

**Bangladesh Livestock Research Institute**  
**Savar, Dhaka -1341**

**Approved Core Research Projects with Budget of BLRI for 2017-18**

Sl. No.	Title	Principal Investigator(PI)	Approved Budget (lac taka)	Status	Remarks
<b>A. Division: Animal Production Research Division (6)</b>					
1.0	Strategic development of beef cattle and their qualities in Bangladesh	Dr. Mst. ParvinMostari SSO, APRD	10.00	On going	
2.0	Study of genetic variants of beta-casein in cattle genotypes of Bangladesh	Dr. Mst. ParvinMostari SSO, APRD	7.00	New	
3.0	Buffalo fattening in the Southern Delta of Bangladesh	Dr. BiplobKumer Roy, SSO, APRD	10.00	New	
4.0	Study on nutrient utilization and biometrical ranking of available roughages in Bangladesh	Dr. BiplobKumer Roy, SSO, APRD	4.00	On going	
5.0	Up gradation and Diversification of value addition technologies of livestock products & vegetable waste	Dr. BiplobKumer Roy, SSO, APRD	15.00	New	
<b>Total</b>			<b>46.00</b>		
<b>B. Animal Health Research Division</b>					
1.0	Phenotypic and genotypic profiling of antimicrobial resistance (AMR) in enteric bacterial communities in finisher livestock and poultry in Bangladesh.	Dr. Mohammed AbdusSamad, SSO,AHRD	10.00	On going	
2.0	Genetic Evolution of highly pathogenic avian influenza virus (HPAIV) for interspecies transmission and spillover in Bangladesh.	Dr. Mohammed AbdusSamad, SSO,AHRD	5.00	New	
3.0	Tick Borne Blood Protozoan Diseases of Farm based & Slaughter House Animal.	Dr. Md. Giasudin PSO & Head, AHRD	7.00	On going	
4.0	Bimolecular Characterization and diversity of the circulating Bacillus anthracis in Bangladesh.	Dr. Md. Giasudin PSO & Head, AHRD	9.00	On going	
<b>Total</b>			<b>31.00</b>		
<b>C. Biotechnology Division</b>					
1.0	Adaptation of ovum pick up (OPU) and somatic cell nuclear transfer (SCNT) technologies for cattle in Bangladesh.	Dr. Gautam Kumar Deb,SSO	5.50	On going	
2.0	Development of starter culture for Yogurt.	Dr. S.M. Jahangir Hossain	4.30		

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		PSO & Head			
3.0	Efficient utilization of livestock waste for biogas production.	Dr. S.M Amanulla SSO	6.10	On going	
4.0	Feeding n-3 and a-6 fatty acid sources for reducing enteric methane emission and increasing production in ruminants.	Dr. S. M. Amanullah SSO	4.90	On going	
5.0	Characterization of Munshigaj cattle	Dr. SM Jahangir Hossain PSO & Head	5.00	On going	
6.0	Genetic Improvement of Local Buffalo through Crossbreeding	Dr. SM Jahangir Hossain PSO & Head	8.00	On going	
7.0	Characterization and screening of different coat color variants' goat stock at BLRI	Dr. SM Jahangir Hossain PSO & Head	4.00	On going	
	<b>Total</b>		<b>37.80</b>		
<b>D.</b>	<b>Poultry Production Research Division</b>				
1.0	Conservation and Improvement of Native Chicken: Performance of seventh generation	Dr. ShakilaFaruque SSO,PPRD	6.00	On going	
2.0	Conservation and Improvement of Quail: Performance of seventh generation.	Dr. ShakilaFaruque SSO,PPRD	8.00	On going	
3.0	Collection, conservation and improvement of specialized fowl (Pigeon, Guinea fowl and Turkey) production at BLRI.	Dr. ShakilaFaruque SSO,PPRD	3.00	Follow up	
4.0	Conservation and improvement of native duck genotypes through selective breeding: Performance of 4 <sup>th</sup> generation and conservation of geese for meat production	Dr. Md. Sazedulkarim SSO,PPRD	8.00	On going	
5.0	Conservation and improvement of exotic germ plasms of chicken and development and meat type chicken of egg and meat type chicken	Md. Rakibul Hassan SSO,PPRD	7.00	On going	
6.0	Identification of poultry processing problems and development of a model processing plant for safe poultry meat production.	Dr. Md.SazedulKarim Sarker, SSO PPRD	10.00	On going	
7.0	Strategic development of feeding and management techniques to improve the performance of egg and meat type chicken and their qualities	Dr. Md. Sazedulkarim, SSO, PPDR & Dr. Md. Rakibul Hassan, SSO, PPDR	3.50	New	

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8.0	Prevalence Study and Molecular Characterization of Infectious Laryngotrachitis Virus in Selected Areas of Bangladesh.	Dr. Md. Giasuddin PSO & head AHRD	3.00	New	
<b>Total</b>			<b>48.50</b>		
<b>E.</b>	<b>Goat &amp; sheep Production Research Division (08)</b>				
1.0	Improvement of Black Bengal Goat in Rural Areas.	Dr. Md. Abdul Jalil PSO & Head GSPRD	6.00	On going	
2.0	Improvement of goat genetic resources (Black Bengal, Jamunapari and Boer goat) through selective breeding at BLRI	Dr. Md. Abdul Jalil PSO & Head GSPRD	6.00	New	
3.0	Development of the syntactic sheep Genotype utilizing Damara, Nagpuri and Coastal Sheep	Dr. Md. Abdul Jalil PSO & Head GSPRD	0.00	New	Budget will be released from sheep... project
4.0	Development of feeding standard of Bengal Sheep.	Dr. Md. Asaduzzaman PSO GSPRD	5.00	New	
5.0	Cultivation of different grasses to use as forage/silage for Goat and sheep production research farm in BLRI	Dr. Sadek Ahmed SSO, GSPRD	5.00	On going	
6.0	Study on Brucellosis of Goats and Sheep of Bangladesh.	Dr. Md. NuruzzamanMunsi, SSO, GSPRD	5.00	New	
7.0	Pregnancy diagnosis in small ruminants-sheep (Ovis Aries) and goats (Capra hircus)	Dr. Md. NuruzzamanMunsi, SSO, GSPRD	5.00	On going	
<b>Total</b>			<b>32.00</b>		
<b>F.</b>	<b>Division: Socioeconomics Division (01)</b>				
1.0	Study on an Economic Impact of Native chicken in some selected Areas of Bangladesh.	Dr. Md. Ershaduzzaman PSO, & Head	4.00	New	
<b>Total</b>			<b>4.00</b>		
<b>G.</b>	<b>Farming System Research Division (04)</b>				
1.0	Study on the comparative performance of turkey, guinea fowl and broiler in some selected areas of Bangladesh.	Md. Yousuf Ali SO, BLRI Regional Station, Shahjaadpur, Sirajgonj	6.00	On going	
2.0	Study on the hormonal profile in crossbred dairy cows in relation to repeat breeding at Baghabari milk	Md. Sirajul Islam, SSO, BLRI Regional Station,	7.00	On going	

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	shed areas	Shahjaadpur, Sirajgonj			
3.0	Conservation of farm animal genetic resources (FAnGR) at hilly region at Naikhoncari	Md. AsadulAlam SSO, Naikhoncari	6.00	On going	
4.0	Establishment of Mastitis controlled Dairy farms at Shahjadpur milk shed area, Sirajganj.	Dr. Md. Ershaduzzaman PSO, SRD	5.00	New	
5.0	Sero-surveillance of circulating of PPR Virus and its Phylogenetic analysis in different areas of Bangladesh.	Dr. Md. Ershaduzzaman PSO, SRD	15.00	New	
<b>Total</b>			<b>39.00</b>		
<b>H.</b>	<b>Training Planning and Technology Testing Division (02)</b>				
1.0	Field testing of BLRI Feed Master mobile application in different locations of Bangladesh.	Dr. Nasrin sultana PSO & Head TPTTD	8.00	New	
2.0	Impact of farmers training on adoption of BLRI developed technology	Dr. Zillur Rahman SSO, TPTTD	5.00	On going	
<b>Total</b>			<b>13.00</b>		
<b>Grand total of Core research fund</b>			<b>251.30</b>		
<b>Annual Research Review Workshop</b>			<b>30.00</b>		
<b>Innovation</b>			<b>10.00</b>		
<b>Reserve</b>			<b>8.70</b>		
<b>Grand Total</b>			<b>300.00</b>		

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**Revised Proposed ADP Research Project for 2017-18**

Sl. No.	Title	Principal Investigator(PI)	Budget 2017-18 (lac taka)	Grade	Committee's Comments & Suggestions	Remarks
<b>Conservation and improvement of Native Sheep through community based and commercial farming (component A, 2<sup>nd</sup> Phase)</b>						
1	Community based sheep production in hilly area region at Naikhoncari	Dr. Md. Azharul Islam Talukder, CSO, GSPRD	4.00	A	1. No comments	
2	Development of blended yarns and fabrics from jute, cotton and native sheep wool	Dr. Md. Ershaduzzaman PSO, & Head Socioeconomic R. D.	2.00	A <sup>+</sup>	1. Make a review those who have contribution in formulation of the project	
3	A pilot project on to study of semen borne pathogen in Australian sheep at BLRI	Dr. Md. Ershaduzzaman PSO, SRD	8.00	A	1. Suggested to investigate only the presence of Anaplsma, Brucella, Thileria, Babesia in semen of Australian/local sheep	
4	Development of Peste des Petits Ruminants (PPR) free zone in selected areas of Bangladesh to meet global control strategy.	Dr. Md Giasudin PSO & Head, AHRD	9.00	A <sup>+</sup>	1. Monitoring properly	
5	Preliminary study on farm nutrient recycling in BLRI foreign sheep farm	Jobaida Shovna Khanam, SO, APRD	4.00	A	1. Title has to changed and use reuse term instead of recycling. 2. Budget as it were. 3. Preliminary word from title will be deleted.	
<b>Total Budget</b>			<b>27.00</b>			
<b>Scavenging poultry Conservation and Improvement project</b>						
1.	Genetic evaluation of performance potentials and molecular characterization of BLRI improved indigenous chicken varieties; sub title: molecular characterization of BLRI improved indigenous chicken varieties	Dr. Shakila Faruque SSO,PPRD	6.70	A <sup>+</sup>	1. Molecular study should be done critically 2. Compare molecular data with other poultry breed from database 3. Thorough knowledge must be in research protocol	

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	using microsatellite markers.					
<b>Total Budget</b>			<b>6.70</b>			
<b>Fodder Research and Development Project</b>						
1	Development of salt tolerant Napier cultivar for coastal area through genetic engineering	Dr. N.R. Sarker, PSO & head, PPRD	14.25	A <sup>+</sup>	1. Protocol should be revised and adapted properly	
2	Health risk assessment of arsenic in animal origin food chain through feed and fodders pathway	Dr. N.R. Sarker, PSO & head, PPRD	7.30	A	1. The project title will be as Risk assessment of heavy metals in animal origin food chain through feeds and fodder pathways 2. Budget fixed at 7 lakh	
3	Development of fodder production model in coastal and river basin regions of Bangladesh	Dr. N.R. Sarker, PSO & head, PPRD	5.10	A	1. Budget as it were	
4	Study on production and supply chain development of Moringa feed (mr) in different regions of Bangladesh	Dr. Nasrin sultana PSO & Head TPTTD	10.03	A	1. Must re-check the activity of other project of other organization to run the project wisely 2. Suitable one fodder has to be fixed instead of two or three 3. Economic feasibility has to be studied	
5	Varietal demonstration of HYV fodder and development in Haor areas of Bangladesh.	Dr. N.R. Sarker, PSO & head, PPRD	9.45	A	1. Title is reformed as mentioned here Demonstration of BLRI developed HYV fodder in Haor areas of Bangladesh 2. Budget fixed at 7 lakh.	
6	Development of cost effective crop residues based complete feeds for Ruminants (4 <sup>th</sup> year)	Dr. N.R. Sarker, PSO & head, PPRD	12.70	A	1. Budget will be 10 lakh	
7	Collection conservation multiplication of high yielding fodder and evaluation their production performances under different climatic condition	Dr. N.R. Sarker, PSO & head, PPRD	26.00	A	1. Budget fixed at 24 lakh	
<b>Total Budget</b>			<b>84.83</b>			
<b>FMD &amp; PPR research project in Bangladesh</b>						
1	A study on Economic losses due to Food and Mouth Disease outbreak in	Dr. Md. Giasuddin PSO, AHRD	4.00	A	1. Specify location of study areas 2. Rewrite outcome of the research	

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	cattle and Buffalo in some affected areas of Bangladesh				project very clearly	
2	Development of FMD free zone in Bangladesh as per OIE guidelines	Dr. Md Giasudin PSO & Head, AHRD	17.00	A <sup>+</sup>	<ol style="list-style-type: none"> <li>1. Marketing of BLRI brand FMD vaccine</li> <li>2. FMD is endemic in cattle, buffalo and goat in Bangladesh</li> <li>3. It requires to developed preliminary strategies against FMD</li> </ol>	
<b>Total Budget</b>			<b>21.00</b>			
<b>Dairy Research &amp; Development Project</b>						
1	Establishment of a Nucleus breeding Herd (NBH) of different graded of dairy cattle in the BLRI regional station Baghabari	Dr. Md. Azharul Islam Talukder CSO, GSPRD	10.45	A	4. Nucleus herd should be maintained properly. Continuous culling and selection should be done.	
2	Epidemiology of different dairy cattle diseases and development of treatment control and prevention strategies in selected dairy areas and farms of Baghabari	Dr. Md. Azharul Islam Talukder, CSO, GSPRD	10.00	A	<ol style="list-style-type: none"> <li>1. Suggested to change theme of the project</li> <li>2. The project should be connected an infectious and metabolic diseases of milking cattle at Sirajgong district</li> </ol>	
3	Identification of existing feed resources and feeding system of dairy cattle in Baghabarighat area	Dr. Md. Azharul Islam Talukder CSO, GSPRD	10.00	A	<ol style="list-style-type: none"> <li>1. Combined two project 3 &amp; 4</li> <li>2. Budget 12 lakh</li> </ol>	
4	Assessment of the quality of available feed resources in the Baghabari region of Bangladesh	Dr. Md. Azharul Islam Talukder CSO, GSPRD	5.00	A	<ol style="list-style-type: none"> <li>1. Combined two project 3 &amp; 4</li> <li>2. Budget 12 lakh</li> </ol>	
<b>Total Budget</b>			<b>35.45</b>			