

Comparison of Green Development Policy, 'Vision 2050' and UN Sustainable Development Goals (supplement to Green Economy Policy Review of Mongolia's Green Development Policy)

#	Green Development Policy	Vision 2050		UN Sustainable Development Goals	
		Respective Actions	Harmonization	Respective Actions	Harmonization
1	Goals, Objectives				
2	<p>Purpose: To become a developed nation that has built conditions for environmental sustainability, so that it will be inherited by future generations who will gain benefits from it in the long-run through public participation and inclusive economic growth based on the green development concept.</p>	<p>Goal 6: Prioritize environmentally sound green development, improve people's life quality through building conditions for environmental sustainability and maintaining ecosystem balance for inheritance of future generations to benefit.</p>	Highly satisfactory	-	-
3	<p>Strategic objective 1: Promote a sustainable consumption and production pattern with efficient use of natural resources, low greenhouse gas emissions, and reduced waste generation.</p>	<p>Objective 6.4: Contribute to global effort to mitigate climate change by developing low carbon, inclusive and efficient green economy.</p>	Satisfactory	<p>Objective 12.2 By 2030, achieve sustainable management and efficient use of natural resources;</p>	Satisfactory
4	<p>Strategic objective 2: Sustain ecosystem's carrying capacity by enhancing environmental protection and restoration activities, and reducing environmental pollution and degradation.</p>	<p>Objective 6.2: Restore natural resources, reduce shortage and generate resources for future generations to gain environmental benefit.</p>	Highly satisfactory	<p>Objective 13.2 Integrate climate change measures into national policies, strategies and planning;</p> <p>Objective 15.1 By 2020, ensure the conservation, restoration and sustainable use of terrestrial and inland freshwater ecosystems and their services, in particular forests, wetlands, mountains and drylands, in line with obligations under international agreements;</p> <p>Objective 15.3 By 2030, combat desertification, restore degraded land and soil, including land affected by desertification, drought</p>	Highly satisfactory

				and floods, and strive to achieve a land degradation-neutral world.	
5	<p>Strategic objective 3: Increase investment in natural capital, human development and clean technology by introducing financing, tax, lending and other incentives for supporting a green economy.</p>	<p>Objective 4.3. Develop inclusive and multi pillar financial system that is well connected with international financial market.</p> <p>1st phase (2021 0 2030) of Goal 6.4 Develop national green financial system and foster efficient and ecofriendly clean technology</p> <p>Objective 8.3 develop environmentally sound; adaptable with climate change; risk bearable; social development trend, demand and requirement met; efficient and sustainable agricultural industry as lead sector.</p>	Less satisfactory	<p>Objective 9.3 Increase the access of small-scale industrial and other enterprises, in particular in developing countries, to financial services, including affordable credit, and their integration into value chains and markets.</p>	Highly satisfactory
6	<p>Strategic objective 4: Engrain a green lifestyle by reducing poverty and promoting green jobs.</p>	<p>Objective 3. Form a middle class with satisfactory living conditions that can be maintained with benefits of small or medium scale business; with a basis of compatible and sound investment in the business environment; by increasing household income; by fostering employment; fostering creative and active households that are able to meet their owns needs;</p> <p>Objective 4. To create a multi-pillar economy with sustainable economic growth per capita, predominant middle class, a sharp reduction in poverty, a basis for economic development policy, self-sufficiency, intensified export, investment and savings capacity.</p> <p>Objective 4.1. Create a stable macroeconomic environment and make the middle class the largest group in society.</p>	Satisfactory	<p>Objective 1.1 By 2030, eradicate extreme poverty for all people everywhere, currently measured as people living on less than \$1.25 a day;</p> <p>Objective 9.2 Promote inclusive and sustainable industrialization and, by 2030, significantly raise industry's share of employment and gross domestic product, in line with national circumstances, and double its share in least developed countries;</p> <p>Objective 9.4 By 2030, upgrade infrastructure and retrofit industries to make them sustainable, with increased resource-use efficiency and greater adoption of clean and environmentally sound technologies and industrial processes, with all countries taking action in accordance with their respective capabilities.</p>	Highly satisfactory

7	<p>Strategic objective 5: Encourage education, science, and technology to serve as the catalyst for green development, and develop cultural values and livelihoods that are in harmony with nature.</p>	<p>Objective 2.4. Develop internationally competitive national science, technology and innovation system.</p>	<p>Highly satisfactory</p>	<p>Objective 8.9 By 2030, devise and implement policies to promote sustainable tourism that creates jobs and promotes local culture and products;</p> <p>Objective 9.5 Enhance scientific research, upgrade the technological capabilities of industrial sectors in all countries, in particular developing countries, including, by 2030, encouraging innovation and substantially increasing the number of research and development workers per 1 million people and public and private research and development spending.</p>	<p>Highly satisfactory</p>
8	<p>Strategic objective 6: Develop and implement a population settlement plan in accordance with climate change, while considering the availability of natural resources and the resilience of regions.</p>	<p>Objective 9.2. To create a city with a healthy living environment, ecosystem balance, low greenhouse gas emissions and green technology. Objective 9.3. The city will develop into an internationally competitive metropolis with rapidly developing satellite cities with well-planned spatial settlement systems.</p>	<p>Highly satisfactory</p>	<p>Objective 11.3 By 2030, enhance inclusive and sustainable urbanization and capacity for participatory, integrated and sustainable human settlement planning and management in all countries;</p> <p>Objective 11.6 By 2030, reduce the adverse per capita environmental impact of cities, including by paying special attention to air quality and municipal and other waste management;</p> <p>Objective 11.a Support positive economic, social and environmental links between urban, peri-</p>	<p>Highly satisfactory</p>

				urban and rural areas by strengthening national and regional development planning.	
9	Implementation Activities				
10	<p>Strategic objective 1: 3.1.1. Reduce greenhouse gas emissions in the energy sector by 20 per cent by 2030, through increased energy efficiency, and by ensuring that the share of renewable energy used in total energy production is at 20 per cent by 2020, and at 30 per cent by 2030. This will be achieved by renewing energy production and other industrial technologies, by reducing excessive consumption and transmission losses, and by the optimization of pricing policies;</p>	<p>Objective 4.2.37 Increase the installed capacity of renewable energy to 30 per cent and 10 per cent of the streams of rivers and creeks will be used for power generation and other purposes. Objective 6.4.2 Reduce greenhouse gas emissions and increase carbon absorption in the energy, agriculture, construction, transportation, industry and waste sectors. Objective 8.1.6 Create an independent and integrated energy system with a smart system for the shared use of renewable energy sources and an energy exporter. Objective 9.2.5 Energy consumption of ger districts and households near to green area will be transferred to renewable energy sources and it will be possible to supply household's produced electricity to the central network. Objective 9.3 Increase the production of green energy and will have constant supply to current region.</p>	Highly satisfactory	<p>Objective 7.2 By 2030, increase substantially the share of renewable energy in the global energy mix.</p>	Highly satisfactory
11	<p>3.1.2. Reduce building heat losses by 20 per cent by 2020, and by 40 per cent by 2030, through the introduction of green solutions such as energy efficient and advanced technologies and standards, green building rating systems, energy audits, and the introduction of an incentives mechanism;</p>	<p>Objective 2.5.1 Create the housing and green facility standards, and healthy and safe living environment. Objective 6.4.1 Implant environmentally friendly, efficient and advanced technologies, increase consumption and productivity of production and develop a waste-free economy that saves natural resources. Objective 4.1.10 Implement the new law of taxation and broaden the basis of fiscal income. Objective 9.2.9 Implant and implement the green housing standard.</p>	Less satisfactory	<p>Objective 7.a By 2030, enhance international cooperation to facilitate access to clean energy research and technology, including renewable energy, energy efficiency and advanced and cleaner fossil-fuel technology, and promote investment in energy infrastructure and clean energy technology.</p>	Highly satisfactory
12	<p>3.1.3. Introduce environmental standards and norms consistent with international standards, and increase the results and quality of environmental assessments while promoting competitiveness and increased productivity;</p>	<p>Objective 4.5.1 Establish business incubator centers, improve their human resource skills and support their activities. Objective 4.5.5 Support the production of environmentally friendly organic products based on nano, bio, and green technologies and intellectual</p>	Satisfactory	<p>Objective 15.9 By 2020, integrate ecosystem and biodiversity values into national and local planning, development processes, poverty</p>	Satisfactory

		property and create a favorable investment environment. Objective 9.2.39 Renew the value of forest ecosystems in green areas and implement multilateral forest protection measures.		reduction strategies and accounts.	
13	3.1.4. Increase the processing of raw materials such as leather, wool and cashmere to 60 per cent by 2020, and to 80 per cent by 2030, through the promotion of sustainable agriculture development, and the development of a industrial processing cluster that is export-oriented and based on green technology;	Objective 4.2.20 Develop agriculture as a leading sector with environmentally friendly, responsible and sustainable productions Objective 4.2.22 Support the cashmere industry and increase exports of dehaired cashmere and finished products. Objective 4.2.23 Support the complete processing of animal skins, hides, fur and wool and increase the export of ready-made garments and textiles. Objective 8.1.9 Establish 33 agricultural production and technology parks in promising settlements based on regional specifics and nomadic animal husbandry. Objective 8.3.8 Develop the services of cluster, logistics and financial renting and systematically implement the reform of technology and technics of agricultural intensive production	Highly satisfactory	Objective 8.2 Achieve higher levels of economic productivity through diversification, technological upgrading and innovation, including through a focus on high- value added and labor-intensive sectors; Objective 9.2 Promote inclusive and sustainable industrialization and, by 2030, significantly raise industry's share of employment and gross domestic product, in line with national circumstances, and double its share in least developed countries.	Highly satisfactory
14	3.1.5. Improve supply of domestic demand for wheat, potatoes and vegetables through reduced land degradation due to crop production, and improved soil fertility, by introducing agro techniques for soil maintenance and efficient advanced technology for irrigation and establish forest zones;	Objective 2.5.15 Fully monitor food safety by establishing an information system for potato and vegetable tracking, including seed pool, soil protection, tillage, cultivation, irrigation, harvesting, storage, transportation, sale and retail. Objective 2.5.8 Implement a national programme to reduce air, environmental pollution and land degradation and to protect soil. Objective 6.2.8 implement the programme to protect soil, reduce land degradation and combat desertification. Objective 6.2.11 Displace the traditional technology of plowing and cultivating by introducing advanced agro-technical and irrigation-saving technologies; and no new land will be plowed by only using fallow lands. Objective 8.3.23 Introduce zero and integrated technologies in crop production, promote the use of environmentally friendly fertilizers;nd protect and improve soil fertility.	Highly satisfactory	Objective By 2030, combat desertification, restore degraded land and soil, including land affected by desertification, drought and floods, and strive to achieve a land degradation-neutral world.	Satisfactory

		<p>Objective 9.2.6 Implement management of purchasing the planted forests to the state forest fund, soil protection, biological and technological rehabilitation of soil pollution and rehabilitation of forests in ecologically important locations.</p>			
15	<p>3.1.6. Improve agricultural product supply chains and networks, and provide support for the introduction of environmentally friendly storage and packaging technologies for agricultural products;</p>	<p>Objective 3.3.8 Support the implementation of model projects of the supply and production of raw materials and products for agriculture and light industry, which is based on local specifications.</p> <p>Objective 8.3.28 Establish an effective system for quality control and certification of agricultural raw materials and products, and improve the connection between the activities of agricultural exchanges, national processing plants and suppliers.</p> <p>Objective 8.3.29 Support by the investment and incentives for centralization, preparation and supply to the market of raw materials and products from agriculture with primary processing standards.</p> <p>Objective 8.3.30 Make full use of the capacity of the processing plant in line with the resources of agricultural raw materials and products, and bring the level of product processing to international standards.</p> <p>Objective 8.3.31 Support the optimal usage of livestock resources in the region, increase the range of export items and reduce imports of some products and support exports.</p> <p>Objective 8.3.32 Support the optimal use of livestock resources in remote areas and explore opportunities to increase the range of export products.</p>	Highly satisfactory	<p>Objective 9.4 By 2030, upgrade infrastructure and retrofit industries to make them sustainable, with increased resource-use efficiency and greater adoption of clean and environmentally sound technologies and industrial processes, with all countries taking action in accordance with their respective capabilities;</p> <p>Objective 2.4 By 2030, ensure sustainable food production systems and implement resilient agricultural practices that increase productivity and production, that help maintain ecosystems, that strengthen capacity for adaptation to climate change, extreme weather, drought, flooding and other disasters and that progressively improve land and soil quality.</p>	Highly satisfactory
16	<p>3.1.7. Develop eco-tourism products and services that meet environmental and sanitation requirements;</p>	<p>Objective 1.1.13 Establish activities and festivals based on archeological sites and religious events and turn paleontological valuables into tourism products of special interest.</p> <p>Objective 4.2.45 Match the tourism service standards with international standards.</p> <p>Objective 4.2.46 Plan and develop some protected areas for eco-tourism.</p> <p>Objective 4.2.48</p>	Highly satisfactory	<p>Objective 8.9 By 2030, devise and implement policies to promote sustainable tourism that creates jobs and promotes local culture and products.</p>	Highly satisfactory

		<p>Implement programmes to develop tourism services and trade along the “Ikh Tumen Gol Initiative” programme, the Silk Road and Tea Road.</p> <p>Objective 6.1.8 Develop eco-tourism based on the resources and capacity of protected areas.</p> <p>Objective 8.2.4 Support the tourism along the border and Khalkh Gol and Buir Lake in Dornod province.</p> <p>Objective 8.3.11 Develop tourism with nomadic culture, civilization and traditions based on herders' livelihoods and increase their income and profits.</p> <p>Objective 9.4.8 Establish a smart and secure tourism service system.</p>			
17	<p>3.1.8. Promote resource efficient and low waste technologies for the mineral resources sector;</p>	<p>Objective 4.2.10 Establish economical and efficient use of water and its safety, and the regulation to have a treatment plant for mineral and agricultural products are forced.</p> <p>Objective 4.2.12 International standards and norms will be strictly followed when putting large mines into economic circulation.</p> <p>Objective 4.2.13 Develop mining and value-added heavy industry with the principles of environmental friendliness and sustainability and support advanced forms of investment.</p>	Highly satisfactory	<p>Objective 9.4 By 2030, upgrade infrastructure and retrofit industries to make them sustainable, with increased resource-use efficiency and greater adoption of clean and environmentally sound technologies and industrial processes, with all countries taking action in accordance with their respective capabilities;</p> <p>Objective 9.b Support domestic technology development, research and innovation in developing countries, including by ensuring a conducive policy environment for, inter alia, industrial diversification and value addition to commodities.</p>	Satisfactory
18	<p>3.1.9. Revert the negative impacts on human health and the environment arising from mining activities by engraining transparent and responsible mining practices, by improving the effectiveness of introducing offset mechanisms and by</p>	<p>Objective 6.2.9 Implement a green jacket project to rehabilitate land degraded by mining, agriculture, infrastructure, urban development and pasture use, make it reusable for commercial use with the responsibility.</p> <p>Objective 6.2.10</p>	Highly satisfactory	<p>Objective 12.2 By 2030, achieve the sustainable management and efficient use of natural resources;</p> <p>Objective 16.6 Develop effective,</p>	Highly satisfactory

	improving environmental protection, and restoration activities;	Improve the effectiveness of decontamination, rehabilitation and protection of land and subsoil contaminated, degraded and disturbed by mining and industrial activities. Objective 9.2.14 Create an integrated database of land destroyed by mining and eliminate duplication of rehabilitation technology, methodology and legal environment.		accountable and transparent institutions at all levels.	
19	3.1.10. Prevent pollution through the use of international standards for conventional and un-conventional oil deposit exploration and mining, and through frequent monitoring and evaluation;	Objective 4.2.16 Build an oil refinery and its infrastructure network, and a petrochemical plant.	Not satisfactory	Objective 12.4 By 2020, achieve the environmentally sound management of chemicals and all wastes throughout their life cycle, in accordance with agreed international frameworks, and significantly reduce their release to air, water and soil in order to minimize their adverse impacts on human health and the environment.	Highly satisfactory
20	3.1.11. Creation of a Sovereign Wealth Fund using mining sector income, and utilize for ensuring long-term sustainable development;	Objective 4.6.1 Improve the legal environment and organizational reforms of the National Wealth Fund. Objective 4.6.2 Appropriate principles of National Wealth fund will be identified and relevant rules and regulations will be approved. Objective 4.6.3 Funds shall be accumulated in the wealth fund from the sources of income specified in the Law for the Wealth Fund and shall be augmented in the manner prescribed by law. Objective 4.6.4 Some revenues of the Wealth Fund in current year will be invested in financial capitals with a credit rating of "AA" or equivalent in the international market. Objective 4.1.2 Subtilize the revenues in the Future Heritage Fund and establish a risk-bearing economy.	Highly satisfactory	Objective 10.4 Adopt policies, especially fiscal, wage and social protection policies, and progressively achieve greater equality.	Highly satisfactory
21	3.1.12. Develop an environmentally sound infrastructure and transportation network with no adverse impacts on nature, human health and biodiversity.	Objective 4.2.35 Establish a smart integrated system with advanced technology-based infrastructure by constructing vertical and horizontal main transmission lines over the integrated energy system of Mongolia. Objective 8.1.1	Satisfactory	Objective 9.4 By 2030, upgrade infrastructure and retrofit industries to make them sustainable, with increased resource-	Highly satisfactory

		<p>Build 11 international, regional and local roads.</p> <p>Objective 8.1.2 Identify regions with future potential and connect them to regional road networks.</p> <p>Objective 8.1.3 Five railways will be built to connect strategic mine fields with border points.</p> <p>Objective 8.1.4 Build 3 international transport and logistics centers, 6 regional transport and logistics centers and 33 local transport and logistics centers.</p> <p>Objective 8.1.9 Establish 33 agricultural production and technology parks in the promising settlements based on regional specifications and nomadic animal husbandry.</p> <p>Objective 8.1.10 Establish information and communication feedback complexes with local information and early warning information for herders in 18 provinces and 13 high-risk <i>soums</i>.</p>		<p>use efficiency and greater adoption of clean and environmentally sound technologies and industrial processes, with all countries taking action in accordance with their respective capabilities.</p>	
22	<p>Strategic objective 2: 3.2.1. Conserve pristine nature and maintain ecosystem sustainability by protecting at least 60 per cent of fresh water reserve sand stream formation areas,</p> <p>expanding protected areas to 25 per cent by 2020 and 30 per cent by 2030, and creating sustainable financing mechanisms for protection;</p>	<p>Objective 6.1.4 Increase the value and services of unique ecosystems by conducting research and expanding the area of freshwater resources, runoff sources, forests and areas under special state protection for biodiversity.</p> <p>Objective 6.1.6 Implant multi-pillared nature protection management and technology, improve managerial benefits of specially protected areas.</p> <p>Objective 6.1.7 Expand cooperation with the administrations of foreign protected area and introduce advanced management practices.</p> <p>Objective 9.2.16 Protected areas of water reservoirs and sanitary zones of water supply sources shall be taken under special protection and the regulation shall be strictly enforced.</p> <p>Objective 9.2.20 Reduce flood risk by protecting river sources and through local protection and maintaining water absorption capacity by preventing construction.</p>	Highly satisfactory	<p>Objective 15.5 Take urgent and significant action to reduce the degradation of natural habitats, halt the loss of biodiversity and, by 2020, protect and prevent the extinction of threatened species;</p> <p>Objective 15.9 By 2020, integrate ecosystem and biodiversity values into national and local planning, development processes, poverty reduction strategies and accounts.</p>	Highly satisfactory
23	<p>3.2.2. Promote the archetype of green development areas by limiting mining and industrial activities in national parks, and natural and cultural heritage sites, by developing</p>	<p>Objective 9.2.10 Increase land fees for citizens and business entities that own and use land in forests and water reservoirs, in order to limit interest of owning land in forests and water reservoirs and use the revenues for water and forest protection projects.</p>	Less satisfactory	<p>Objective 8.9 By 2030, devise and implement policies to promote sustainable tourism that creates jobs and promotes</p>	Less satisfactory

	eco-tourism and traditional livestock husbandry;	<p>Objective 8.2.2 Establish cultural and extreme tourism complex in Khuvsgul Lake, Khangai ridge's ecosystem and Orkhon valley.</p> <p>Objective 8.2.5 Establish a "Chinggis Khaan Tourism Complex" in Khentii province which based on the history of Mongolian statehood, valuable heritage, nomadic culture and traditional way of life.</p> <p>Objective 8.2.6 Support borderland tourism in Sukhbaatar province, based on cultural and historical heritages.</p> <p>Objective 8.3.5 Develop progressive animal husbandry near the towns, which is based and kept on advanced technology, and animal husbandry with green economy orientation and fair use of nature resources.</p>		local culture and products.	
24	3.2.3. Strengthen the national capacity to adapt to climate change and reduce the negative impacts of climate change;	<p>Objective 6.4.11 Adopt and implement a national programme on climate change adaptation.</p> <p>Objective 6.4.12 Establish the insurance system to prevent the risks of climate change.</p> <p>Objective 6.4.1 Strengthen the capacity to prevent and inform the nature and climate threats and build radar stations at least 5 positions</p> <p>Objective 8.3.2 Strengthen the capacity to adapt to agricultural production, reduce risks and economic losses from unforeseen risks, and improve the insurance system in agriculture.</p>	Highly satisfactory	Objective 13.2 integrate climate change measures into national policies, strategies and planning	Highly satisfactory
25	3.2.4. Reduce the loss of biodiversity by creating a gene fund, which will supply sufficient resources to maintain biodiversity and preserve the habitat;	<p>Objective 6.2.6 Reduce the subsidies to businesses that negatively affect ecosystems and biodiversity and support conservation activities that support ecosystem services.</p> <p>Objective 9.2.42 Create favorable conditions for the growth and reproduction of biodiversity and prevent ecological imbalances by increasing the network of local protected areas.</p>	Less satisfactory	Objective 15.5 Take urgent and significant action to reduce the degradation of natural habitats, halt the loss of biodiversity and, by 2020, protect and prevent the extinction of threatened species.	Highly satisfactory
26	3.2.5. Create conditions for sharing the benefits from the use of genetic resources through the creation of an adequate legal environment for the use, evaluation and registering of information on genetic resources and traditional knowledge related to genetic resources use;	<p>Objective 6.1.2 Make a systematic research on the reserve and spreads of flora and fauna in Mongolia to identify the transformation and form the appropriate conditions in order to implement the management.</p> <p>Objective 6.2.1 Establish genetic reserve, related records, databases and specialized genetic reserves of traditional</p>	Highly satisfactory	Objective 15.6 Promote fair and equitable sharing of the benefits arising from the utilization of genetic resources and promote appropriate access to such	Highly satisfactory

		<p>knowledge. And enrich the fund and support the development of biotechnology products.</p> <p>Objective 6.2.2 Implement the method of protecting endangered species by renewing the Mongolian Red Book for Flora and Fauna.</p> <p>Objective 6.2.3 Reduce the pressure on direct use of nature by deliberate breeding and cultivation of vulnerable animals and plants, establishment of forest agroparks and creation of regional reserves</p>		<p>resources, as internationally agreed.</p> <p>Objective 2.5 By 2020, maintain the genetic diversity of seeds, cultivated plants and farmed and domesticated animals and their related wild species, including through soundly managed and diversified seed and plant banks at the national, regional and international levels, and promote access to and fair and equitable sharing of benefits arising from the utilization of genetic resources and associated traditional knowledge, as internationally agreed.</p>	
27	<p>3.2.6. Limit the import and trade of genetically modified organisms by strengthening the capacity to assess the risks associated with genetically modified organisms, and prevent the impact of genetically modified organisms on human health and the environment;</p>	<p>Objective 2.5.14 Create a legal environment for food security to restrict the production and trade of high-calorie, trans fat, sugar, salt foods and sweet drinks by tax policy.</p> <p>Objective 2.5.17 Establish and strengthen a laboratory for testing and monitoring imported food products, and strengthen registration controls.</p>	Less reflected		Not reflected
28	<p>3.2.7. Enhance forest absorption of greenhouse gasses by intensifying reforestation efforts and expanding forest areas to 9 per cent of the country's territory by 2030;</p>	<p>Objective 6.2.4 Prevent deforestation by afforestation, forest expansion, rehabilitation and forest protection measures, increase the area covered by forests to 9 per cent of the total area and increase the absorption of carbon dioxide.</p>	Highly satisfactory	<p>Objective 15.2 By 2020, promote the implementation of sustainable management of all types of forests, halt deforestation, restore degraded forests and substantially increase afforestation and reforestation globally;</p> <p>Objective 15.b Mobilize significant resources from all sources and at all levels to finance sustainable forest management and provide adequate incentives to</p>	Highly satisfactory

				developing countries to advance such management, including for conservation and reforestation.	
29	3.2.8. Enhance forest absorption of greenhouse gasses by intensifying reforestation efforts and expanding forest areas to 9 per cent of the country's territory by 2030;	Objective 3.3.1 Connect associates of province and <i>soum</i> , cooperatives and individuals to the finance and market, create value chain clusters, and organize projects to create jobs through national and province procurement networks.	Not satisfactory	Objective 16.7 Ensure responsive, inclusive, participatory and representative decision-making at all levels.	Less satisfactory
30	3.2.9. Enhance forest absorption of greenhouse gasses by intensifying reforestation efforts and expanding forest areas to 9 per cent of the country's territory by 2030;	Objective 6.3.14 Increase the number of people who supplied by safe drinking water by expanding and building the constructions of water supply Objective 6.4.22 Increase the number of people who are served by standard sanitary facilities by expanding and building the sewage purifying plants. Objective 9.2.17 Develop the feasibility study and work design of "Tuul water complex" project and put into operation in order to increase drinking water resources. Objective 2.5.11 Expand and renovate the central treatment plant in Ulaanbaatar, other urban sewage treatment plants and industrial pre-treatment facilities with environmentally friendly and advanced technologies.	Satisfactory	Objective 6.1 By 2030, achieve universal and equitable access to safe and affordable drinking water for all; Objective 6.2 By 2030, achieve access to adequate and equitable sanitation and hygiene for all and end open defecation, paying special attention to the needs of women and girls and those in vulnerable situations.	Highly satisfactory
31	3.2.10. Enhance forest absorption of greenhouse gasses by intensifying reforestation efforts and expanding forest areas to 9 per cent of the country's territory by 2030;	Objective 6.3.3 Increase the reuse and efficiency of industrial water and reduce water footprint through the process of water contamination charges and permits. Objective 6.3.4 Support and develop the activities of purified water reuse and reprocessing sewage. Objective 6.3.8 Increase the number of surface water guards and groundwater measurement points in order to register groundwater resources, manage them properly and provide accurate information on changes and uses of groundwater resources.	Satisfactory	Objective 6.3 By 2030, improve water quality by reducing pollution, eliminating dumping and minimizing release of hazardous chemicals and materials, halving the proportion of untreated wastewater and substantially increasing recycling and safe reuse globally; Objective 6.4 By 2030, substantially increase water-use efficiency across all sectors and ensure sustainable withdrawals and	Highly satisfactory

				supply of freshwater to address water scarcity and substantially reduce the number of people suffering from water scarcity.	
32	<p>3.2.11. Promote experimentation and research activities for groundwater resources expansion and restoration, and promote projects for surface water accumulation and utilization, and initiatives for using rainwater harvesting;</p>	<p>Objective 4.2.8 Fulfill the water demands of industrial sector by making adjustment to the streams of river and collecting waters from rain, surface and floods.</p> <p>Objective 4.2.9 Fulfill the water demands of Agricultural sector by implanting advanced, beneficial and economical technologies to collect rain water.</p> <p>Objective 6.3.12 Adopt good practices to recover groundwaters by rain water in the frame of social and environmental responsibilities of entities and organisations.</p>	Highly satisfactory	<p>Objective 6.6 By 2020, protect and restore water-related ecosystems, including mountains, forests, wetlands, rivers, aquifers and lakes.</p>	Highly satisfactory
33	<p>3.2.12. Promote experimentation and research activities for groundwater resources expansion and restoration, and promote projects for surface water accumulation and utilization, and initiatives for using rainwater harvesting;</p>	<p>Objective 3.2.13 Support the activities aimed at rehabilitating and reusing at least 70 per cent of land damaged or polluted as a result of industrial activities;</p> <p>Objective 6.2.8 Implement the national programme to protect soil and fight desertification and soil erosion.</p> <p>Objective 8.3.3 Clarify the legal environment for improvement and protection of pastureland, establish an integrated pastureland management system and reduce pastureland degradation and desertification.</p>	Satisfactory	<p>Objective 15.3 By 2030, combat desertification, restore degraded land and soil, including land affected by desertification, drought and floods, and strive to achieve a land degradation-neutral world.</p>	Highly satisfactory
34	<p>3.2.13. Promote efforts aimed at reclaiming at least 70 per cent of degraded, polluted and abandoned land from industrial activities, and reusing it for different economic purposes;</p>	<p>Objective 6.2.11 Abolish the traditional technology of plowing and cultivating, introduce advanced agro-technical and irrigation-saving technologies, and only reuse the degraded land without plowing new lands.</p> <p>Objective 6.2.9 Implement a green jacket project to rehabilitate land degraded by mining, agriculture, infrastructure, urban development and pasture use, make it reusable for commercial use with the responsibility.</p>	Highly satisfactory		Highly satisfactory
35	<p>3.2.14. Promote efforts aimed at reclaiming at least 70 per cent of degraded, polluted and abandoned land from industrial activities, and reusing it for different economic purposes.</p>	<p>Objective 4.2.3 Establish effective legal and investment regulations to support economic diversification, industrialization and regional development.</p> <p>Objective 5.2.20 Create a favorable condition for investment and loans by matching and</p>	Highly satisfactory	<p>Objective 15.a Mobilize and significantly increase financial resources from all sources to conserve and sustainably use</p>	Highly satisfactory

		<p>reforming the banking and financial system to the development of private organisations.</p> <p>Objective 6.2.6 Reduce the subsidies to businesses that negatively affect ecosystems and biodiversity and support conservation activities that support ecosystem services.</p> <p>Objective 6.3.2 Establish and implement legal regulations to set the fees for water usage based on the gradient principle of depending on the amount of consumption, and to redistribute payment revenues.</p> <p>Objective 6.3.3 Increase the reuse and efficiency of industrial water and reduce water footprint through the process of water contamination charges and permits.</p> <p>Objective 8.3.3 Clarify the legal environment for improvement and protection of pastureland, establish an integrated pastureland management system and reduce pastureland degradation and desertification.</p>		<p>biodiversity and ecosystems.</p>	
36	<p>Strategic Objective 3: 3.3.1. Increase investment to increase efficiency of resource utilization and productivity, and reduce greenhouse gas emissions per unit of production by allocating two per cent of GDP annually for green development;</p>	<p>Objective 3.2.1 Support the supply of housing in the capital city, its satellite cities, villages and rural areas by the policy which matches with the income of the population and green development model.</p> <p>Objective 3.2.12 Establish a structure of supporting green housing by finance and policy.</p> <p>Objective 4.3.15 Introduce environmentally friendly green loans and financing products and services to the microfinance market, and introduce environmental and social risk management systems to financial institutions.</p> <p>Objective 4.5.5 Support the production of environmentally friendly organic products based on nano, bio, and green technologies and intellectual property and create a favorable investment environment.</p> <p>Objective 6.4.1 Strengthen capacity to prevent and inform nature and climate threats and build radar stations at least 5 positions</p> <p>Objective 6.4.7 Implement the Paris Agreement and the NDC, develop renewable energy and reduce greenhouse gas emissions from the energy, agriculture,</p>	<p>Satisfactory</p>	<p>Objective 12.7 Promote public procurement practices that are sustainable, in accordance with national policies and priorities.</p>	<p>Highly satisfactory</p>

		<p>construction, transportation, industry, and waste sectors.</p> <p>Objective 6.4.8 Increase greenhouse gas absorption through afforestation, protection of peat bogs, rehabilitation of disturbed lands, protection of vegetation cover and vegetation.</p>			
37	<p>3.3.2. Create economic incentives to increase productivity of natural resource use and support, and engrain environmentally friendly consumption and production habits;</p>	<p>Objective 6.4.1 Strengthen capacity to prevent and inform nature and climate threats and build radar stations at least 5 positions</p> <p>Objective 6.4.4 Decrease pollution and waste, implant the environmentally friendly and resource saving and advanced technology and support the clean production cost effective usage through economic leverage.</p>	Highly satisfactory	<p>Objective 12.8 By 2030, ensure that people everywhere have the relevant information and awareness for sustainable development and lifestyles in harmony with nature;</p> <p>Objective 12.2 By 2030, achieve the sustainable management and efficient use of natural resources.</p>	Highly satisfactory
38	<p>3.3.3. Increase investments for nature conservation and natural resource rehabilitation by 20 per cent by disseminating the benefits of and valuing and supporting ecosystem services such as capacity of forest water containment, carbon absorption, floodplain water collection and treatment, and environmental protection and restoration;</p>	<p>Objective 6.3.1 Install flow measurement device for water consumption and improving water use efficiency and benefits.</p> <p>Objective 6.3.2 Establish and implement legal regulations to set the fees for water usage based on the gradient principle of depending on the amount of consumption, and to redistribute payment revenues.</p> <p>Objective 6.3.10 Construct a series of ponds and underground reservoirs to collect rain water, melted snow and ice water, using landforms and riverbed patterns.</p> <p>Objective 6.3.11 Implant the technology to augment and rehabilitate water resources through the construction of flood dams, absorption wells and infiltration ponds near groundwater fields.</p>	Less satisfactory	<p>Objective 12.8 By 2030, ensure that people everywhere have the relevant information and awareness for sustainable development and lifestyles in harmony with nature;</p> <p>Objective 15.a Mobilize and significantly increase financial resources from all sources to conserve and sustainably use biodiversity and ecosystems;</p> <p>Objective 15.b Mobilize significant resources from all sources and at all levels to finance sustainable forest management and provide adequate incentives to developing countries to advance such management,</p>	Highly satisfactory

				including for conservation and reforestation.	
39	3.3.4. Establish a green taxation system to reduce the production and import of goods and services which are harmful to the environment;	<p>Objective 2.2.9 Fund activities to limit consumption that adversely affect the health of the population and centralize a certain percentage of the excise tax on alcohol, tobacco, drugs and sugary drinks in the health promotion fund in order to prevent diseases and to reduce risk factors.</p> <p>Objective 2.4.10 Support companies that have created, introduced and localized advanced and new technologies, products and services in leading industries by the policies of customs, tax and loans.</p> <p>Objective 4.1.11 Efficiently implement the taxation for luxury products under the international contract and agreements.</p> <p>Objective 2.5.14 Create a legal environment for food security to restrict the production and trade of high calorie, trans fat, sugar, salt foods and sweet drinks by tax policy.</p>	Highly satisfactory	<p>Objective 15.9 By 2020, integrate ecosystem and biodiversity values into national and local planning, development processes, poverty reduction strategies and accounts.</p>	Satisfactory
40	3.3.5. Promote the trade of low carbon and energy efficient technologies by reflecting the green development principles in international trade agreements and contracts;	<p>Objective 4.2.4 Support domestic production through adopting a law on trade regulation and regulation for import tariff.</p> <p>Objective 4.4.8 Negotiate free trade agreements with countries and reduce tariff and non-tariff barriers.</p> <p>Objective 4.4.9 Pursue a policy of diversifying the economy, expanding export opportunities and markets in a few long-term competitive sectors by joining regional economic and trade integration and easing trade.</p> <p>Objective 4.4.13 Increase the export volumes of livestock related product by making regulation on trade alleviations to Mongolia by the USA and the EU.</p> <p>Objective 4.5.14 Develop a free zone and cross-border trade network.</p>	Satisfactory	<p>Objective 7.3 By 2030, double the global rate of improvement in energy efficiency;</p> <p>Objective 7.a by 2030, enhance international cooperation to facilitate access to clean energy research and technology, including renewable energy, energy efficiency and advanced and cleaner fossil-fuel technology, and promote investment in energy infrastructure and clean energy technology;</p> <p>Objective 13.2 Integrate climate change measures into national policies, strategies and planning.</p>	Highly satisfactory
41	3.3.6. Increase the purchasing of environmentally sound,	<p>Objective 3.3.17 Support SMEs through government purchase by providing necessary raw</p>	Highly satisfactory	<p>Objective 12.7 Promote public</p>	Highly satisfactory

	effective, and resource efficient goods, works and services up to 20% of total public procurement;	materials and equipment, training the necessary human resources and creating a database of skilled workers. Objective 6.4.6 Establish a system to support the private sector by gradually shifting public procurement to green procurement.		procurement practices that are sustainable, in accordance with national policies and priorities.	
42	3.3.7. Enhance the corporate social responsibility of economic entities and organizations, and create an environmentally sound and sustainable financing system in the banking system;	Objective 4.2.11 Develop the mining sector into an environmentally friendly and responsible sector. Objective 4.3.15 Introduce environmentally friendly green loans and financing products and services to the microfinance market, and introduce environmental and social risk management systems to financial institutions. Objective 4.3.17 Introduce the supervision principles and regulatory tools for international banking services. Objective 4.5.11 Ensure cluster development by encouraging and supporting initiatives to support small and medium enterprises under the social responsibility of large enterprises and SMEs. Objective 5.2.20 Create favorable conditions for investment and loans by matching and reforming the banking and financial system to the development of private organisations. Objective 6.4.15 Increase the environmental and social responsibility of enterprises, strengthen an environmentally friendly and sustainable financial system and introduce sustainable business principles in the economic and social sectors. Objective 9.1.19 Provide an environment that enhances organizations' social responsibility and services capacity to people with disabilities.	Highly satisfactory	Objective 8.10 Strengthen the capacity of domestic financial institutions to encourage and expand access to banking, insurance and financial services for all.	Satisfactory
43	3.3.8. Estimate the share of environmental contributions in socio-economic development by incorporating green development indicators into the National Accounting Systems.	There is no directory to include the indicator in the national accounting system.	Not reflected		
44	Strategic objective 4: 3.4.1. Create employment opportunities with secured incomes for at least 80% of	Objective 2.3.5 Increase household income through employment promotion and job creation.	Highly satisfactory	Objective 1.b Create sound policy frameworks at the	Highly satisfactory

	<p>the available workforce, by increasing permanent jobs through public-private partnerships;</p>	<p>Objective 2.6.1 Monetary policy will focus on job creation.</p> <p>Objective 2.6.3 Encourage business entities to create more jobs.</p> <p>Objective 2.6.11 Support and develop the system by increasing the number of electronic and remote jobs that support intellectual labor.</p> <p>Objective 3.3.1 Connect associates of province and <i>soum</i>, cooperatives and individuals to the finance and market, create value chain clusters, and organize projects to create jobs through national and province procurement networks.</p> <p>Objective 8.3.12 Support agricultural sectors initiatives to expand production and cooperate by government policy that will keep jobs stable.</p> <p>Objective 9.5.1 Decentralize Ulaanbaatar by diversifying each satellite town and village; diversify development of trade, services, education, culture, health, agriculture, food, light industry, transportation, logistics and tourism.</p>		<p>national, regional and international levels, based on pro-poor and gender-sensitive development strategies, to support accelerated investment in poverty eradication actions;</p> <p>Objective 8.b By 2020, develop and operationalize a global strategy for youth employment and implement the Global Jobs Pact of the International Labour Organization.</p>	
45	<p>3.4.2. Enhance labor productivity through the creation of a competitive and professional workforce, obtaining internationally qualified education available in the home country;</p>	<p>Objective 2.1.5 Strengthen partnerships between employers, professional associations, academics and researchers by establishing basic training, research and innovation units at professional educational institutions.</p> <p>Objective 2.1.6 Create an open and unified electronic information system for the labor market and get accustomed to it; compile information on technical and higher education policy in the education sector database; establish an independent National Human Resource Policy Council in cooperation with professional associations in each sector to establish and implement a national framework for specialization.</p> <p>Objective 2.1.28 The government shall establish effective public-private partnership and cooperation, and support students studying in strategic areas abroad and train human resources in priority areas of education, health, information technology and economics.</p> <p>Objective 2.1.33 Implement a comprehensive human resource policy in the educational sector, establish a system that can</p>	<p>Highly satisfactory</p>	<p>Objective 4.4 By 2030, substantially increase the number of youth and adults who have relevant skills, including technical and vocational skills, for employment, decent jobs and entrepreneurship;</p> <p>Objective 4.3 By 2030, ensure equal access for all women and men to affordable and quality technical, vocational and tertiary education, including university.</p>	<p>Highly satisfactory</p>

		<p>determine positions on merit, ensure gender equality in human resources and provide housing for human resources to work in rural areas.</p> <p>Objective 2.1.34 Identify the teacher's standards in terms of professional, teaching, research, information, communication, communication technology and foreign language skills etc. and match the teacher's development to human resource policies and provide professional teachers at all levels of education.</p> <p>Objective 2.6.8 Implement the "Artificial Intelligence and the Future" programme and a policy to prepare professionally in-demand human resources to address future development trends.</p>			
46	<p>3.4.3. Strengthen an emerging middle class by promoting investment towards expanding the social protection floor and promoting multiple income sources of livelihood;</p>	<p>Objective 3.1.10 Direct the social welfare assistance, support and services to the needs of the targeted and vulnerable groups and their livelihoods.</p> <p>Objective 3.3.1 Connect associates of provinces and <i>soum</i>, cooperatives and individuals to the finance and market, create value chain clusters, and organize projects to create jobs through national and provincial procurement networks.</p> <p>Objective 2.3.1 Implement birth-friendly, family-friendly employment and social protection policies and programmes.</p> <p>Objective 3.1.1 Implement a special programme to guarantee citizens and herders in the informal sector social insurance.</p> <p>Objective 3.1.2 Update the legal environments of social insurance</p> <p>Objective 3.1.3 Provide all seniors by basic pensions.</p> <p>Objective 3.1.6 Identify the investment policy of the social insurance fund.</p>	Highly satisfactory	<p>Objective 1.3 Implement nationally appropriate social protection systems and measures for all, including floors, and by 2030 achieve substantial coverage of the poor and the vulnerable.</p>	Highly satisfactory
47	<p>3.4.4. Involve citizens in vocational training programmes, provide job placement services, and offer a sufficient salary for women taking care of children, and provide them suitable compensation for their work;</p>	<p>Objective 2.1.32 Create an accessible and appropriate training environment and conditions for teachers and specialists to prepare people with disabilities to compete in the labor market at the level of vocational and higher education.</p> <p>Objective 2.1.18 Increase the quality and accessibility of the child caring system and adjust the legal environment to enable accessibility for children aged 1 and 3 and create regulation and standards for the services providers.</p>	Less satisfactory	<p>Objective 4.3 By 2030, ensure equal access for all women and men to affordable and quality technical, vocational and tertiary education, including university.</p>	Highly satisfactory

48	3.4.5. Ensure equal access to social services necessary for healthy living and for ensuring food safety, by improved supply and availability of food for production;	<p>Objective 2.5.19 Implement government policies aimed at stabilizing food supply and ensuring accessibility for the whole population, ensuring product safety at all stages of the food chain by bringing food sector standards up to international, regional and international standards.</p> <p>Objective 8.3.33 Improve food nutrition and rational consumption by ensuring sustainable and balanced food supply and increased accessibility.</p> <p>Objective 2.5.14 Create a legal environment for food security to restrict the production and trade of high-calorie, trans fat, sugar, salt foods and sweet drinks by tax policy.</p> <p>Objective 2.5.15 Fully monitor food safety by establishing an information system for potato and vegetable tracking, including seed pool, soil protection, tillage, cultivation, irrigation, harvesting, storage, transportation, sale and retail.</p> <p>Objective 2.5.18 Implant hazard analysis and critical point control systems, food safety quality management systems, food chain control systems and standards in food processing plantations.</p> <p>Objective 9.2.3 Ensure food security and establish a network of organic food supplies from rural areas.</p> <p>Objective 2.5.17 Establish and strengthen a laboratory for testing and monitoring imported food products, and strengthen registration controls.</p>	Highly satisfactory	Objective 2.4 By 2030, ensure sustainable food production systems and implement resilient agricultural practices that increase productivity and production, that help maintain ecosystems, that strengthen capacity for adaptation to climate change, extreme weather, drought, flooding and other disasters and that progressively improve land and soil quality.	Highly satisfactory
49	3.4.6. Strengthen individuals' ability to overcome the adverse impacts of climate change by implementing programmes and projects to improve the livelihoods of individuals dependent on the environment and natural resources;	<p>Objective 6.4.11 Adopt and implement the national programme for climate change adaptation.</p> <p>Objective 6.4.12 Establish the insurance system against climate change related risks</p> <p>Objective 6.4.13 build radar stations in at least 5 locations in order to strengthen the capacity to prevent and inform nature and climate threats.</p> <p>Objective 6.4.14 Establish and develop a public-private national green finance system to finance environmentally friendly green projects and activities.</p> <p>Objective 6.4.17</p>	Highly satisfactory		Highly satisfactory

		<p>Implement green projects and programmes to develop renewable energy, reduce greenhouse gas emissions and waste and increase resource efficiency through UNFCCC and other international financial resources.</p> <p>Objective 8.3.2 Strengthen the capacity to adapt to agricultural production, reduce risks and economic losses from unforeseen risks, and improve the insurance system in agriculture.</p>			
50	<p>3.4.7. Create and promote incentives, like payment for ecosystem services for herders who take the initiative to contribute towards preventing pasture degradation and damage by breeding livestock in accordance with pasture capacity, and by maintaining water sources and springs.</p>	<p>Objective 8.3.4 Reduce livestock risk and increase the supply and availability of pastures, hay, fodder, water and by making adjustment with ecology and pasture carrying capacity and, combating rodents and insects.</p> <p>Objective 6.2.12 Balance the load of pasture use and establish a land payment system based on regional differentiation and gradient principles and limit the number of livestock according to the carrying capacity of pastures.</p>	Satisfactory	<p>Objective 13.a Implement the commitment undertaken by developed-country parties to the United Nations Framework Convention on Climate Change to a goal of mobilizing jointly \$100 billion annually by 2020 from all sources to address the needs of developing countries in the context of meaningful mitigation actions and transparency on implementation and fully operationalize the Green Climate Fund through its capitalization as soon as possible;</p> <p>Objective 15.3 By 2030, combat desertification, restore degraded land and soil, including land affected by desertification, drought and floods, and strive to achieve a land degradation-neutral world.</p>	Highly satisfactory
51	<p>Strategic objective 5: 3.5.1. Engrain a resource efficient and effective consumption culture, environmentally friendly lifestyle, and traditional customs of protecting the environment through sustainable development</p>	<p>Objective 1.1.1 Build patriotism and national unity, revive the nation's pride in its motherland, territory and independence and develop the traditional state ideology and teachings of Mongolians with a harmony to modern times.</p> <p>Objective 2.1.20</p>	Highly satisfactory	<p>Objective 4.7 By 2030, ensure that all learners acquire the knowledge and skills needed to promote sustainable development, including, among others, through</p>	

	education;	<p>Improve the quality of primary and secondary education and implement to reflect Mongolian history, language, culture, national heritage, customs, patriotism, personal development, maturity, bilingualism and common human values in the curriculum, content and methodology.</p> <p>Objective 7.1.1 Develop a military-patriotic training programme at all levels of education and establish special cabinets for it.</p> <p>Objective 6.2.14 Broadcast the information through the media to promote environmental legislation, traditional conservation practices and ensure citizen's participation in conservation activities.</p> <p>Objective 6.2.15 Provide the public with knowledge on environmental protection, traditional customs and sustainable development by coordinating the activities of the Environmental Information Center with the activities of the National Institute of Nomadic Civilizations</p>		<p>education for sustainable development and sustainable lifestyles, human rights, gender equality, promotion of a culture of peace and non- violence, global citizenship and appreciation of cultural diversity and of culture's contribution to sustainable development;</p> <p>Objective 13.3 Improve education, awareness-raising and human and institutional capacity on climate change mitigation, adaptation, impact reduction and early warning.</p>	
52	3.5.2. Establish best practices for efficient production and consumption of products by promoting the introduction of environmental management standards "MNS ISO14000" in economic entities;	<p>Objective 6.4.5. Introduce the set of environmental management standards MNS ISO14000, support the green certification system and establish good production and consumption practices.</p>	Highly satisfactory	<p>Objective 12.6 Encourage companies, especially large and transnational companies, to adopt sustainable practices and to integrate sustainability information into their reporting cycle;</p> <p>Objective 12.a Support developing countries to strengthen their scientific and technological capacity to move towards more sustainable patterns of consumption and production.</p>	Highly satisfactory
53	3.5.3. Assess risks to the environment and places of historical or cultural significance before implementing mining and major development projects, and ensure preventive measures are taken to preserve important sites;	<p>Objective 1.1.9 Intensify the fight against the destroyers of historical and cultural heritage in Mongolia and increase the responsibility of law enforcement and special services.</p> <p>Objective 6.1.1 Update ecological and economic assessments, improve regulations for evaluating ecosystem services and introduce ecosystem services, their value and importance to the public.</p> <p>Objective 4.2.12</p>	Satisfactory	<p>Objective 12.c Rationalize inefficient fossil-fuel subsidies that encourage wasteful consumption by removing market distortions, in accordance with national circumstances, including by restructuring taxation and phasing out those</p>	Highly satisfactory

		International standards and measures will be enforced when putting large mining into economic circulation.		harmful subsidies, where they exist, to reflect their environmental impacts, taking fully into account the specific needs and conditions of developing countries and minimizing the possible adverse impacts on their development in a manner that protects the poor and the affected communities; Objective 12.8 By 2030, ensure that people everywhere have the relevant information and awareness for sustainable development and lifestyles in harmony with nature.	
54	3.5.4. Encourage the development of clean technology and innovation to support green development by increasing the share of GDP expenditure for science and technology research and experimentation by two per cent by 2020, and by three per cent by 2030, and use it as the catalysts for green development;	Objective 2.4.5 Renew the legal environments of science, technology and innovation and establish the special funds to support innovation related activities and investment.	Highly satisfactory	Objective 7.a by 2030, enhance international cooperation to facilitate access to clean energy research and technology, including renewable energy, energy efficiency and advanced and cleaner fossil-fuel technology, and promote investment in energy infrastructure and clean energy technology; Objective 9.4 By 2030, upgrade infrastructure and retrofit industries to make them sustainable, with increased resource-use efficiency and greater adoption of clean and environmentally sound technologies and industrial processes, with all countries taking action in	Highly satisfactory

				accordance with their respective capabilities.	
55	<p>3.5.5. Increase manufacturing of green products with specified quality and exclusivity by expanding cooperation between scientific organizations and industries to apply, convey and transfer biotechnology and nanotechnology throughout industries innovations.</p>	<p>Objective 2.4.4 Establish a multi-source system of investment and financing for science and innovation and establish and foster public-private partnerships and culture for introducing foreign advanced technology.</p> <p>Objective 2.4.17 Encourage business entities and the public to set up an innovation, start-up and education related activities aimed at creating a variety of scientific, technological and cognitive content.</p>	Highly satisfactory	<p>Objective 9.5 Enhance scientific research, upgrade the technological capabilities of industrial sectors in all countries, in particular developing countries, including, by 2030, encouraging innovation and substantially increasing the number of research and development workers per 1 million people and public and private research and development spending.</p>	Highly satisfactory
56	<p>Strategic objective 6: 3.6.1. Offer comfortable living and working environments for the local people by developing self-sufficient “green” and “smart” cities and villages that are compatible with the carrying capacity of the environment and climate change trends, in order to prevent a heavily concentrated population;</p>	<p>Objective 3.2.15 Promote banking systems for supporting construction projects such as smart, natural resource-saving and advanced infrastructure through state and local budgets, foreign and domestic loans, aid and concession agreements.</p> <p>Objective 6.4.3 Develop the habits, trends, ideologies and tendencies toward sustainable green city, green housing, green way of living and resource efficiency.</p> <p>Objective 9.5.1 Decentralize Ulaanbaatar by diversifying each satellite town and village; diversify development of trade, services, education, culture, health, agriculture, food, light industry, transportation, logistics and tourism.</p> <p>Objective 9.5.2 Intensify the construction of “New Zuunmod” and “Maidar” and systematically implement the proceedings for housing and setting up infrastructure.</p> <p>Objective 9.5.3 Intensify the construction of the new city “New Zuunmod”, which will be built next to the international airport located in Khushig valley.</p> <p>Objective 9.5.9 Industrial zones will be planned in each sector and land will be owned through the sale and lease of industrial technology parks in order to develop</p>	Highly satisfactory	<p>Objective 11.3 By 2030, enhance inclusive and sustainable urbanization and capacity for participatory, integrated and sustainable human settlement planning and management in all countries</p> <p>Objective 11.6 By 2030, reduce the adverse per capita environmental impact of cities, including by paying special attention to air quality and municipal and other waste management;</p> <p>Objective 11.a Support positive economic, social and environmental links between urban, peri-urban and rural areas by strengthening national and regional development planning;</p>	Highly satisfactory

		satellite cities as clusters and to attract investment.		Objective 11.b By 2020, substantially increase the number of cities and human settlements adopting and implementing integrated policies and plans towards inclusion, resource efficiency, mitigation and adaptation to climate change, resilience to disasters.	
57	3.6.2. Reduce air, water, and soil pollution by implementing an improved plan for urban land use, construction zoning and infrastructure provisioning, and through the creation of a legal environment for accountability for its implementation;	<p>Objective 3.6.1 Improve the legal environment for urban development and land relations, based on an appropriate system of population and settlement.</p> <p>Objective 3.6.8 Establish an integrated geodetic measurement system for planning, constructing, expanding and operating urban development, infrastructure and facilities.</p> <p>Objective 9.2.1 Develop a management system for climate change vulnerability and risk assessment and establish ecological corridors for green area to improve the value and ecological resilience of urban ecosystems.</p> <p>Objective 9.2.13 Reduce air pollution by reducing emissions from vehicles, intensifying urban area redevelopment and systematically implementing the action of housing the areas with high levels of air pollution.</p>	Highly satisfactory	<p>Objective 6.a By 2030, expand international cooperation and capacity-building support to developing countries in water- and sanitation-related activities and programmes, including water harvesting, desalination, water efficiency, wastewater treatment, recycling and reuse technologies;</p> <p>Objective 6.b Support and strengthen the participation of local communities in improving water and sanitation management.</p>	Highly satisfactory
58	3.6.4. Reduce solid waste in landfills by 20% by 2020, and by 40% by 2030, by improving proper reduced waste management, by promoting efficient technology, providing knowledge and ensuring healthy habits and lifestyles, and through increased waste recycling and processing, and promoting the production of value-added products;	<p>Objective 4.1.26 Adhere a policy to create an environmentally friendly, low-waste, efficient and economical structure.</p> <p>Objective 9.2.27 Use a combination of administrative and incentive methods to reduce emissions and increase waste-free consumption.</p> <p>Objective 6.3.4 Support and develop the activities of purified water reuse and reprocessing sewage.</p> <p>Objective 9.2.31 Diversify the SMEs of recycling raw materials, and establish production with waste-free technology to carry out technological innovations and development.</p> <p>Objective 9.2.32</p>	Satisfactory	<p>Objective 6.3 By 2030, improve water quality by reducing pollution, eliminating dumping and minimizing release of hazardous chemicals and materials, halving the proportion of untreated wastewater and substantially increasing recycling and safe reuse globally.</p> <p>Objective 6.4 By 2030, substantially increase water-use efficiency across all sectors and ensure</p>	Highly satisfactory

		The landfill area of Narangiin Enger and Tsagaan Davaa will be completely closed and rehabilitated.		sustainable withdrawals and supply of freshwater to address water scarcity and substantially reduce the number of people suffering from water scarcity.	
59	3.6.5. Develop an environmentally sound, adequate, and safe public transportation service, and create a comfortable environment for passengers;	<p>Objective 9.3.1 Implement urban development activities connected to the integrated information system and develop a general development plan, taking into account the concentration, expansion, settlement, land management, road network, public transportation and underground space etc. necessary planning of Ulaanbaatar city</p> <p>Objective 9.3.12 Introduce smart public transportation with multiple classifications.</p> <p>Objective 9.3.15 Introduce "Cable transport" and build dedicated stops and infrastructure.</p> <p>Objective 9.3.25 Renew the administration and information center for public transport, and fully implant the new and smart systems into traffic systems.</p> <p>Objective 9.3.31 Build a public transportation system, which circulates the Bogd Khaan Mountain</p>	Highly satisfactory	<p>Objective 11.6 By 2030, reduce the adverse per capita environmental impact of cities, including by paying special attention to air quality and municipal and other waste management;</p> <p>Objective 11.2 By 2030, provide access to safe, affordable, accessible and sustainable transport systems for all, improving road safety, notably by expanding public transport, with special attention to the needs of those in vulnerable situations, women, children, persons with disabilities and older persons.</p>	Highly satisfactory
60	3.6.6. Enhance space available for pedestrians and cyclists through improved planning and organization of pedestrians' carriageways, green areas, bicycle lanes and parking.	<p>Objective 9.3.26 increase flyovers, underpasses, and build and expand pedestrian paths and bicycle lanes, and establish a monitoring system.</p> <p>Objective 9.3.27 introduce an advanced parking management system.</p>	Highly satisfactory	Objective 11.1 By 2030, ensure access for all to adequate, safe and affordable housing and basic services and upgrade slums.	Highly satisfactory
61	Indicators				
62	Share of renewable energy supply capacity against installed energy supply capacity	Share of population with access to energy supply.	Not satisfactory	7.2.1 Renewable energy share in the total final energy consumption	Highly satisfactory
63	Share of reduction of building heat loss		Not reflected		Not reflected
64	Waste recycling share	Share of recycled waste.	Highly satisfactory	12.5.1 National waste recycling rate, tons of material recycled	Highly satisfactory

65	Share of expenditure in green development in total GDP		Not satisfactory		Not reflected
66	Share of expenditure for science and technology research in total GDP	Share of expenditure for science and technology research in total GDP	Highly satisfactory	9.5.1 Research and development expenditure as a proportion of GDP	Highly satisfactory
67	Share of green procurement in total government procurement	Share of green procurement in total government procurement - 10%.	Highly satisfactory		Not reflected
68	Share of protected area in total territory	Share of protected area - 27%.	Highly satisfactory	15.1.2. Proportion of important sites for terrestrial and freshwater biodiversity that are covered by protected areas, by ecosystem type 15.4.1. Coverage by protected areas of important sites for mountain biodiversity	Highly satisfactory
69	Increased investment in environmental protection and restoration	Environmental Performance Index.	Less satisfactory	15.a.1. Official development assistance and public expenditure on conservation and sustainable use of biodiversity and ecosystems.	Satisfactory
70	Share of forest area in total territory	Share of forest area in total territory - 8.7%.	Highly satisfactory	15.1.1. Forest area as a proportion of total land area.	Highly satisfactory
71	Percentage of population with access to certified drinking water	Percentage of population with access to certified drinking water - 87%.	Highly satisfactory	6.1.1 Proportion of population using safely managed drinking water services	Highly satisfactory
72	Percentage of population with access to improved sanitation facilities	Percentage of population access with improved sanitation facilities - 75%.	Highly satisfactory	6.2.1 Proportion of population using safely managed sanitation services, including a hand-washing facility with soap and water.	Highly satisfactory
73	Poverty rate	Poverty rate 15%.	Highly satisfactory	1.2.1. Proportion of population living below the national poverty line, by sex and age.	Highly satisfactory
74	Share of green areas in Ulaanbaatar and other urban areas	There is no indicator to measure urban green facilities. Indicators to measure improvement of urban air quality.	Not reflected	11.7.1 Average share of the built-up area of cities that is open space for public use for all, by sex, age and	Highly satisfactory

				persons with disabilities.	
75	Share of agricultural and manufacturing industry in total GDP	Number of agricultural production and technological parks.	Not satisfactory	9.2.1 Manufacturing value added as a proportion of GDP and per capita.	Satisfactory

Source: Harmonization comparison made by the authors of “Green Economy Policy Review of Mongolia’s Green Development Policy”