

在巴加努爾區建立羊毛清洗和加工綜合體的項目

PROJECT TO ESTABLISH A WOOL WASHING AND
PROCESSING COMPLEX IN BAGANUR DISTRICT

БАГАНУУР ДҮҮРЭГТ НООС УГААХ,
БОЛОВСРУУЛАХ ЦОГЦОЛБОР ҮЙЛДВЭР
БАЙГУУЛАХ ТӨСӨЛ





项目名称：PROJECT NAME:

在巴加努爾區建立羊毛清洗和加工綜合體的項目

PROJECT TO ESTABLISH A WOOL WASHING AND PROCESSING
COMPLEX IN BAGANUR DISTRICT

在巴嘎努尔区建立羊毛清洗加工综合体项目 PROJECT TO ESTABLISH A
WOOL WASHING AND PROCESSING COMPLEX IN BAGANUUR DISTRICT

项目实施机构 PROJECT IMPLEMENTING ORGANIZATION:

“BAGANUUR INVESTMENT GROUP” 有限责任公司 / LLC

项目目标：PROJECT OBJECTIVE:

本项目的核心目标是在巴嘎努尔区建立羊毛加工厂，提升区域畜牧业原材料附加值，实现进口替代，发展出口导向型加工业，促进地方经济多元化增长，创造就业岗位，并营造引入先进技术的生态安全、可持续生产环境。 The fundamental objective of this project is to establish a wool processing plant in Baganuur District to increase the added value of regional livestock raw materials, substitute imports, develop export-oriented processing industry, diversify and grow the local economy, create employment, and create an ecologically safe and sustainable production environment incorporating advanced technology.

具体内容如下：**Specifically:**

目标一：建设主要工业厂房 **OBJECTIVE 1: CONSTRUCT MAIN
FACTORY BUILDINGS**

总费用：8,852,800,000₮ **Total Cost: MNT 8,852,800,000**

- 主要清洗及分级车间厂房 Main washing and grading factory building
- 管理办公楼 Management office building

- 原料及成品羊毛仓库 Raw and processed wool storage
- 辅助用房及配套设施 Auxiliary premises and installations

目标二：安装技术设备 OBJECTIVE 2: INSTALL TECHNOLOGY AND EQUIPMENT

总费用：701,100,000₮ Total Cost: MNT 701,100,000

- 自动清洗生产线及烘干机 Automatic washing line and dryer
- 羊毛分级机及筛分机 Wool grader and screen
- 打包机及压缩系统 Baling machine and pressing system
- 实验室检测设备 Laboratory testing equipment
- 电气及机械维修工具 Electrical and mechanical repair tools

目标三：建设基础设施及安保设施 OBJECTIVE 3: CONSTRUCT INFRASTRUCTURE AND SECURITY

总费用：1,576,063,490₮ Total Cost: MNT 1,576,063,490

- **基础设施投资：Infrastructure investment: 1,363,423,490 ₮**
 - 输电线路及变电站 Power transmission line and substation
- **综合体围栏：Complex fence: 212,640,000 ₮**
 - 工厂安保围栏及大门 Factory perimeter security fence and gate

目标四：建立厂内物流及运营系统 OBJECTIVE 4: ESTABLISH INTERNAL LOGISTICS AND OPERATING SYSTEM

总费用：265,000,000₮ Total Cost: MNT 265,000,000

- 用于原材料和成品搬运的厂内运输设备（手推车、拖车） Internal transport equipment for raw materials and finished products (trolleys, trailers)
- 仓库管理系统（WMS）及货物流动监控程序 Warehouse Management System (WMS) and inventory movement control software
- 原材料接收及成品装车专用区域和站台 Dedicated area and platform for receiving raw materials and loading finished products



目标五：成功启动并运营项目 **OBJECTIVE 5: SUCCESSFULLY LAUNCH AND OPERATE THE PROJECT**

总费用：302,000,000₮ **Total Cost: MNT 302,000,000**

- 启动资金： **Startup capital:** 302,000,000 ₮
 - 初期原材料采购 Initial raw material procurement
 - 前3个月员工薪酬及奖励 Employee salaries and bonuses for the first 3 months
 - 设备安装及调试费用 Equipment installation and calibration costs
 - 启动运营所需政府特别许可证及认证费用 Costs for obtaining government special permits and certificates required to commence operations

所需总投资：11,696,963,490₮ **TOTAL INVESTMENT REQUIRED: MNT 11,696,963,490**

行业基础条件： SECTOR BASELINE CONDITIONS:

1. 国家及地方生产条件 1. National and Local Production Conditions

• 蒙古国以传统畜牧业享誉世界，年存栏牲畜达5,000万至6,000万头。其中，羊毛是国内及出口的主要原材料。 Mongolia is world-renowned for its traditional animal husbandry, with an annual livestock count of 50–60 million head. Sheep wool is the primary raw material for both domestic use and export.

• 毛加工行业在国家层面发展相对滞后，大多数羊毛清洗和加工作业仍处于小规模、牧场级别。 The wool processing sector is relatively underdeveloped at the national level, with most wool washing and processing activities conducted at small, pasture-level scale.

• 国内需求：洗净毛、毛纱及毛织物的需求持续增长。该行业具备满足国内纺织品生产、手工艺及服装制造业原材料需求的潜力。 Domestic demand: Demand for washed wool, woolen yarn, and fabric continues to grow steadily. This

sector has the potential to meet the raw material needs of the domestic textile manufacturing, handicraft, and clothing production industries.

2. 巴嘎努尔区特点 2. Characteristics of Baganuur District

- 地理位置：邻近乌兰巴托市，且与基础设施相连，便于原材料供应和成品出口。 Location: Proximity to Ulaanbaatar city and connection to infrastructure facilitate raw material supply and finished product export.
- 基础设施：道路、电力、饮用水、供暖均具备条件，未来在工业规模的升级和扩建方面也有支撑。 Infrastructure: Road, electricity, drinking water, and heating supply are available. Future upgrading and expansion at industrial scale is also supported.
- 畜牧业资源：巴嘎努尔及周边省份地理位置相近，便于羊毛供应，运输成本较低。 Livestock resources: Geographical proximity of Baganuur and nearby provinces for wool supply results in low transportation costs.

3. 原材料基础 3. Raw Material Base

- 研究表明，蒙古国每年可采集5,000至6,000吨羊毛。 Research indicates that 5,000 to 6,000 tons of sheep wool can be collected in Mongolia annually.
- 羊毛质量：放牧牲畜的羊毛以中等和粗支（coarse wool）为主，偶有细支羊毛（fine wool）。 Wool quality: Wool from pasture-raised livestock is predominantly medium and coarse wool, with fine wool occasionally available.
- 行业弱点：羊毛质量因标准不同而存在差异，清洗工序耗时耗资较多。

Sector weakness: Wool quality varies depending on standards, requires significant time and financial resources.

项目立项依据 **PROJECT RATIONALE**

1. 稳定的原材料基础 1. Stable Raw Material Base

•说明：蒙古国是传统畜牧业国家，年存栏牲畜达5,000万至6,000万头，这为羊毛的充足储量提供了保障。 Description: Mongolia is a traditional livestock country with an annual count of 50–60 million head of livestock, which guarantees an adequate supply of sheep wool.

•就巴嘎努尔而言：区内及周边省份均可供应羊毛，运输成本低，原材料可及性高。 For Baganuur: Wool can be supplied from the district and surrounding provinces, resulting in low transportation costs and high raw material accessibility.

•经济意义：稳定的供应是保障工厂持续、盈利运营的基础。 Economic significance: Stable supply is the foundation for continuous and profitable factory operations.

•社会意义：牧民获得稳定收入，有助于支持当地就业。 Social significance: Herders gain stable income, supporting local employment.

→ 结论：原材料充足稳定，可就近供应，为工厂盈利运营提供保障。 → Conclusion: Raw materials are sufficient, stable, and available from nearby sources, guaranteeing the factory's profitable operation.

2. 市场需求与机遇 2. Market Demand and Opportunities

•国内市场：蒙古国纺织业、手工艺及服装制造业对羊毛和毛纱有持续需求。 Domestic market: Mongolia's textile, handicraft, and clothing manufacturing sectors have consistent demand for wool. 乌兰巴托市及地方中小型企业数量众多。

and woolen yarn. There are numerous small and medium enterprises in Ulaanbaatar and regional areas.

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国际市场：亚洲和欧洲国家对天然产品的需求持续增长。蒙古国羊毛质量上乘、天然无污染，具有出口竞争优势。 Foreign market: Demand for natural products is growing in Asian and European countries. Mongolian wool is of high quality and natural origin, providing a competitive advantage for export.

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经济意义：市场明确，有助于保障产品销售和利润稳定。 Economic significance: With a clear market, product sales and stable profitability are well supported.

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风险降低：向多个市场供货的能力可降低过度依赖单一市场的风险。 Risk reduction: The ability to supply multiple markets reduces the risk of dependence on a single market.

结论：市场需求和出口机遇是工厂稳定运营的核心基础，保障了项目的经济成功。 Conclusion: Market demand and export opportunities are the key foundation for the factory's stable operations, guaranteeing the project's economic success.

3. 地理位置及基础设施优势 3. Location and Infrastructure Advantages

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地理位置：巴嘎努尔区紧邻首都，便于原材料运输和产品销售。 Location: Baganuur District is close to the capital, facilitating raw material transportation and product sales.

•

基础设施：道路、电力、饮用水、供暖等条件具备，可满足工厂建设需求。 Infrastructure: Road, electricity, drinking water, and heating supply are ready for factory establishment.

•

人力资源：邻近乌兰巴托市，便于招募专业技术人才。 Human resources: Proximity to Ulaanbaatar city makes it easier to find professional workers.

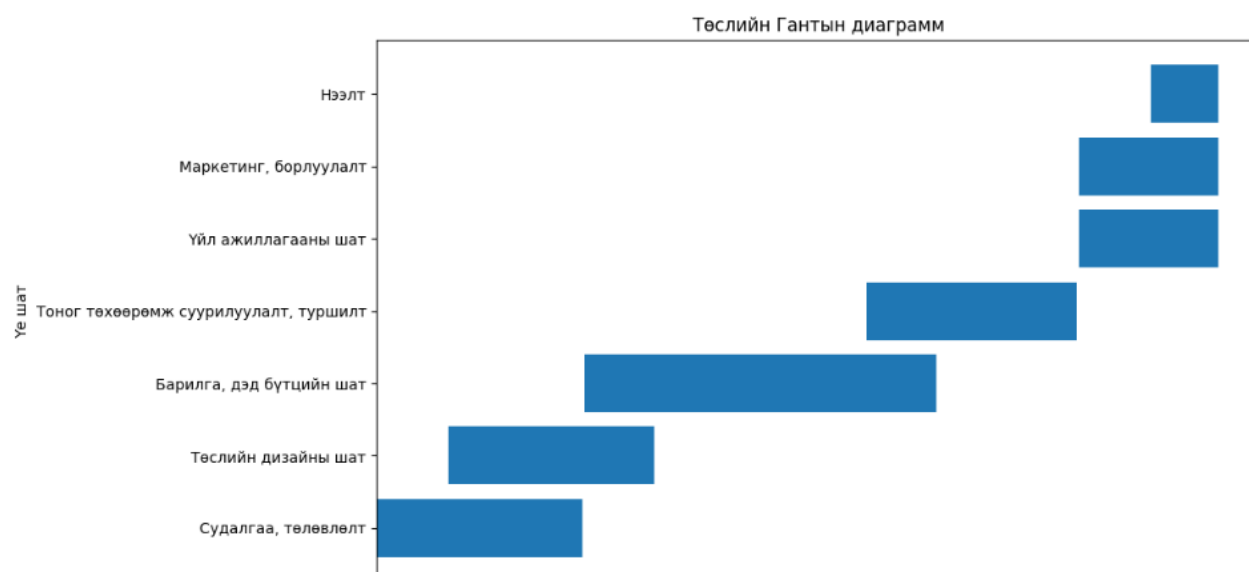
- 经济意义：基础设施完善，可降低运输成本，节约生产费用。

Economic significance: Developed infrastructure reduces transportation costs and saves production expenses.

项目实施阶段 PROJECT IMPLEMENTATION PHASES

No	阶段 / Phase	时间 / Timeline	主要活动 / Key Activities
1	调研与规划 Research and Planning	2025.12 – 2026.02	原材料储量、质量及市场调研；技术设备选型；融资来源调研 Raw material reserve, quality and market research; technology and equipment selection; financial source research
2	项目设计阶段 Project Design Phase	2026.01 – 2026.03	确定工厂选址和用地；编制规划及平面图；确定设备类型和产能；制定人力资源计划 Confirm factory location and site; develop plans and layout drawings; determine equipment types and capacity; prepare human resource plan
3	建设及基础设施阶段 Construction and Infrastructure Phase	2026.03 – 2026.07	建设厂房设施；安装电力、供水、供暖及污水系统；满足安全生产和劳动标准 Construct factory facilities; install electricity, water, heating, and sewage systems; meet safety and labor standards
4	设备安装及测试阶段 Equipment Installation and Testing	2026.07 – 2026.09	安装羊毛清洗、烘干、分拣及加工设备；测试自动化及安全操作；小规模试生产 Install wool washing, drying, sorting, and processing equipment; test automation and safety operations; small-scale test production
5	运营阶段	2026.10 –	定期加工原材料；生产、储存及分发产品；监测并提升运营效率

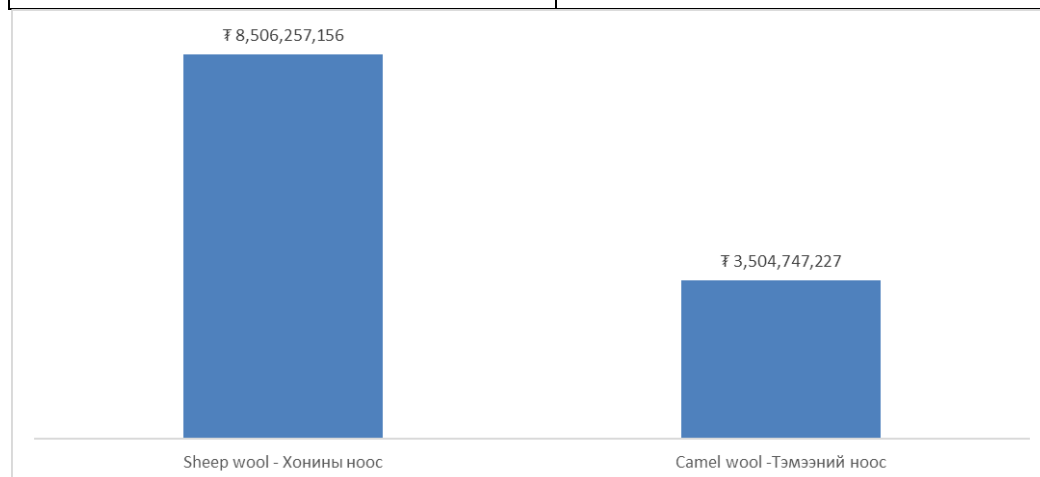
№	阶段 / Phase	时间 / Timeline	主要活动 / Key Activities
	Operations Phase	2026.11	Regularly process raw materials; produce, store, and distribute products; monitor and improve operational efficiency
6	市场营销及销售阶段 Marketing and Sales	2026.10 – 2026.11	制定市场推广和销售策略；与买家及分销商签订合同；在开业期间启动销售 Develop market promotion and sales strategy; conclude agreements with buyers and distributors; launch sales during opening period
7	正式开业 Grand Opening	2026.11	工厂正式开业；技术及产品展示；启动国内及出口销售 Official factory opening; technology and product showcase; commence domestic and export sales

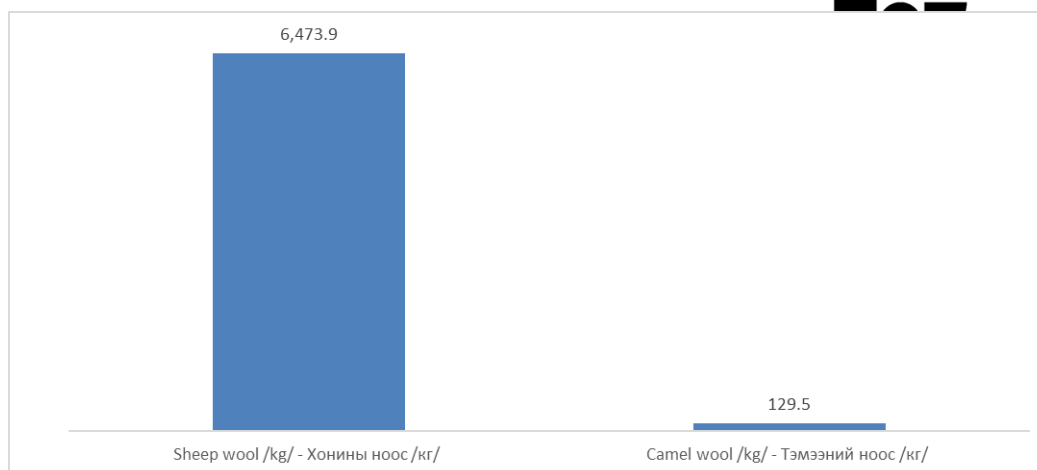


以2,240万元人民币、320万美元,

即1,160亿图格里克的启动投资落实融资后，在60个月内共计清洗加工6,600吨绵羊及骆驼毛，实现460亿图格里克收入，支出270亿图格里克运营成本，缴纳66亿图格里克税款，净利润达130亿图格里克。在此期间，将以现金方式从牧民处采购价值22亿图格里克的羊毛。 Upon securing startup investment of CNY 22.4 million, USD 3.2 million, or MNT 11.6 billion, over 60 months a total of 6,600 tons of sheep and camel wool will be washed and processed, generating MNT 46 billion in revenue, incurring MNT 27 billion in operating costs, paying MNT 6.6 billion in taxes, and achieving a net profit of MNT 13 billion. During this period, wool worth MNT 2.2 billion will be purchased in cash from herders.

利润 / Profit	13,116,351,692.7₮
税款 / Tax	6,667,930,459.8₮
收入 / Income	46,895,022,445.1₮
成本 / Cost	27,956,126,031.7₮





项目启动48个月后将收回启动投资。 The startup investment will be recovered 48 months after the project commences operations.

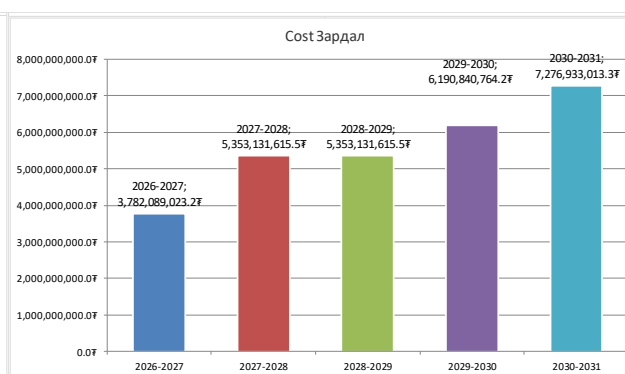
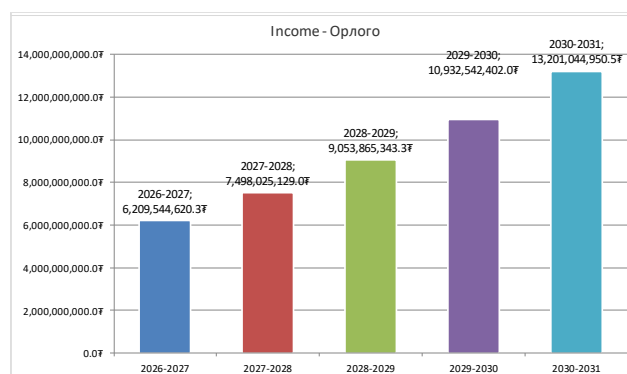
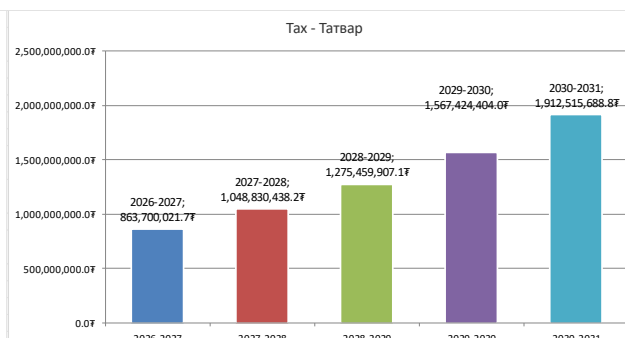
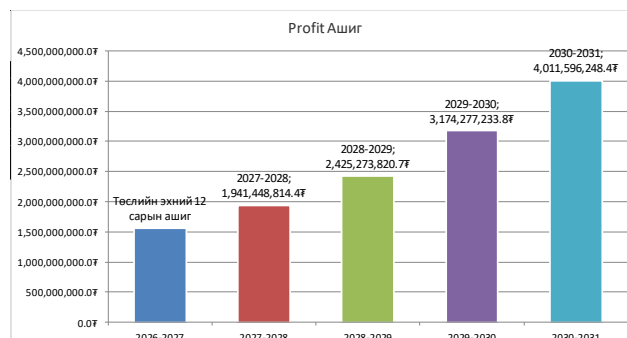
2026-2031 各年度利润 / Years of Profit		2026-2031 各年度税款 / Years' Taxes	
2026-2027	1,563,755,575.3₮	2026-2027	863,700,021.7₮
2027-2028	1,941,448,814.4₮	2027-2028	1,048,830,438.2₮
2028-2029	2,425,273,820.7₮	2028-2029	1,275,459,907.1₮
2029-2030	3,174,277,233.8₮	2029-2030	1,567,424,404.0₮
2030-2031	4,011,596,248.4₮	2030-2031	1,912,515,688.8₮
合计 / Amount	13,116,351,692.7₮	合计 / Amount	6,667,930,459.8₮
60个月平均利润 / Average Monthly Profit (60 months)	218,605,861.5₮		
日均 利润 / Average Daily Profit	7,286,862.1₮		

2026-2031 各年度收入 / Years' Income		2026-2031 各年度费用 / Years' Expenses	
2026-2027	6,209,544,620.3₮	2026-2027	3,782,089,023.2₮
2027-2028	7,498,025,129.0₮	2027-2028	5,353,131,615.5₮
2028-2029	9,053,865,343.3₮	2028-2029	5,353,131,615.5₮
2029-2030	10,932,542,402.0₮	2029-2030	6,190,840,764.2₮

羊毛清洗加工厂 / Wool Washing and, Processing Plant Establishment Project



2030-2031	13,201,044,950.5₮	2030-2031	7,276,933,013.3₮
合计 / Amount	46,895,022,445.1₮	合计 / Amount	27,956,126,031.7₮

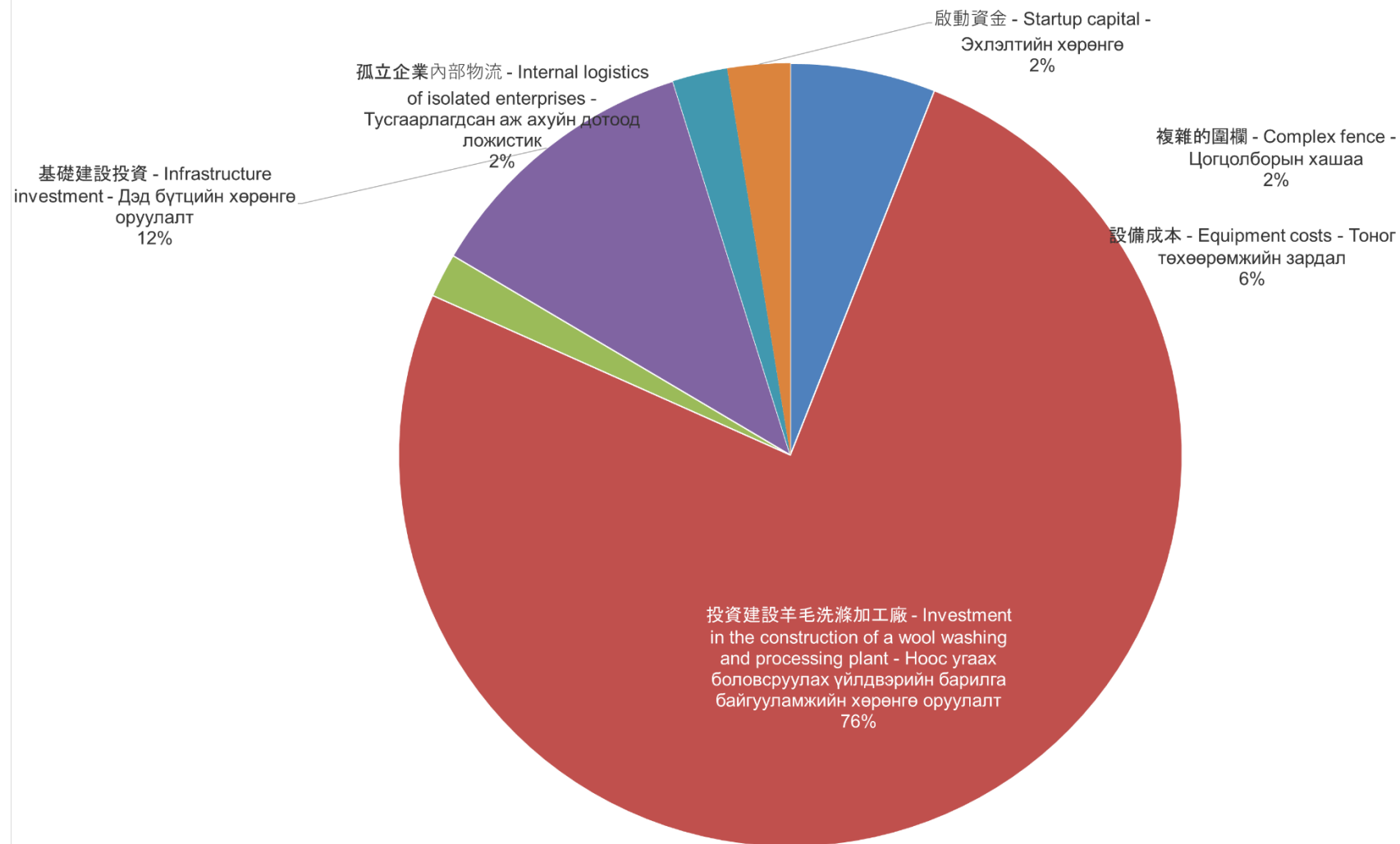


投資成本計算 - INVESTMENT COST CALCULATION

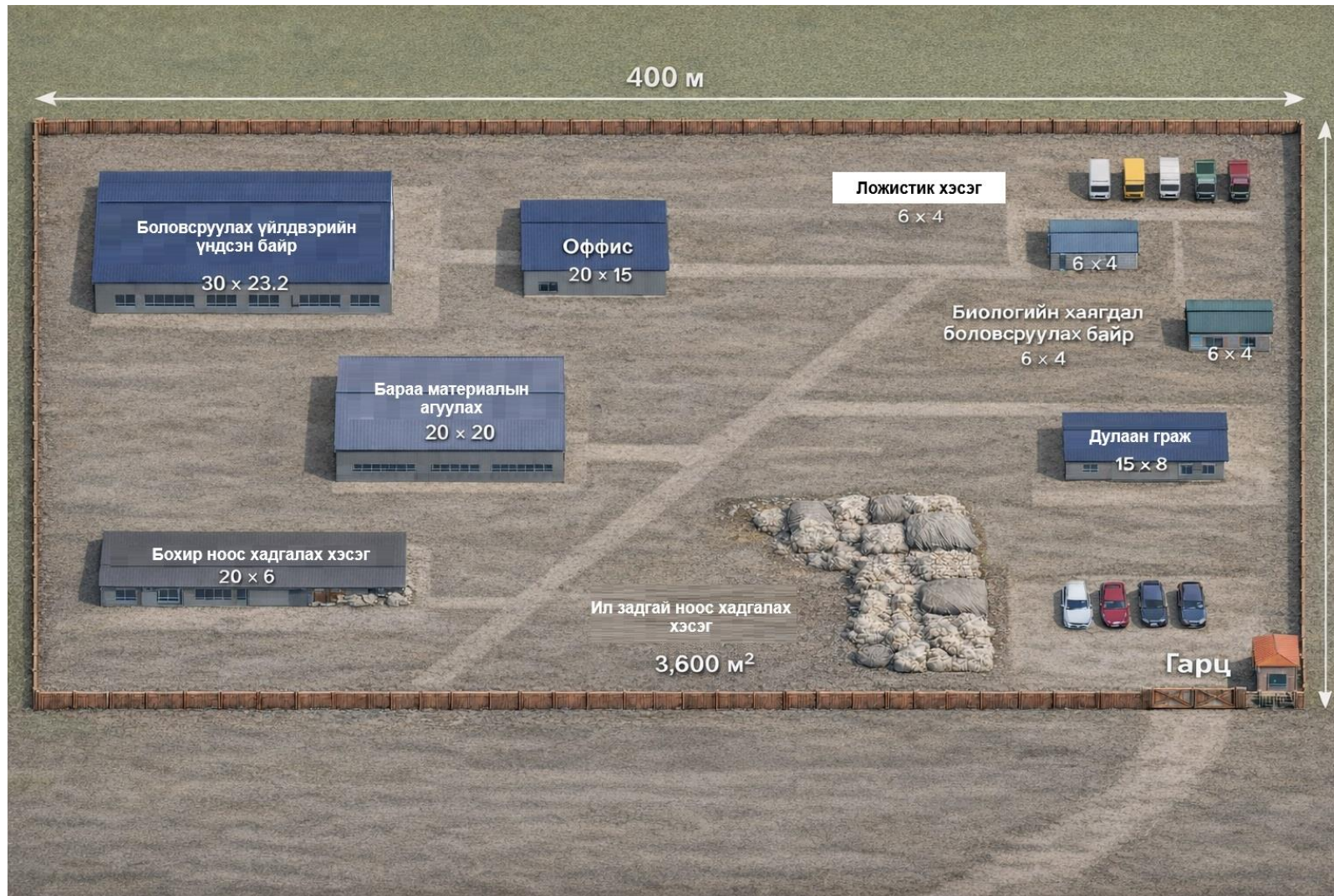
	元 - Yuan	美元 - USD	泰格魯格 - Tegrug
設備成本 - Equipment costs	¥1,348,269	\$194,750.0	701,100,000 ₮
投資建設羊毛洗滌加工廠 - Investment in the construction of a wool washing and processing plant	¥17,024,615	\$2,459,111.1	8,852,800,000 ₮
複雜的圍欄 - Complex fence	¥408,923	\$59,066.7	212,640,000 ₮
基礎建設投資 - Infrastructure investment	¥2,621,968	\$378,728.7	1,363,423,490 ₮
孤立企業內部物流 - Internal logistics of isolated enterprises	¥509,615	\$73,611.1	265,000,000 ₮
啟動資金 - Startup capital	¥580,769	\$83,888.9	302,000,000 ₮
所需總投資 - TOTAL INVESTMENT REQUIRED	¥22,494,161	\$3,249,156.5	11,696,963,490 ₮



投資成本計算 - INVESTMENT COST CALCULATION - ХӨРӨНГӨ ОРУУЛАЛТЫН ЗАРДЛЫН ТООЦОО



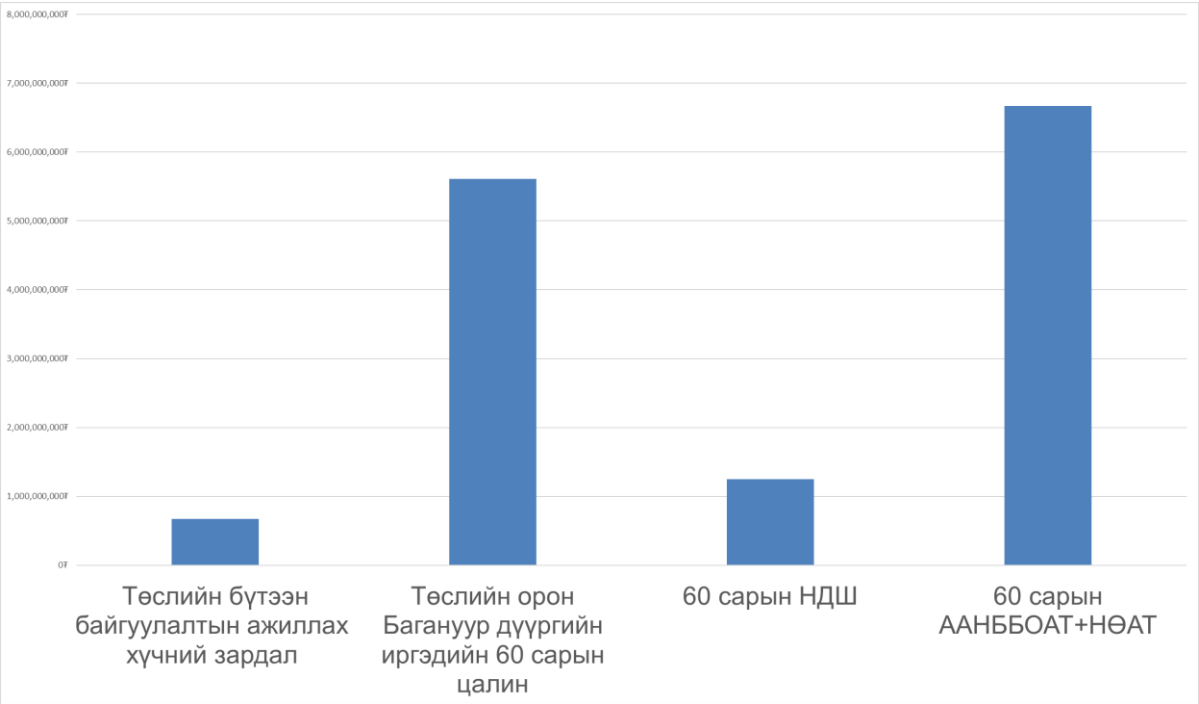
项目实施地点 PROJECT IMPLEMENTATION LOCATION





对巴嘎努尔区的意义 **Significance for Baganuur District**

项目建设劳动力费用 Project Construction Labor Cost	670,137,950₮
巴嘎努尔区市民60个月薪酬（项目用工） 60-Month Salary of Baganuur District Citizens Employed by the Project	₮ 5,612,867,692
60个月社会保险费 60-Month Social Insurance Contributions	₮ 1,252,647,760
60个月企业所得税+增值税 60-Month Corporate Income Tax + VAT	₮ 6,667,930,460
合计 / Amount	₮ 14,203,583,862



对东部三省的意义 **Significance for the Eastern 3 Provinces**

2021年羊毛采集量统计 2021 Wool Procurement Statistics



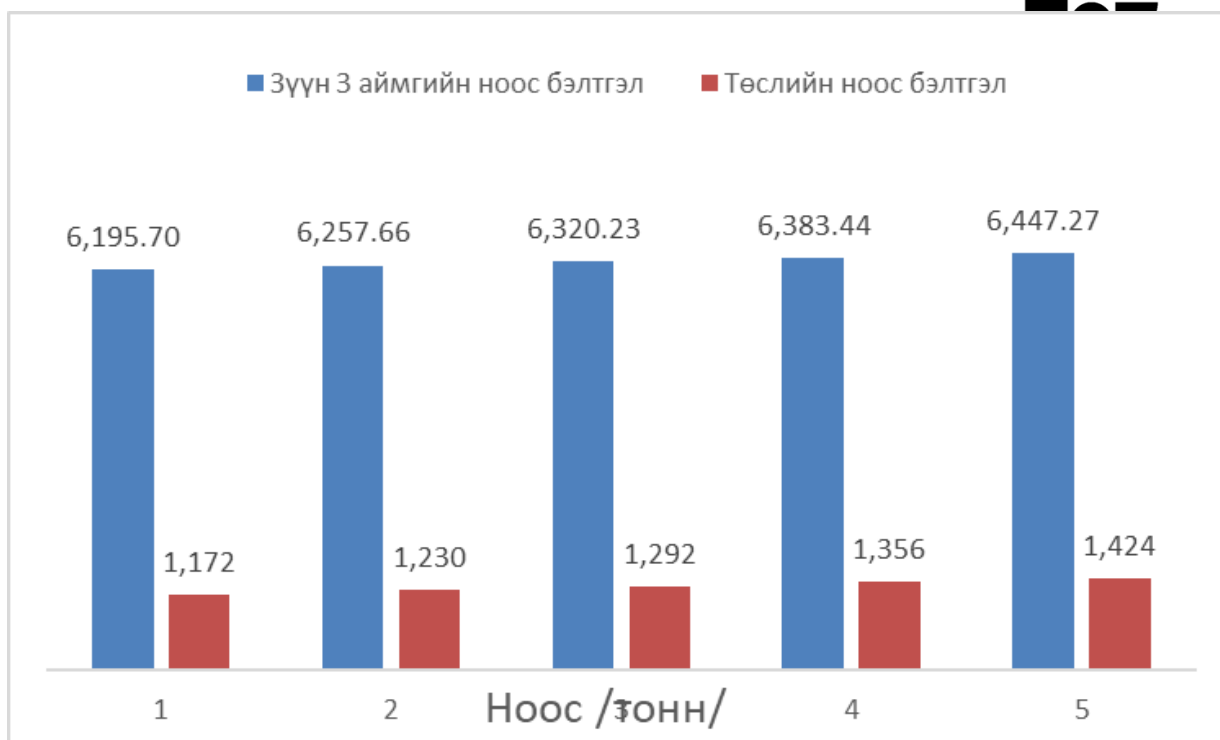
	绵羊存栏数 / Number of Sheep		羊毛采集量 / Wool Procurement	
	千头 / Thousand Head	头数 / Head Count	千吨 / Thousand Tons	羊毛采集量（公斤） / Wool Procurement (kg)
东方省 / Dornod	1,470.20	1,470,200	1,470.20	1,470,200
苏赫巴托尔省 / Sukhbaatar	2,179.00	2,179,000	2,179.00	2,179,000
肯特省 / Khentii	2,546.50	2,546,500	2,546.50	2,546,500
合计 / Amount	6,195.70	6,195,700	6,195.70	6,195,700

<https://mofa.gov.mn/files/pdf-files/tqoswybx31i/63c1173fae1d370972285efa.pdf>

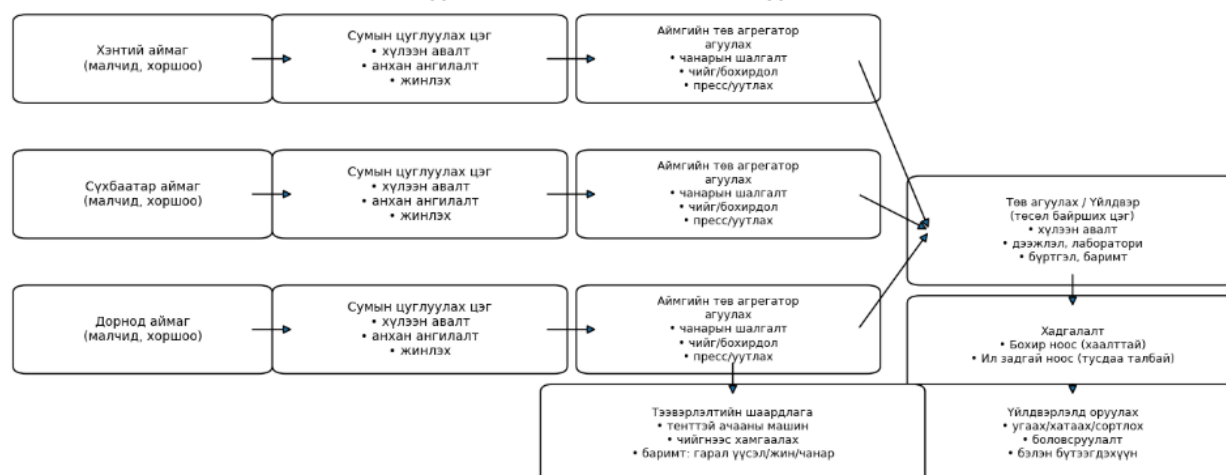
2026-2031 各年度羊毛采集及项目占比 / Annual Wool Procurement – Project Share

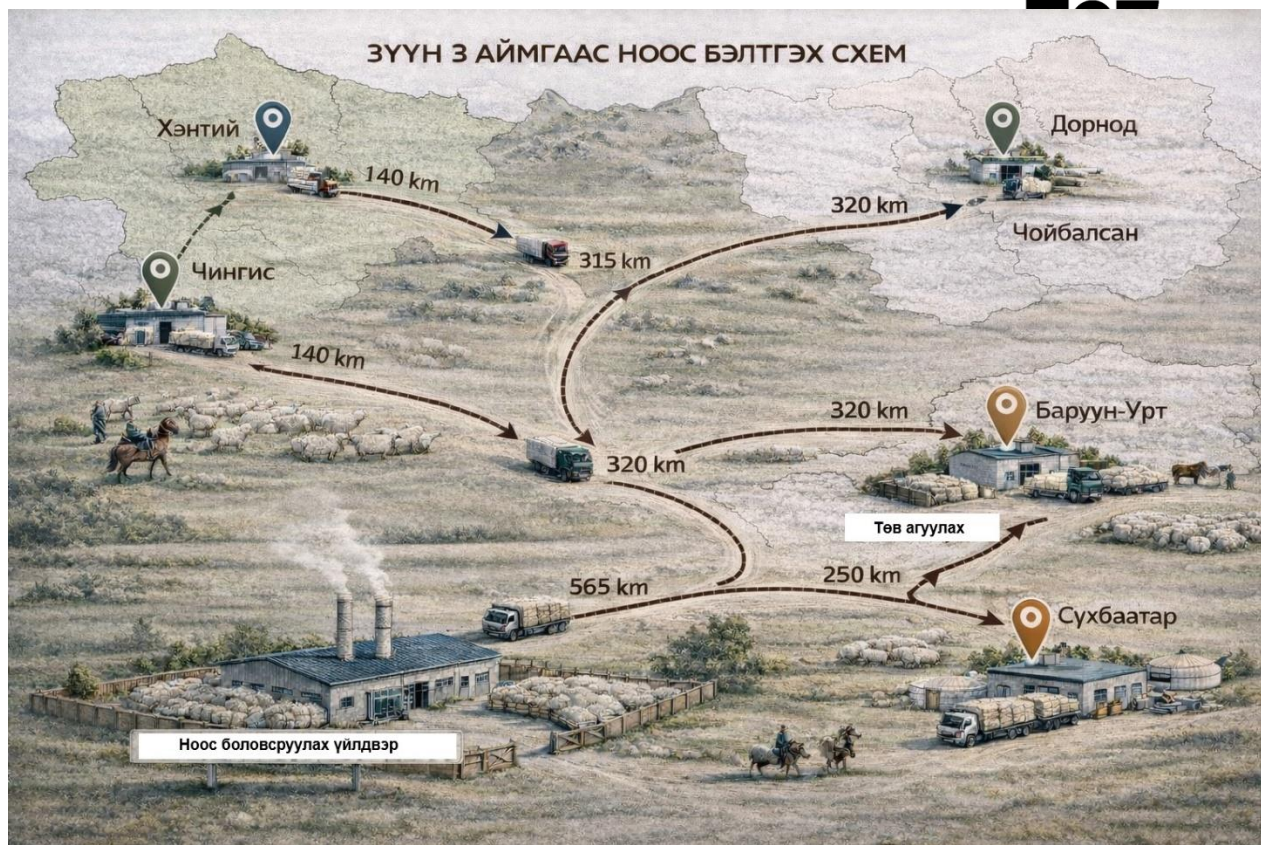
	东部三省羊毛采集量 / Wool Procurement of Eastern 3 Provinces		项目羊毛采集量 / Project Wool Procurement	
	千吨 / Thousand Tons	羊毛采集量（公 斤） / Wool Procurement (kg)	千吨 / Thousand Tons	占三省羊毛加工比 例 / Share of 3- Province Wool Processed
2026-2027	6,195.70	6,195,700	1,172	19%
2027-2028	6,257.66	6,257,657	1,230	20%
2028-2029	6,320.23	6,320,234	1,292	20%
2029-2030	6,383.44	6,383,436	1,356	21%
2030-2031	6,447.27	6,447,270	1,424	22%
合计 / Amount	31,604.30	31,604,297	平均占比 / Average Share	20.47%

预计东部省份羊毛采集量每年增长1% Eastern province wool procurement is projected to grow by 1% annually



МУ-ын зүүн 3 аймгаас ноос бэлтгэх нийлүүлэлтийн схем





НООС БОЛОВСРУУЛАХ ҮЙЛДВЭРИЙН ТЕХНОЛОГИЙН СХЕМ

