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<th>ISSUES/RISKS</th>
<th>MITIGATION MEASURES</th>
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| Dust generation/ Air pollution | The Contractor implement dust control measures to ensure that the generation of dust is minimized and is not perceived as a nuisance by local residents, maintain a safe working environment, such as:  
* watering dusty roads and construction sites;  
* exposed soil and material stockpiles shall be covered to protect against wind erosion. |
| Noise and vibration           | All construction vehicles must have mufflers in good condition to avoid excessive noise emissions and frightening any nearby livestock. Construction activities should be limited to legally permissible times, or to between 7:00 AM and 6:00PM, whichever is stricter. If work must be done outside these time limits: (a) permission must be obtained from the appropriate authorities and (b) local residents be given sufficient advanced notification.  
Any construction equipment deemed too noisy by the local environmental authority and/or if there are complaints from locally affected groups, the equipment shall be replaced. |
| Water pollution               | Portable or constructed toilets must be provided for construction workers either on site and/or at any work camps (if such camps will be established). There should be no direct discharges of human sewage to any waterbody.  
Do not wash cars, trucks or machinery in or near natural water sources. |
| Drainage and sedimentation    | The Contractor shall ensure any drainage system is always maintained cleared of mud and other obstructions.                                                                                                             |
| Solid waste                  | At all places of work, the Contractor shall provide litter bins, containers and refuse collection facilities.  
Solid waste may be temporarily stored on site in a designated area approved by BSEDN/EBEDN.  
Waste storage containers shall be covered, tip-proof, weatherproof and scavenger proof.  
No burning, on-site burying or dumping of solid waste shall occur. If burning is the only alternative, prior approvals should be obtained from the local environmental authority.  
Since existing poles to be replaced may be impregnated with creosote, under no circumstance are these poles to be burned. If the discarded poles are provided to the public for construction purposes, recipients of the poles must be explicitly warned of the dangers associated with burning these poles.  
Creosote treated poles or pole sections that have deteriorated beyond any useful life for an alternative use, shall be collected and disposed of at a site recommended and approved by the Ministry of Environment, Green Development and Tourism (MEGDT).  
For other recyclable materials, the Contractor shall collect and separate on site recyclable wastes such as steel, aluminum and copper tailings, recyclable construction materials, such as parts of |
building fabrication, boards, flooring and packaging materials for later recycling, for use as fill or selling off to licensed companies for recycling and rehabilitation on the consent of ESBDN/BSEDN. Waste materials that have no useful alternative (cable covering etc.) shall be collected and stored temporarily at designation locations along the distribution line route.

Under no circumstances shall the contractor dispose of any material in environmentally sensitive areas, such as in areas of natural habitat or in watercourses.

When removed off site, solid waste or construction debris shall be disposed of only at sites identified and officially designated by the local waste management authorities.

Components that have remaining useful life are to be stored and/or used at other BSEDN/EBEDN sites as needed.

| Chemical or hazardous materials and/or wastes (spent lubricants, paints, adhesives, solvents) | Used oil and grease shall be removed from site and sold to a properly licensed recycling company.

Used oil and lubricants, from the maintenance of any vehicles and machinery shall be stored in sealed drums or collected in holding tanks and removed from site and sold to a licensed oil recycling company or disposed at a government approved site.

Do not use toxic materials, including lead-based paints on any structures: any coating materials for steel or concrete structures should be approved by the MEGDT.

Hazardous wastes are to be stored with appropriate labeling at temporary facilities on-site or brought to a central facility that is well ventilated with impervious floors and locked when not in use.

In the event materials are to be used containing chemicals not regulated in Mongolia, BSEDN/EBEDN should obtain approval for use from MEGTD. |

| Disruption of vegetative cover and ecological resources | Any areas to be cleared should be minimized as much as possible.

To the extent possible, existing roads/access routes to pole sites should be used. If access roads must be established, they should be routed to cause minimal disruption to local habitats or any economic activity (e.g. agriculture or herders). The same access road used for construction/installation should be used for maintenance operations.

In the event virgin vegetation is removed, The Contractor shall remove topsoil from all areas where topsoil will be impacted on by rehabilitation activities, including temporary activities such as storage and stockpiling, of transmission line poles/structures etc.

Any stripped topsoil shall be stockpiled in areas agreed with the BSEDN/EBEDN for later use in re-vegetation and shall be adequately protected from loss by rain, wind etc.).

Application of pesticides (herbicides) for vegetation clearing and/or maintenance is not permitted. Land clearance/maintenance should be either manual or mechanical or both. Disposal of vegetative cover should be to a government approved site.

For the removal of virgin vegetation, BSEDN/EBEDN shall obtain an environmental clearance or permit issued by the MEGDT or local...
environmental authorities. When needed, the Construction Contractor shall erect temporary protective fencing to efficiently protect any trees before commencement of any works within the site.

The Construction Contractor shall ensure that no hunting, trapping, shooting, poisoning of fauna takes place by Contractor personnel. Cleared areas such as disposal areas, site facilities, workers’ camps, stockpiles areas, working platforms and any areas temporarily occupied during construction of the project works shall be restored by the Construction Contractor using landscaping, adequate drainage and vegetation.

Soil contaminated with chemicals or hazardous substances shall be removed, transported and treated as hazardous waste. Disposal shall be based on documented guidance from the MEGDT

| Traffic management | Traffic control measures, during the construction phase of the project, the BSEDN/EBEDN Construction Contractor shall seek guidance from the Mongolian government traffic authorities if there is:
  a) significant increases in vehicle trips
  b) a need to re-route traffic taking into account sensitive areas such as schools and hospitals.
  c) a need to install lighting at night for traffic circulation.
The Construction Contractor shall place signs around the construction areas to facilitate traffic movement providing direction to various components of the works, and provide safety advice and warning.
If materials are to be transported during rush hour, the local traffic department must be notified by the Contractor and if necessary, request their assistance.
Before pole replacement or rehabilitation activities start, BSEDN/EBEDN shall carry out consultations with local government and community and with the traffic department. |

| Interruption of utility services | Provide information to affected households on working schedules as well as planned disruptions of water/power at least 2 days in advance.

Any damages to existing utility systems of cable, telecommunications, water supply etc. shall be reported to authorities and repaired as soon as possible. Associated costs shall be the responsibility of the Contractor (TO BE INCLUDED IN THE PROCUREMENT DOCUMENTS) |

| Worker and public Safety | Mongolia’s requirements for worker health and safety will be followed. (Refer to Mongolian Labour Law, (Part VII- Labour conditions, Health and Safety, Section 83-To provide the labour health and safety condition, Section 84- To ensure the occupational safety and hygiene requirements, 85- To compensate the damages caused by employees due to industrial accidents, poisoning and occupational diseases). In addition, worker health and safety will be followed in accordance BSEDN/EBEDN protocols).
The Construction Contractor shall provide safety measures such as |
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<th>Chance find procedures</th>
<th>If the Construction Contractor discovers sites/artifacts of archeological, historical, significance, including graveyards and/or individual graves during excavation or construction, the Construction Contractor shall:</th>
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<td>Stop the construction activities in the area of the chance find immediately;</td>
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<td>Notify BSEDN/EBEDN officials who in turn will notify responsible authorities in charge of the Cultural Property</td>
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<td>Secure the site to prevent any damage or loss of removable objects. In cases of removable antiquities or sensitive remains, constant guarding of the site shall be arranged until the responsible authorities take over;</td>
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<td>Delineate the discovered site or area</td>
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<td>Relevant authorities would be in charge of protecting and preserving the site before deciding on subsequent procedures.</td>
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<td>Decisions on how to proceed shall be taken by the responsible authorities.</td>
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<td>If the cultural sites and/or relics are of high value and site preservation is recommended by professionals and required by the cultural relics authority, BSEDN/EBEDN will make necessary design changes to accommodate the request and preserve the site;</td>
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<td>Decisions concerning the management of the finding shall be communicated in writing by relevant authorities;</td>
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<td>Construction works could resume only after written permission is granted from the responsible authorities concerning safeguard of the heritage</td>
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<td>Any worker removing such artifacts for personal use or gain, shall be dismissed and subjected to legal action.</td>
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