

6. A member of the forum highlighted that lump sum rates were used in some of the civil cost estimates, for which the AD had been requested during the pre-PDWP meeting to provide details. However, the same has not yet been submitted by the AD. The Director General, W&P, informed the forum that detailed estimates of these components will be provided before the issuance of the Technical Sanction and that the estimates will also be vetted by the Technical Section of the P&D Board.

7. A member of the forum inquired about the justification for the 25 project posts on PPS and whether no staff is presently available in the zoo. The Director General, Wildlife & Parks, clarified that out of 63 sanctioned posts, only 34 are currently filled. He explained that the proposed positions are essential to ensure smooth implementation of the project. He further informed that, after the completion of the project, the salaries of the staff will be managed through the increased revenue generated by the zoo itself. The forum agreed with the 25 project posts on PPS proposed the scheme.

8. The forum raised a query that there is no provision for a business model in the PC-I of the scheme and how the department will manage to meet the animal feed budget after project completion. Upon this, the Director General highlighted that the current annual footfall of the Bahawalpur Zoo is around 80,000, which is projected to increase to 1.2 million after up-gradation. He added that, similar to the Lahore Zoo and Safari Zoo, Lahore, the Bahawalpur Zoo will also become self-sustainable in generating revenue and meeting its expenditures. He also added that the revamped zoo is also expected to contribute towards meeting some of the future expenses of nearby zoos. The forum directed the department to include a Zoo Management System to effectively monitor the zoo activities and particularly animal feeding.

9. The forum inquired about the availability of CCTV cameras inside the animal enclosures. The Director General, Wildlife & Parks, informed that a comprehensive CCTV system, including coverage of animal enclosures, will be installed throughout the zoo to ensure effective monitoring and control.

10. The forum also advised the department to ensure the provision of wheelchair accessibility in the proposed components.

SR. CHIEF (ENV.&CC)
P&D BOARD

11. After incorporation of decisions of PDWP, the cost of the project was approved at a cost of Rs. 3,479.820 million with the following break-up:

Sr. No.	Detail of Items	Rs. In Million
		Approved Cost
1.	Civil Work	1,862.023
2.	Machinery & Equipment	621.283
3.	Transport	13.300
4.	Cost of Establishment	59.332
5.	Commodities & Services	923.882
	Total	3,479.820

Decisions:

12. After detailed deliberations, the forum unanimously approved the scheme and following decisions were made:

- The scheme was approved at a cost of Rs.3,479.820 million till June 2027 subject to fulfillment of all codal, legal / procedural formalities by the Sponsoring Department as well as Executing Agencies.
- The department to ensure the provision of wheelchair accessibility in the project.
- The AD shall provide detailed estimates for the components where lump sum rates have been used in the civil cost estimates and the same will also be vetted by the Technical Section of the P&D Board.
- The AD should incorporate a Zoo Management System to effectively monitor overall zoo activities, particularly animal feeding.
- All vehicles procured by the AD shall be properly branded as the property of the FWF Department.
- ToRs of consultancy shall be vetted / cleared by the Consultancy section of the P&D Board.
- The AD to revise the PC-I accordingly and upload it to SMDP Portal.

SR. CHIEF (ENV.&CC)
P&D BOARD

LIST OF PARTICIPANTS**20th PDWP MEETING, FY 2025-26****Dated: 18.08.2025**

Name of the Officer		Designation / Department
PLANNING AND DEVELOPMENT BOARD		
1.	Dr. Naeem Rauf	Chairman P&D Board (In Chair)
2.	Mr. Rafaqat Ali	Secretary P&D Board / Member (Env. &CC)
3.	Mr. M. Masood Anwar	Chief Economist
4.	Mr. Muhammad Ajmal Bhatti	Member (ID/ Energy)
5.	Mr. Khawar Kamal	Member (LG&CD/UD)
6.	Mr. Aslam Javed	Member (Agriculture)
7.	Mr. Agha M. Ali Abbas	Member (Governance)
8.	Mr. Mohsin Abbas Shakir	Member (Water)
9.	Mr. Sohail Rauf	Sr. Chief (C&M)
10.	Dr. Waheed Asghar	Sr. Chief (ECA)
11.	Ms. Nadia Shafiq	Sr. Chief (Env.&CC.)
12.	Mr. Abid Inayat Shekih	Chief (Technical)
13.	Mr. Musa Raza	Assistant Chief (Coord-II)
14.	Ms. Rabbia Ali	Assistant Chief (FW&F)
15.	Ms. Sania Sajjad	Planning Officer (FW&F)
16.	Mr. Khalid Javid	Consultant (ID)
PLANNING AND DEVELOPMENT BOARD (SOUTH PUNJAB)		
17.	Mr. Akhter Mandhaira	Addl. Secretary
18.	Mr. Malik Ghulam Fareed	Chief
19.	Mr. Muhammad Rashid	Assistant Chief
URBAN UNIT		
20.	Mr. Muhammad Adnan	Program Manager
PUNJAB ECONOMIC RESEARCH INSTITUTE (PERI)		
21.	Dr. Muhammad Avais	Chief of Research
DIRECTORATE OF MONITORING & EVALUATION (DG M&E)		
22.	Mr. Muhammad Asad Khan	Director (Coord. & Monitoring)
ENVIRONMENT PROTECTION DEPARTMENT		
23.	Mr. Khuram Waqas Malik	Eng. Economist
FORESTRY, WILDLIFE & FISHERIES DEPARTMENT		
24.	Mr. Mubeen Ilahi	Director General (Wildlife)
25.	Mr. Junaid Nadeem	Deputy Chief Wildlife Rangers (Headquarter)
FINANCE DEPARTMENT		
26.	Mr. M. Adnan Zahid	AS (F)





REVAMPING AND EXPERIENCE DEVELOPMENT OF BAHAWALPUR ZOO

ANNOTATED REPLY ON DECISIONS OF PDWP MEETING HELD ON 18.08.2025

Sr. No.	Observation	Reply
1.	The scheme was approved at a cost of Rs.3,479.820 million till June 2027 subject to fulfillment of all codal, legal / procedural formalities by the Sponsoring Department as well as Executing Agencies.	Noted.
2.	The department to ensure the provision of wheelchair accessibility in the project.	Noted for compliance. Wheelchair accessibility will be ensured in the project.
3.	The AD shall provide detailed estimates for the components where lump sum rates have been used in the civil cost estimates and the same will also be vetted by the Technical Section of the P&D Board.	Detailed estimates have been prepared and accordingly vetted by Technical Section of P&D Board. Vetting of Technical section has been incorporated in PC-I at Annexure-25.
4.	The AD should incorporate a Zoo Management System to effectively monitor overall zoo activities, particularly animal feeding.	Noted for compliance. Zoo management system will be incorporated for effective monitoring of zoo activities.
5.	All vehicles procured by the AD shall be properly branded as the property of the FWF Department.	Noted for compliance.
6.	TORs of consultancy shall be vetted / cleared by the Consultancy section of the P&D Board.	TORs prepared and accordingly vetted by Consultancy section of P&D Board. Vetted TORs attached at Annexure-26 in the finalized PC-I scheme.
7.	The AD to revise the PC-I accordingly and upload it to SMDP Portal.	Noted. PC-I amended in light of decisions of PDWP meeting and accordingly uploaded on SMDP Portal.



E Grid Solutions

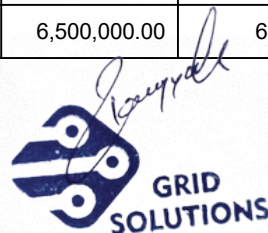
Finding Real World Solutions

Date: 7-8-2025

To,
The Wildlife & Parks Department
2- Sanda Road, Lahore

QUOTATION FOR IT WORKS

No.	Description	Quantity	Unit	Unit Rate (Incl. Tax & Profit)	Total Cost (PKR)
1	Enterprise e-ticketing & e-parking application	1	System	5,760,000.00	5,760,000.00
2	Flapper Gates (Access Control)	8	Units	950,000.00	7,600,000.00
3	QR Code Printer	3	Units	300,000.00	900,000.00
4	Immersive sound system (zonal)	1	Systems	2,500,000.00	2,500,000.00
5	PA Sound system	1	Systems	3,500,000.00	3,500,000.00
6	Dedicated desktop systems	5	Units	400,000.00	2,000,000.00
7	Multifunction network printers	2	Units	350,000.00	700,000.00
8	Business / Visitor Reporting Dashboard	1	System	1,500,000.00	1,500,000.00
9	Tunnel with Curved SMD Screens of atleast 1.88mm pixel pitch. Length of tunnel 20 feet, width 15 feet and height 11 feet. Inner surface area of arc tunnel mentioned for screens	1335	Sq ft	140,000.00	186,900,000.00
10	Tunnel MS Structure for Screen on the inner surface area of arc	1335	Sq ft	19,000.00	25,365,000.00
11	Video Walls (indoor storytelling) 5' x 6'	1	Units	10,000,000.00	10,000,000.00
12	Large Outdoor SMDs for shows & awareness 30 x 10	1	Units	21,200,000.00	21,200,000.00
13	Digital content package for outdoor SMDs	10	minutes	600,000.00	6,000,000.00
14	Immersive Wildlife Station (incl. content)	1	Unit	10,000,000.00	10,000,000.00
15	Outdoor SMDs / Pole streamers 3 x 6	10	Units	2,000,000.00	20,000,000.00
16	Digital Animal Encyclopedia Station including content	5	System	1,000,000.00	5,000,000.00
17	Integration with the already developed QR based Mobile App	1	Nos	3,500,000.00	3,500,000.00
18	Dashboard for Management Reporting (ZIMS)	1	Nos	2,500,000.00	2,500,000.00
19	High-Performance Application Rack Server	1	Nos	5,200,000.00	5,200,000.00
20	Data recovery (HA) Server	1	Nos	2,800,000.00	2,800,000.00
21	NGFW Firewall (Next-Gen)	1	Nos	1,700,000.00	1,700,000.00
22	POE Layer 3 Switches & Network Distribution System	2	Nos	1,500,000.00	3,000,000.00
23	Fibre and CAT6 Cabling Infrastructure	1	Nos	6,500,000.00	6,500,000.00





E Grid Solutions

Finding Real World Solutions

QUOTATION FOR IT WORKS

No.	Description	Quantity	Unit	Unit Rate (Incl. Tax & Profit)	Total Cost (PKR)
24	Dedicated Internet Connectivity Infrastructure	1	Nos	3,600,000.00	3,600,000.00
25	Rack, Power, UPS, and Cooling Infrastructure	1	Nos	2,500,000.00	2,500,000.00
26	Workstations (Admin, Control Room, Staff)	3	Nos	300,000.00	900,000.00
27	Display Interfaces (LED TVs, Monitors)	3	Nos	600,000.00	1,800,000.00
28	Server Virtualization & Stack Monitoring System	1	Nos	2,000,000.00	2,000,000.00
29	Enterprise Backup and Recovery Software (Data back up and DR Service)	1	Nos	1,245,600.00	1,245,600.00
30	Server & Storage for Media Content	1	Nos	5,600,000.00	5,600,000.00
31	APC UPS 5KVa for Systems and Stations	2	Nos	700,000.00	1,400,000.00
32	Centralized Video Management & Recording Infrastructure (VMS + NVR)	1	Nos	5,000,000.00	5,000,000.00
33	Backup Storage and Server for CCTVs	1	Nos	2,500,000.00	2,500,000.00
34	AI-Powered People Counting Cameras	6	Nos	234,550.00	1,407,300.00
35	Perimeter Protection Cameras (4MP IP cameras) inc. cabling and required infra	64	Nos	150,000.00	9,600,000.00
36	15' x 20' SMD Video Wall for Surveillance Monitoring PP 4mm	1	Nos	11,800,000.00	11,800,000.00
37	IP Phones with IPBX complete in all respects	10	Nos	85,000.00	850,000.00
38	Walkie Talkie (2km range) Complete Solution	20	Nos	95,000.00	1,900,000.00
39	High-Speed Parking Barriers (Automated Entry/Exit)	4	Nos	300,000.00	1,200,000.00
40	AI-Powered Vehicle Counting Cameras	4	Nos	700,000.00	2,800,000.00
41	Parking Booths & Cabins	4	Nos	700,000.00	2,800,000.00
42	POS Terminals with Thermal printer, cash drawer complete in all respects for Parking & Ticketing	10	Nos	900,000.00	9,000,000.00
43	Themed Entrance and overall thematic element inside existing museum building with complete artistic work and paint	1	1	35,000,000.00	35,000,000.00
44	Talking Tree with sound, movement and base platform	1	Medium (2-3m)	6,000,000.00	6,000,000.00
45	Dinosaur fossil wall (relief style, themed enclosure mural)	1	Medium	3,200,000.00	3,200,000.00
46	Themed Signage, Digital Facts Boards	1	All sizes	2,850,000.00	2,850,000.00
47	Floor Standing 4 Ton Air Conditions complete in all respects	4		776,250.00	3,105,000.00
TOTAL AMOUNT (PKR)					452,182,900.00



Price List of Green RPC Products (for Registered Person)				
Fig No	Product Name	Rate	Sales Tax (18%)	Net Price (Rs.)
1	Children Outdoor Play set	690,750	124,335	815,085
2	Children Outdoor Play set	765,000	137,700	902,700
3	Children Outdoor Play set	432,000	77,760	509,760
4	Children Outdoor Play set	450,000	81,000	531,000
5	Children Outdoor Play set	485,000	87,300	572,300
6	Children Outdoor Play set	3,150,000	567,000	3,717,000
7	Monster Truck	472,500	85,050	557,550
8	Merry Go Round, Dia 10ft	168,750	30,375	199,125
9	Garden Bench 4ft long with arms	17,550	3,159	20,709
10	Garden table with 2 benches 4ft with arms	51,750	9,315	61,065
11	Straight bench 6ft long	23,400	4,212	27,612
	Straight bench 4ft long	14,850	2,673	17,523
12	Garden Bench 4ft long	21,150	3,807	24,957
13	Classic Picnic table	91,350	16,443	107,793
14	Picnic table in round shape	101,250	18,225	119,475
15	Picnic table in hexagon shape	90,000	16,200	106,200
16	Garden table 4ft x 4ft with 2 benches 4ft	87,300	15,714	103,014
17	Picnic area Hexagonal Shape with round table and dustbin	421,200	75,816	497,016
18	Picnic area complete with Plastic base (10ft x 10ft)	522,000	93,960	615,960
19	Plastic Planks	On Demand		
20	Kiosk 6ft x 6ft with sloping roof	333,000	59,940	392,940
	Kiosk 6ft x 6ft with canopy roof	383,000	68,940	451,940
21	Bus Stop 8ft x 12ft with 4 waiting benches	409,500	73,710	483,210
22	Check Post with sloping roof	209,250	37,665	246,915
	Check Post with canopy roof	213,750	38,475	252,225
23	Garden table 3ft x 3ft with 4 chairs	88,200	15,876	104,076
24	Dining set with 4 chairs	59,850	10,773	70,623
25	Dining set with 6 chairs	82,350	14,823	97,173
26	Easy chair	18,000	3,240	21,240
27	Chair with armrest	18,000	3,240	21,240
28	Rocking Chair	20,500	3,690	24,190
29	Two Seater chair	28,800	5,184	33,984
30	Chair	13,500	2,430	15,930
31	Trellis with 7' opening	105,750	19,035	124,785
32	Toilet with sanitary fittings	350,000	63,000	413,000
33	Planter	7,650	1,377	9,027
34	Planter	7,650	1,377	9,027
35	Ice Cream & Milk Crate holes on base and sides	On Demand		
	Ice Cream & Milk Crate solid base and sides	On Demand		
36	Muskoka Chair	42,750	7,695	50,445
37	Pool/ beach chair	29,250	5,265	34,515
38	Garden table 26" x 26" with 2 benches 13" x 26"	31,500	5,670	37,170
39	Table 22" x 48" with two benches 13" x 48"	56,250	10,125	66,375
40	School children Desk & Bench	On Demand		
41	School children Desk & Bench with Back	On Demand		
42	See Saw	42,750	7,695	50,445
43	Swing Chair	112,500	20,250	132,750
44	Dustbin 1.5ft x 3ft with plastic base	34,200	6,156	40,356
	Dustbin 1.75ft x 3.5ft with plastic base	40,500	7,290	47,790
45	Dustbin 1.5ft x 3ft with steel base	21,600	3,888	25,488
	Dustbin 1.75ft x 3.5ft with steel base	27,000	4,860	31,860
46	Garden bench 6ft long	30,150	5,427	35,577
47	Main gate per sq.ft.	On Demand		
48	Plain Plastic sheets	On Demand		
49	Two swings with plastic pillars	119,250	21,465	140,715
50	Baby Playset with 4ft slide	52,650	9,477	62,127
51	Baby Playset with 2 slide	356,850	64,233	421,083
52	RPC Manhole Cover & Frame 24" Dia Round Shape Black color	8,900	1,602	10,502
53	RPC Manhole Cover & Frame 24" x 24" Square Shape Black color	8,900	1,602	10,502
54	RPC Manhole Cover & Frame 18" x 18" Square Shape Black color	7,300	1,314	8,614
55	RPC Gully Grating (Light Duty) Cover & Frame 24" x 18" Rectangular Shape Black color	7,300	1,314	8,614
56	Steel Reinforced Plastic Composites Pallet (Dimensions: 1200 mm x 1000 mm x 155)	12,500	2,250	14,750
57	Poly-Al Corrugated Tuff Board	200/ sq ft		
58	RPC Corrugated Tuff Board	200/ sq ft		

Terms & Conditions:

- 100% advance on confirmation on of order in form of PO/DD in favor of company.
- Technical persons will be provided (If Required) by GER .
- Transportation. Off- Loading. Civil work (with material). labor etc will be borne by the purchaser.
- Delivery will be made within 120 working days after receiving advance payment.
- Prices are valid for 15 days.





GREEN EARTH
RECYCLING (PAKISTAN)



② Play Area

Product Introduction

Green Earth Recycling (Pakistan) has devised a high quality environment friendly and long lasting wood alternative by utilizing a winning combination of material and technology. **Green Plastic Wood** is composed of a unique blend of recycled polyethylene plastic such as shopping bags and plastic scraps. Strong and impact resistant with the beauty and finish of natural wood, it is maintenance-free, insect, termite, and water proof. In addition, it also resists rotting,



① Play Area



③ Play Area



④ Play Area



⑦ Monster Truck

splitting, and splintering. Not only does the product remove the menace of plastic bags from the solid waste mainstream, it also eliminates the use of wood thus conserving our already dwindling forest reserves.



⑤ Play Area



⑥ Play Area



⑧ Merry Go Round



⑩ Garden Table with Benches

Cost:

Green plastic wood is much cheaper when compared to the better quality wood products like cedar, shisham, deodar and maranty etc. It is a proven fact that after you spend your time & money treating and maintaining a product made of natural wood, a **Maintenance Free**

Green Plastic Wood product would cost you less than the wood product and still be more durable and have a life-lasting beauty with alluring colours.



⑨ Garden Bench 4 ft. With Arms



⑪ 6 ft. straight Bench



⑫ Garden Bench 4 ft. Long



⑭ Round Picnic Table



⑬ Classic Picnic Table



⑮ Hexagonal Picnic Table



⑯ Garden Table with Benches



19 Plastic Planks

Benefits:

- ◀ Maintenance Free
- ◀ Environment Friendly
- ◀ Slip Resistant
- ◀ Splinter Proof
- ◀ Strong and Durable
- ◀ 25 years Estimated Life



- ◀ Easy to Use
- ◀ Wood Grain Finish
- ◀ Does not Stain
- ◀ Termite Proof
- ◀ Salt-water Proof
- ◀ Safe for Children



17 Picnic Area



18 Picnic Area



20 Kiosk



21 Bus Stop

MAINTENANCE FREE

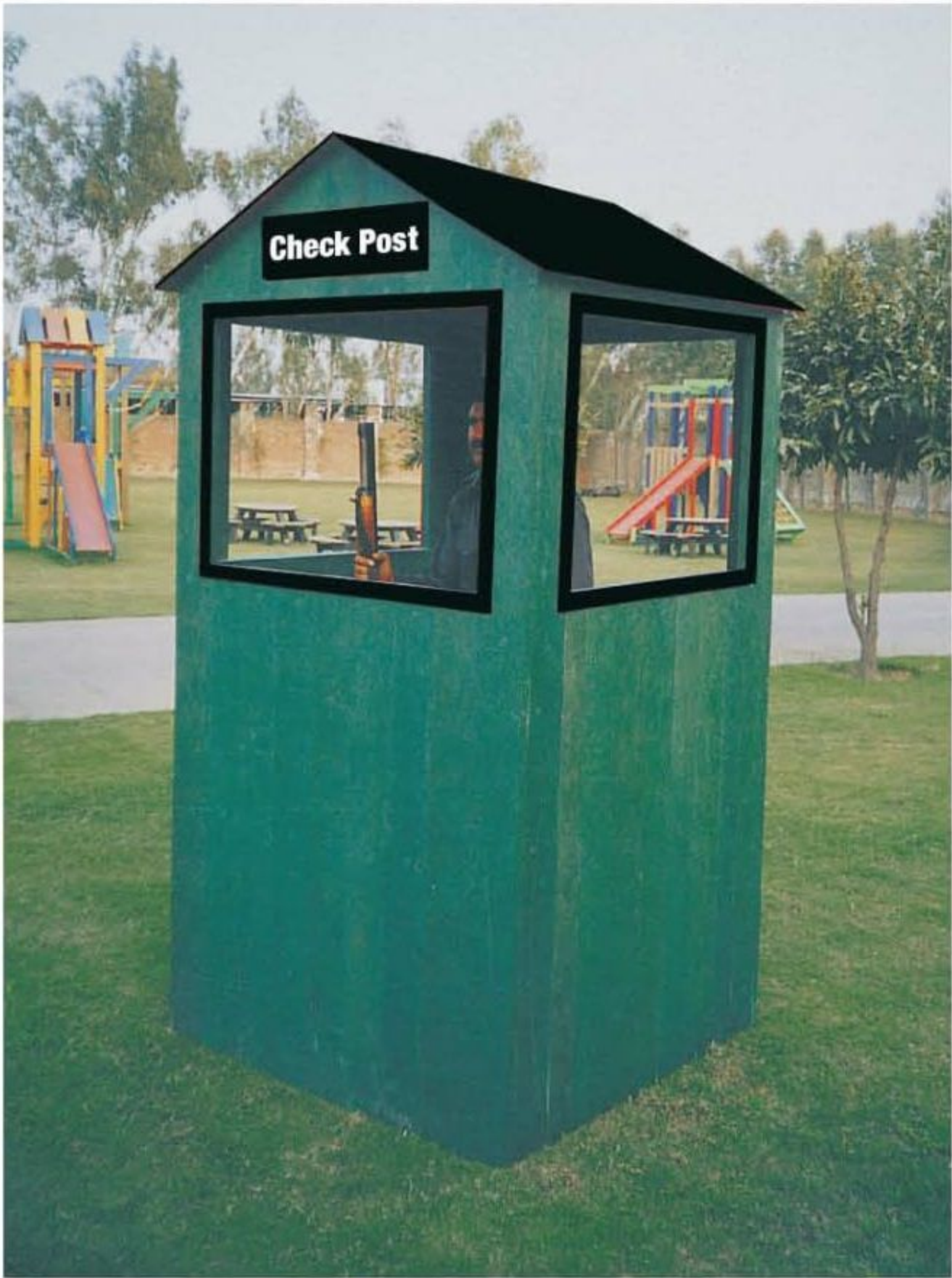
No painting, staining or treating is ever required.

BEAUTY TO THE CORE

25 years estimated life with lasting beauty.

A WISE INVESTMENT

Insect proof, water proof and resistant to rotting, splitting and splintering.



22 Check Post





②4 4 Chair Dining Table

Applications:

- Children Outdoor Play Parks
- Park Benches, Picnic Tables, Garbage Boxes and Planters
- Boardwalks and Handicap Walkways for beaches
- Picnic Areas
- Bus Stops
- Docks & Marinas



②3 Garden Table with Chairs



②5 6 Chair Dining Table



②6 Easy Chair



②8 Rocking Chair



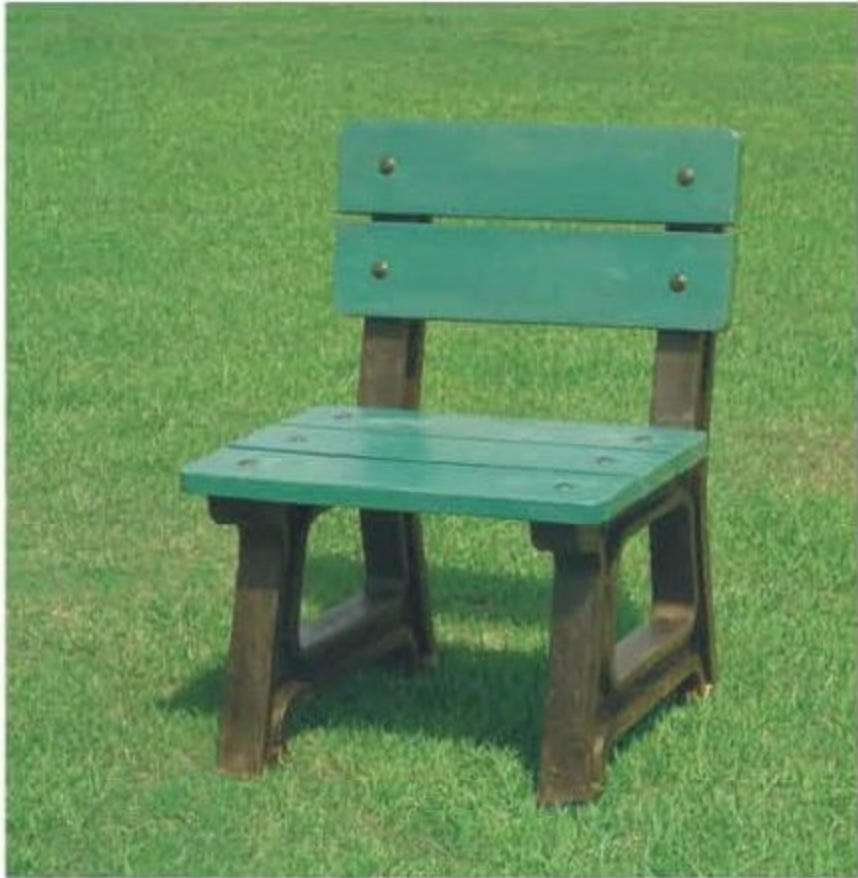
GREEN EARTH
RECYCLING (PAKISTAN)



②7 Chair with armrest



②9 2 Seater Chair



③0 2 ft. Chair



31 Trellis

32 Toilet



33 Planter



34 Planter



35 Plastic Crate



③7 Pool Chair



③6 Muskoka Chair



③8 Table with Benches



③9 Table with Benches



④0 School Children Desk & Bench



GREEN EARTH
RECYCLING (PAKISTAN)



④1 School Children Desk & Bench



④2 See Saw



④⑥ Garden Bench 6 ft. Long



④③ Swing Chair



④④ Dustbin



④⑤ Dustbin



④7 Main Gate

New Products

• Green Grid • Pipes • Granules



Detailed brochure Available



GREEN EARTH
RECYCLING (PAKISTAN)

- **Office:** Village Heyr, Bedian Raod, Lahore Pakistan. **Tel:** +92-423-5600165 - 8 **Fax:** +92-423-5600116
- Cell:** +92-300-8440-472 **Email:** earth@greenearthrecycling.com **URL:** www.greenearthrecycling.com
- **Mailing Address:** 208 - A, Street No. 5, Cavalry Ground, Lahore Cantt, Pakistan.



In stock

Royal Mystic Mist Fan

SKU: ROYAL MYSTIC MIST FAN-24"/COPPER-(BLACK)-0000001

★★★★★ 0 reviews

Rs.24,595.00

The **Mystic Mist Fan** is made for the hot afternoons which you want to spend outdoors. This **outdoor fan** cools you off with a spray of **misting water** in the Summer months. It is a **must-have** and a **perfect** addition to any **garden or terrace**. ...

Quantity:

Add To Cart





Haier HPU-48CEO3 4 Ton Floor Standing AC

Fixed or inverter: Fixed Frequency, Cooling Capacity(BTU): 8=48000, Indoor Type: Cabinet Type, Display: Yes, Refrigerant: R22, 4.0 Floor Standing, Cool Only

Rs375,000

- 1 +

BUY NOW

BUY ON INSTALLMENT

Availability: **In Stock**

SKU: 1551

Categories: Air Conditioners, FLOOR STANDING CABINET AC, Haier Floor Standing Cabinet AC

s/2023/02/Haier-2.0-Ton-Cabinet-Air-Conditioner-HPU24CE03-1.jpg



Haier HSU-18HFTCA 1.5 Ton T3 Thunder Series Split Inverter

The latest Haier HSU-18HFTCA 1.5 Ton T3 Thunder Series Split Inverter price in Pakistan is **175,999 - PKR** which was recently updated on August 2025.

[Haier Air Conditioners](#) (21 more items)

Basic specification is 1.5 Ton, 19000, Inverter, Wall Mounted,.

Price:

175,999 - PKR

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[Compare Air Conditioners](#)

SKU#:24356
Item Condition: **New**
Stock Info: **Available**
Warranty: 10 Years Compressor 1 Year Parts

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HP ScanJet Enterprise Flow 5000 S5 Scanner

The latest HP ScanJet Enterprise Flow 5000 S5 Scanner price in Pakistan is **209,999 - PKR** which was recently updated on August 2025.

[HP Scanners](#) (12 more items)

Basic specification is 2-line 16 character per line LCD display, Simplex button, Duplex button, Cancel button, Power button with a LED, Up button, Down button and Tool button, Up to 65ppm/130 ipm, USB, 24-bit,.

Price:

**209,999 -
PKR**

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[Compare Scanners](#)



HP Color LaserJet CP5225dn A3

The latest HP Color LaserJet CP5225dn A3 price in Pakistan is **429,999 - PKR** which was recently updated on August 2025.

[HP Laser Printers](#) (45 more items)

Print on a wide range of paper sizes with the HP CP5225DN A3 colour laser printer which can handle printing on a range paper sizes from small postcard sized paper up to A3. The HP CP5225DN can also print on a number of paper types including glossy and a maximum thickness of up to 220gsm.

Price:

**429,999 -
PKR**

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Commercial Mineral Water Filtration RO Plant 12000 GPD (2000 LPH) Ro System

~~Rs 1,500,000~~ **Rs 1,250,000**

12000 GPD (2000 LPH) Commercial Mineral Water Filtration RO Plant for Business !!!

The 12000 GPD (2000 LPH) Commercial Mineral Water Filtration RO Plant is a cutting-edge reverse osmosis system designed for high-capacity water purification. Ideal for businesses seeking to produce clean, safe, and mineral-enriched water, this system delivers unmatched efficiency and quality.

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<u>Description</u>	<u>Specification</u>
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Canon EOS 90D DSLR Camera Price & Specs

If you are a blogger for someone who just wants to make sure the high video quality this camera might just be what you are looking for. Canon 90d is a follow up having a new sensor and new video processing unit and much better audio focus but it does not hold up in today's camera market. The image quality of any camera model really matters. Therefore does vary. Canon 90d has a 32.5 megapixel sensor with the sharp pixels. Out in terms of resolution, it has the same ballpark as the 5D Mark IV. It does 11 fps with 28 raw buffers and this thing made it very respectful and very useful for fashion or sports photography. Video wise, it does 4K and would be an actual dream for the filmmakers.

Moreover this camera is designed exclusively for filmmakers. Although, it does not contain any cinema profiles. For cinematic work, this camera won't work. Canon is highly known for its colour profile and that's what people like about Canon. Anything you are just pumping out and don't want to have to bother with colour correction this camera is perfect.

The is available with quality features making it better among the whole series. The quality of the photos and videos of this camera is this phenomenal. So they still look extra short and extra crispy.

Specs

- Dual-pixel CMOS AF system
- 32.5 MP
- Wireless Connectivity
- 4K timelapse
- EOS iTR autofocus
- Electronic shutter focus
- 4K video recording
- 3.0" touchscreen
- Intuitive control over navigation

The Canon EOS 90D is a sleek DSLR also characterized by its high-resolution 32.5MP APS-C CMOS sensor. This updated sensor design achieves enhanced image clarity, resolution, and dynamic range, along with adept sensitivity to ISO 25600 and low noise to suit working in a variety of situations. Combined with advanced image processing, this sensor is also capable of outputting UHD 4K30p and Full HD 120p videos, as well as supporting continuous stills shooting rates up to 10 fps. When working with the optical viewfinder, an apt 45-point all cross-type AF system affords best performance in a range of lighting conditions for tracking moving subjects and working in low light, while the 5481-point Dual Pixel CMOS AF system benefits live-view shooting and movie recording by providing a smooth, natural focusing quality akin to the human eye.

8/9/24, 12:29 PM

Canon RF 100-500mm f/4.5-7.1 L IS USM Lens 4112C002 B&H Photo

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Canon RF 100-500mm f/4.5-7.1 L IS USM Lens

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Key Features

- RF-Mount Lens/Full-Frame Format
- One Super UD Element, Six UD Elements

- Aperture Range: f/4.5-7.1 to f/32-54
- Dual Nano USM AF System

[Show More](#)

Covering a variety of telephoto focal lengths, the **Canon RF 100-500mm f/4.5-7.1 L IS USM** spans a short- to super-telephoto range within a sleek and portable form factor. The modest maximum aperture enables a relatively portable design that is

[More Details](#)



Shandong Xjy Smoke-Free Biomedical Waste Incinerator for Hospital and Factory and Pet

US\$2,000.00 - 15,000.00

1 Set (MOQ)

Product Details

Customization:	Available
Condition:	New
Certification:	ISO, CE

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SPECIFICATIONS	SPECIFICATIONS	SPECIFICATIONS
Yaris 1.3 1.3 ATIV CVT PKR 5,739,000 Ex-Showroom Price (Karachi) Filer PKR 114,780 /- Non Filer PKR 344,340 /- SPECIFICATIONS		

Vehicle Details	
Manufacturer	Toyota
Model	Yaris Sedan
Version	ATIV CVT 1.3
Ex-Factory Price	PKR 5,719,000
Transportation Charges	
Freight Charges	PKR 65,000
With Holding Charges	
With Holding Tax Filer	PKR 115,680
With Holding Tax Non Filer	PKR 347,040
Ex-Showroom Price	
Payorder Price Filer	PKR 5,899,680
Payorder Price Non Filer	PKR 6,131,040
Punjab Govt. Charges	
Token Tax	PKR 11,799 (Non-Filer: PKR 12,262)
Income Tax Filer	PKR 2,500 (Non-Filer: PKR 7,500)
Registration Fee	PKR 117,994
Professional Tax	PKR 200
Registration Document Price	PKR 1,300
Price	
Total Price Filer	PKR 6,033,473

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ACE EV



Quotation/Invoice # 03/PW-IXL/2024 State Of The Art Latest Model: INTREPID XL 4 SEATER

#	Model	Description /Current Model	Qty	Rates	Amount										
03	Intrepid XL		1	2,750,000	2,750,000										
		<table><tr><td>Capacity</td><td>4 Seater</td></tr><tr><td>Battery</td><td>Lithium iron phosphate battery 51.2V 105Ah</td></tr><tr><td>Motor</td><td>High Power 5KW Motor</td></tr><tr><td>Controller</td><td>OEM</td></tr><tr><td>Speed & Range</td><td>40 KM/HR, 80 KMs</td></tr></table>				Capacity	4 Seater	Battery	Lithium iron phosphate battery 51.2V 105Ah	Motor	High Power 5KW Motor	Controller	OEM	Speed & Range	40 KM/HR, 80 KMs
		Capacity				4 Seater									
		Battery				Lithium iron phosphate battery 51.2V 105Ah									
		Motor				High Power 5KW Motor									
		Controller				OEM									
		Speed & Range				40 KM/HR, 80 KMs									
Total				2,750,000											
Sales Tax				495,000											
Grand Total				3,245,000											

Ahmad Group (Pvt) Ltd | 293-245, Sector-27, Korangi Industrial Area, Karachi
0302 2002006, 0300 2005000, 0343 2333444 | 021 35067373-4 | www.ahmadgroup.co | sales@ahmadgroup.co

ROUGH COST ESTIMATES

GENERAL ABSTRACT OF CIVIL WORKS COMPONENT

Sr.No.	Description	PC-I Cost
		Amount (PAK RS) in million
1	Construction of Parking Area	62.037
2	Construction of Pathway Areas	88.745
3	Construction of Boundary Walls	25.665
4	Construction of Bear House	36.385
5	Construction of Birds Aviary	106.408
6	Construction of Director Office Building	42.189
7	Construction of Giraffe Housing	79.958
8	Construction of Hippo Housing	69.617
9	Construction of Hyena Housing	39.082
10	Construction of Leopard Housing	43.345
11	Construction of Lion Housing	123.878
12	Construction of Main Entrance Gate	8.993
13	Construction of Tiger Housing	40.718
14	Construction of Public Rest Area	27.589
15	Construction of Puma Housing	39.033
16	Construction of Slaughter House	34.892
17	Construction of Staff Residences	157.961
18	Construction of Ungulate Housings (368X17=6256 SFT)	94.857
19	Construction of Vet Complex & Hatchery	79.515
20	Construction of Wolf Housing	40.968
21	Construction of Zoo Kitchen	13.461
22	Construction of Pheasant, Parrot & Peacock Cages	24.637
23	Construction of Monkey House	59.789
24	Construction of Store Rooms 3 No.s	17.046
25	Construction of Indoor Zoo	136.829
26	Construction of Cafe Area	41.825
27	Construction of Sprinkler System	21.580
28	Construction of Sewerage System	42.269
29	Construction of Crocodile Pond	24.580
30	Water Supply System	78.872
31	Renovation of Museum	12.880
32	Renovation of Auditorium	9.140
33	Construction of Fountain	21.650
34	Rehabilitation of Duck Pond	18.260
35	Provision of Small Structures	16.240
36	Provision of Mist System in Zoo	23.780
37	Renovation of Guest Houses 2 No.s	20.240
38	Dismantling of Existing Structures	37.110
	Total	1,862.023