APPENDIX A-3

EIAR Scoping Checklist



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SCOPING CHECKLIST

| No. | Questions to be considered in scoping | Yes/No/? | Which Characteristics of the Project Environment could be affected and how? | Is the effect likely to be significant? Why? | | |
|------|--|----------|--|---|--|--|
| 1. W | 1. Will construction, operation or decommissioning of the Project involve actions which will cause physical changes in the locality (topography, land use , changes in | | | | | |
| wa | iterbodies, etc) | | | | | |
| 1.1 | Permanent or temporary change in land use, landcover or topography including increases in intensity of land use? | Yes | Will result in partial loss of on-site forestry resource | Unlikely -on-site forestry resource is a managed conifer plantation - loss is of marginal environmental value. Confirm effect by assessment | | |
| 1.2 | Clearance of existing land, vegetation and buildings? | Yes | Will result in partial loss of on-site ecological habitats | Possibly – areas of valuable ecological habitats exist on-site. Confirm effect by assessment | | |
| | | | Will require partial loss of on-site forestry resource to accommodate development infrastructure which could affect economic | Unlikely - on-site forestry resource is a managed conifer plantation - loss is of marginal environmental value | | |
| | | | Loss of on-site forestry habitat could affect bat populations if present | Possibly – protected species. Confirm effect by assessment | | |
| | | | Could damage or remove historic relics if present | Possibly - known cultural heritage features on-site. Confirm effect by assessment | | |
| 1.3 | Creation of new land uses? | Yes | Partial change of existing on-site forestry resource to wind energy generating activity | Unlikely – on-site forestry resource is a managed conifer plantation - loss is of marginal environmental value. Confirm effect by assessment | | |
| | | | The new landuse could affect local landscape character | Possibly - landscape with high sensitivity and value rating in proximity. Confirm effect by assessment | | |
| 1.4 | Pre-construction investigations eg boreholes , soil testing? | Yes | Ground investigation consisting of boreholes and further trial pits will be carried out at each turbine location to inform the detailed crane hardstanding and turbine foundation design. | No – localised effect | | |



| No. | Questions to be considered in scoping | Yes/No/? | Which Characteristics of the Project Environment | Is the effect likely to be significant? |
|------|--|----------|---|---|
| | | | could be affected and how? | Why? |
| 1.5 | Construction works? | Yes | Partial loss of on-site ecological habitat to | Possibly – areas of valuable ecological |
| | | | accommodate infrastructure | habitats exist on-site. Confirm effect |
| | | Voc | Partial loss of an site forestry resource to | Dy assessment |
| | | 163 | accommodate infrastructure | managed conifer plantation - loss is of |
| | | | | marginal environmental value |
| | | | | Confirm effect by assessment |
| 1.6 | Demolition works? | No | n/a | n/a |
| 1.7 | Temporary sites used for construction works or housing of | Yes | Partial loss of on-site ecological habitat to | Possibly – areas of valuable ecological |
| | construction workers | | accommodate temporary construction phase | habitats exist on-site. Confirm effect |
| | | | compound | by assessment |
| 1.8 | Above ground buildings, structures or earthworks, including | Yes | Partial loss of existing on-site ecological habitat to | Possibly – areas of valuable ecological |
| | linear structures, cut and fill or excavations? | | accommodate the new substation building and | habitats exist on-site Confirm effect |
| | | | turbines, new roadways etc | by assessment |
| | | | Potential for visual effects due to height of turbine | Possibly - landscape with high |
| | | | structures | sensitivity and value rating. Confirm |
| | | | | effect by assessment |
| | | | Potential for effects on avian population –collision or | Possibly - SPA within circa 6km. |
| | | | strike with turbines | Confirm effect by assessment |
| 1.9 | Underground works including mining or tunnelling? | Yes | Underground cabling within forestry | Possibily – stream crossings required |
| 1.10 | | | | Confirm effect by assessment |
| 1.10 | Reclamation works? | NO | n/a | n/a |
| 1.11 | Dreuging r | No | | |
| 1.12 | Offeboro structuros? | No | | n/a |
| 1.15 | District and manufacturing processor? | No | | |
| 1.14 | Facilities for storages of goods or materials? | NO | Water quality impacts could occur from run off from | II/d |
| 1.15 | racinities for storages of goods of materials? | res | temporary op-site storage of construction materials | stored in designated areas which can |
| | | | and fuel | he suitably protected by appropriate |
| | | | | run-off containment and drainage |
| | | | | control system. Confirm effect by |
| | | | | assessment |
| 1.16 | Facilities for treatment or disposal of solid wastes or liquid | No | n/a | n/a |
| | effluents | | | |
| 1.17 | Facilities for long term housing of operational workers? | No | n/a | n/a |
| 1.18 | New road, rail or sea traffic during construction or | Yes | Will increase HGV traffic on local and regional road | Unlikely-temporary short term |



| could be affected and how? Wh? operation? networks increase. Traffic management plan could address potential nuisance. Confirm effect by assessment 1.19 New road, rails, air, waterborne or other transport infrastructure including new or altered routes and stations, ports, airports etc? Yes New access road is to be constructed within site and will require a new waterocourse crossing. Potential for water quality impact Possibly - risk of water quality impact 1.20 Closure or diversion or existing transport routes or infrastructure leading to changes in traffic movements? Yes Possibly - required infrastructure compotents Unlikely-temporary short term effect or existing 110kv system. 1.21 New or diverted transmission lines or pipelines? Yes Diversion of 38kv line and new loop in infrastructure to existing 110kv system. Unlikely - temporary short term effect or existing 110kv system. 1.22 Impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers Yes Some on-site culverting and modification to drianage regime. However potential exists. Confirm effect by assessment Unlikely - engineered drainage and un-off cort lo system is to be implement which will ensure minima changes to existing on -site drainage regime. However potential exists. Confirm effect by assessment 1.23 Stream crossings? Yes Connection route to permitted Lenala substation will require crossing of main wa | No. | Questions to be considered in scoping | Yes/No/? | Which Characteristics of the Project Environment | Is the effect likely to be significant? |
|---|------|---|----------|---|---|
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| Image: Similar on-site streams.practice construction methods could achieve no negative impact. However potential exists. Confirm effect by assessment1.24Abstractions or transfers of water from ground or surface waters?Non/an/a1.25Changes in waterbodies or the land surface affecting drainage or run-off?YesProject infrastructure will increase the area of impermeable land on-site. Potential for indirect effect to on-site ecological habitatsUnlikely Project includes engineered drainage and run-off control system which will ensure minimal changes to existing on-site drainage regime | | | | smaller on site streams | span bridge and appropriate best |
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| existing on-site drainage regime | | | | effect to on-site ecological habitats | which will ensure minimal changes to |
| | | | | | existing on-site drainage regime |
| Confirm effect by assessment | | | | | Confirm effect by assessment |
| 1.26 Transport of personnel or materials for construction, Yes Major increase in development generated HGV Unlikley – short term temporary | 1.26 | Transport of personnel or materials for construction, | Yes | Major increase in development generated HGV | Unlikley – short term temporary |
| operation or decommissioning? traffic during construction on local road activity. Confirm effect by assessme | | operation or decommissioning? | | traffic during construction on local road | activity. Confirm effect by assessment |
| Intrastructure | 1 27 | Long term dismontling or decommissioning or restarction | No | | n/a |
| 1.27 Long term distributing or decommissioning or restoration NO n/a n/a n/a | 1.2/ | Long term dismantling or decommissioning or restoration | NO | ll/d | ll/d |



| No. | Questions to be considered in scoping | Yes/No/? | Which Characteristics of the Project Environment | Is the effect likely to be significant? |
|------|--|---------------|---|--|
| | | | could be affected and how? | Why? |
| 1.28 | Ongoing activity during decommissioning which could have | No | n/a | n/a |
| | an impact on the environment? | | | |
| 1.29 | Influx of people to an area either temporarily or | No | n/a | n/a |
| | permanently? | | | |
| 1.30 | Introduction of alien species? | No | n/a | n/a |
| 1.31 | Loss of native species or genetic diversity | ? | Partial loss of on-site ecological habitat to | Possibly – areas of valuable ecological |
| | | | accommodate development could affect associated | habitats exist on-site. Confirm effect |
| | | | habitat dependant species | by assessment |
| 1.32 | Any other actions? | No | n/a | n/a |
| 2. | Will construction or operation of the Project use natural resou | urces such as | land, water materials or energy, especially any resourc | es which are non-renewable or in short |
| | supply? | | | |
| 2.1 | Land especially undeveloped or agricultural land? | Yes | Existing site supports agricultural and forestry | No – marginal value |
| | | | | |
| 2.2 | Water? | Yes | Water for construction phase | No – short term temporary |
| | | | | requirement |
| 2.3 | Minerals? | No | n/a | n/a |
| 2.4 | Aggregrate? | Yes | Project construction will use large amount of | No – will be sourced from operating |
| | | | imported stone and aggregate material | registered quarries. Unlikely to affect |
| | | | | overall regional resources |
| 2.5 | Forests or timber? | Yes | Development within forestry | on-site forestry resource is a managed |
| | | | | conifer plantation - loss is of marginal |
| | | | | environmental value |
| 2.6 | Energy including electricity and fuels? | Yes | Fuels required for construction vehicles and plant | No – short term temporary activity |
| 2.7 | Any other resources? | n/a | n/a | n/a |
| 3. \ | Will the Project involve use, storage, transport, handling or pr | oduction of s | ubstances or materials which could be harmful to hum | an health or the environment or raise |
| (| concerns about actual or perceived risks to human health? | T | | |
| 3.1 | Will the project involve use of substances or materials | Yes | Concrete and fuels will be used during construction. | Unlikely- materials and fuels will be |
| | which are hazardous or toxic to human health or the | | Risk to water quality if uncontrolled spills occur | stored in designated areas which can |
| | environment (flora, fauna, water supplies)? | | | be suitably protected by appropriate |
| | | | | run-off containment and drainage |
| | | | | control system. Confirm effect by |
| | | | | assessment |
| 3.2 | Will the project result in changes in occurrence of diseases | No | n/a | n/a |
| | vectors (eg insect or water borne diseases)? | | | |
| 3.3 | Will the project affect the welfare of people eg by changing | ? | Perceived risk of impacts to amenity due to noise, | ? - Nearest residential receptors |
| | living conditions? | 1 | shadow flicker and visual impact | >1km from infrastructure. Confirm |



| No. | Questions to be considered in scoping | Yes/No/? | Which Characteristics of the Project Environment | Is the effect likely to be significant? |
|------|--|---------------|--|---|
| | | | could be affected and how? | Why? |
| | | | | effect by assessment |
| 3.4 | Are there especially vulnerable groups of people who could | No | n/a | n/a |
| | be affected by the project eg hospital patients, the elderly? | | | |
| 3.5 | Any other causes? | Yes | On site substation could be perceived locally as | Unlikely– substation compound will |
| | | | safety risk | be secure from public access. |
| 4. 1 | Will the Project produce solid wastes during construction, ope | ration or dec | ommissioning? | |
| 4.1 | Spoil, overburden or mine wastes? | Yes | Construction will generate large volume of | No - all excavated material will be |
| | | | excavated spoil and overburden requiring disposal | used on site for fill and landscaping |
| 4.2 | Municipal waste (household and or commercial wastes)? | Yes | Construction personnel will generate some domestic | No - very limited volume |
| | | | waste requiring disposal to landfill | |
| 4.3 | Hazardous or toxic wastes (including radioactive wastes)? | No | n/a | n/a |
| 4.4 | Other industrial process wastes? | No | n/a | n/a |
| 4.5 | Surplus product? | No | n/a | n/a |
| 4.6 | Sewage sludge or other sludges from effluent treatment? | No | n/a | n/a |
| 4.7 | Construction or demolition wastes? | Yes | Construction will generate inert soils and sub soils | No – all excavated material will be |
| | | | requiring disposal | used on site for fill and landscaping |
| 4.8 | Redundant machinery or equipment? | Yes | Turbines have a operation life of typically 30-35 | Unknown – Confirm effect by |
| | | | years | assessment |
| 4.9 | Contaminated soils or other materials? | No | n/a | n/a |
| 4.10 | Agricultural wastes? | No | n/a | n/a |
| 4.11 | Any other solid wastes? | Yes | Construction will generate surplus peat soils | No – surplus peat soils will be stored |
| | | | requiring disposal | on site to facilitate habitat restoration |
| 5. \ | Will the Project release pollutants or any hazardous, toxic or n | oxious substa | ances to air? | |
| 5.1 | Emissions from combustion of fossil fuels from stationary or | No | n/a | n/a |
| | mobile sources? | | | |
| 5.2 | Emissions from production processes? | No | n/a | n/a |
| 5.3 | Emissions from materials handling including storage or | No | n/a | n/a |
| | transport? | | | |
| 5.4 | Emissions from construction activities including plant and | Yes | Construction vehicles and plant will generate minor | Unlikely – short temporary duration. |
| | equipment? | | emissions to the atmosphere | Confirm effect by assessment |
| 5.5 | Dust or odours from handling of materials including | Yes | Excavation activities will generate particulate | Unlikely– short temporary duration – |
| | construction materials, sewage and waste? | | emission to the atmosphere | localise effect. Confirm effect by |
| | | | | assessment |
| 5.6 | Emissions from incineration of wastes? | No | n/a | n/a |
| 5.7 | Emissions from burning of waste in open air (eg slash | No | n/a | n/a |
| | materials, construction debris)? | | | |



| No. | Questions to be considered in scoping | Yes/No/? | Which Characteristics of the Project Environment | Is the effect likely to be significant? | | |
|-----|--|---------------|--|--|--|--|
| | | | could be affected and how? | Why? | | |
| 5.8 | Emissions from any other sources? | No | n/a | n/a | | |
| 6. | Will the Project cause noise and vibrations or release of light, | heat energy o | or electromagnetic radiation? | | | |
| 6.1 | From operation of equipment eg engines, ventilation, | Yes | Construction vehicles and plant will generate noise | Unlikely– short temporary duration. | | |
| | crushers? | | | Confirm effect by assessment. | | |
| 6.2 | From industrial or similar processes? | Yes | Wind turbines during operation are a source of noise | Unlikely - distance to nearest sensitive | | |
| | | | | residential receptors circa 1km | | |
| | | | | Confirm effect by assessment | | |
| 6.3 | From construction or demolition? | Yes | Excavation activities during construction are a | Unlikely - distance to nearest sensitive | | |
| | | | potential noise source | residential receptors circa 1km | | |
| 6.4 | Franchistics and siling? | No. | Direction many has an entropy of family of an either | Confirm effect by assessment | | |
| 6.4 | From blasting or plling? | Yes | Blasting may be required for winning of on-site | Unknown - Confirm effect by | | |
| | | | niled | assessment | | |
| 6.5 | From construction or operational traffic? | Yes | Construction vehicles and plant will generate minor | Unlikely-short temporary duration | | |
| 0.5 | | 105 | emissions to the atmosphere | Confirm effect by assessment | | |
| 6.6 | From lighting or cooling systems? | No | n/a | n/a | | |
| 6.7 | From sources of electromagnetic radiation (consider effects | Yes | Proposed new On site substation | Unlikely - distance to nearest sensitive | | |
| | on nearby sensitive equipment as well as people)? | | | residential receptors circa 1km | | |
| | | | | Confirm effect by assessment | | |
| 6.8 | From any other sources? | No | n/a | n/a | | |
| 7. | 7. Will the Project lead to risk of contamination of land or water from releases of pollutants onto the ground or into sewers, surface water, groundwater, coastal waters or | | | | | |
| | the sea? | | | | | |
| 7.1 | From handling, storage, use or spillage of hazardous | Yes | Risk to water quality during construction phase from | Unlikely – materials and fuels will be | | |
| | substances or toxic materials? | | any uncontrolled fuel spills, concrete use etc | stored in designated areas which can | | |
| | | | | be suitably protected by appropriate | | |
| | | | | run-off containment and drainage | | |
| | | | | control system. Designated suitability | | |
| | | | | bunded concrete wash out area also | | |
| | | | | provided. Confirm effect by | | |
| 7.2 | From discharge of courses or other offluents (whether | No | | assessment | | |
| 1.2 | From discharge of sewage of other entuents (whether | NO | n/a | nya | | |
| 72 | Ry deposition of pollutants emitted to air onto the land or | No | n/a | n/a | | |
| 1.5 | into water? | NO | 11/0 | 11/0 | | |
| 7.4 | From any other sources? | No | n/a | n/a | | |
| 7.5 | Is there a risk of long term build up of pollutants in the | No | n/a | n/a | | |



| No. | Questions to be considered in scoping | Yes/No/? | Which Characteristics of the Project Environment | Is the effect likely to be significant? | | |
|-------|---|-----------------|---|---|--|--|
| | | | could be affected and how? | Why? | | |
| | environment from these sources? | | | | | |
| 8. W | ill there be any risk of accidents during construction or operation | tion of the Pro | oject which could affect human health or the environm | ent? | | |
| 8.1 | From explosion, spillages, fires etc from storage, handling, use or production or toxic substances? | No | n/a | n/a | | |
| 8.2 | From events beyond the limits of normal environmental protection eg failure of pollution control systems? | No | n/a | n/a | | |
| 8.3 | From any other causes? | No | n/a | n/a | | |
| 8.4 | Could the project be affected by natural disasters causing environmental damage (eg floods, earthquakes, landslip, etc)? | Yes | Development lands contain peat and bog soils and subsoils | Unlikely – Final wind farm infrastructure will be sited to eliminate risk. Peat Study required. | | |
| 9. W | ill the Project result in social changes, for example, in demogr | aphy, traditio | onal lifestyles, employment? | | | |
| 91 | Changes in population size, age, structure, social groups etc? | No | n/a | n/a | | |
| 9.2 | By resettlement of people or demolition of homes or communities or community facilities eg schools, hospitals, social facilities? | No | n/a | n/a | | |
| 9.3 | Through in-migration of new residents or creation of new communities? | No | n/a | n/a | | |
| 9.4 | By placing increased demands on local facilities or services eg housing, education, health? | No | n/a | n/a | | |
| 9.5 | By creating jobs during construction or operation or causing the loss of jobs with effects on unemployment and the economy? | Yes | Employment to be created during construction likely to be met locally with some employment opportunities during operation | Yes – would benefit local economy | | |
| 9.6 | Any other causes? | No | n/a | n/a | | |
| Quest | Question – Are there any other factors which should be considered such as consequential development which could lead to environmental effects or the potential for | | | | | |
| cumu | lative impacts with other existing or planned activities in the | locality? | | | | |
| 9.1 | Will the project lead to pressure for consequential development which could have significant impact on the environment eg more housing, new roads, new supporting industries or utilities, etc? | No | n/a | n/a | | |
| 9.2 | Will the project lead to development of supporting facilities, ancillary development or development stimulated by the project which could have impact on the environment eg: Supporting infrastructure (roads, power supply, waste or wastewater treatment, etc) | No | n/a | n/a | | |



| No. | Questions to be considered in scoping | Yes/No/? | Which Characteristics of the Project Environment could be affected and how? | Is the effect likely to be significant? Why? |
|-----|---|----------|---|---|
| | Housing development Future there is development | | | |
| | Extractive industriesOther? | | | |
| 9.3 | Will the project lead to after-use of the site which could have an impact on the environment? | No | n/a | n/a |
| 9.4 | Will the project set a precedent for later developments? | No | Area currently zoned for type of development proposed. Each project assessed on its own merits | n/a |
| 9.5 | Will the project have cumulative effects due to proximity to other existing or planned projects with similar effects? | Yes | A number of permitted neighbouring windfarms. Potential for cumulative traffic and visual effects. | Probably - landscape with high sensitivity and value rating. Confirm effect by assessment |