Appendix H: Cumulative Impact Assessment

February 2020

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# H1 SOURCES OF CUMULATIVE IMPACT

Table H1.1 presents the associated facilities that have been screened in to the cumulative impact assessment, and Table H1.2 shows the third-party developments that have been screened in to the cumulative impact assessment based on the criteria defined in Section 5 of the ESIA.

### Table H1.1 Screened-In Associated Facilities

| ID <sup>1</sup> | Project         | Proponent              | Description  | Reference <sup>2</sup>   |
|-----------------|-----------------|------------------------|--|--|
|                 |                 |                        | <ul> <li>Tilenga Project comprises a field development that will supply oil to the Tilenga feeder pipeline.</li> <li>Field Development</li> <li>Six production fields within which 412 wells (190 producers, 190 water injectors and 32 observation wells) from 34 well pads</li> <li>Production and injection network of buried pipelines to transport oil, gas and produced water extracted from the producing wells to the CPF and injection water to the well pads from the CPF and Lake Albert. The network will include a</li> </ul>   | Information received<br>from the Tilenga<br>Project, including<br>EA-1/EA-1A & EA-2<br>North Project – ESIA<br>Scoping<br>Report/Terms of<br>Reference, 2015 |
| AF01            | Tilenga Project | Total E&P<br>Uganda BV | <ul> <li>tunnelled (via horizontal directional drilling) section under the Victoria Nile</li> <li>The Industrial Area, containing <ul> <li>190,000 BOPD capacity CPF, including electrical power generation, oil heating facility and a pump station for the Tilenga feeder pipeline. From the CPF, the treated and stabilised oil will be sent to the oil export system via Tilenga feeder pipeline and gas will be used for power generation</li> <li>auxiliary facilities including permanent operation and security camps, maintenance facilities and offices, and integrated waste management area</li> </ul> </li> <li>Water abstraction system from Lake Albert for reinjection at the well pads to maintain production pressure</li> <li>Victoria Nile ferry crossing facility</li> <li>New access roads</li> <li>In addition to the above, the project will upgrade and use existing Tangi Operation Support Base, Bugungu Airstrip and a number of roads.</li> <li>During construction, the project will require the following temporary facilities:</li> <li>Buliisa and Bugungu construction camps (existing facilities originally constructed to support exploration activities)</li> <li>Temporary camp and construction facilities at the Industrial Area</li> <li>Temporary facilities at the Tangi construction support base</li> </ul> | Tilenga Feeder<br>Pipeline ESIA, 2018  |

### Table H1.1 Screened-In Associated Facilities

| ID <sup>1</sup> | Project                   | Proponent | Description   | Reference <sup>2</sup>   |                      |
|-----------------|---------------------------|-----------|---|--|----------------------|
|                 |                           |           | Masindi vehicle check point.  |  |                      |
|                 |                           |           | Feeder Pipeline   |  |                      |
|                 |                           |           | The feeder pipeline is a 95 km long, 24-indiameter, insulated, electrically trace heated, buried pipeline from the Tilenga central processing facility (CPF), Buliisa to pumping station-1 (PS1) at Kabaale Industrial Park.                      |  |                      |
|                 |                           |           | The pipeline will have several aboveground installations, namely four standalone main line block valve station and one main block valve station combined with an electric substation, all located in the pipeline operational right of way (RoW). |  |                      |
|                 |                           |           | In the construction phase, the project will have one main construction camp and pipe yard at KP44, and 3.7 km of new or upgraded construction facility access roads.  |  |                      |
|                 |                           |           | At the time of writing, exact construction timeframes are not confirmed.  |  |                      |
|                 |                           |           | The Kingfisher oil project is on the southeast shoreline of Lake Albert and will consist of the following components:   |  |                      |
|                 |                           |           | • The Kingfisher Development Area (KFDA) mainly on the Buhuka Flats:  |  |                      |
|                 |                           |           |   | • four onshore well pads with total of 31 wells (20 producer wells and 11 water injection wells) | Information received |
|                 |                           |           | • produced well fluids will be conveyed to the CPF through the buried infield flowlines.  | from the Kingfisher<br>project, including  |                      |
| AF02            | Kingfisher Oil<br>Project | CNOOC     | • CPF which includes oil separators, water treatment facilities, a water injection unit, a gas processing unit, an LPG unit, oil storage tanks and power generation.  | Scoping Report for the ESIA for  |                      |
|                 |                           |           | Feeder pipeline   | Kingfisher Discovery   |                      |
|                 |                           |           | • 46 km,12 to 14-inch in diameter, insulated, trace heated, buried feeder oil pipeline from the CPF to a delivery point in the Kabaale Industrial Park  | Area, 2014   |                      |
|                 |                           |           | • At the delivery point, there will be metering of the crude oil, which will be piped to the refinery or, as required, exported through the EACOP line  |  |                      |
|                 |                           |           | An MCPY is located at approximately KP27  |  |                      |

#### Table H1.1 Screened-In Associated Facilities

| ID <sup>1</sup> | Project | Proponent | Description   | Reference <sup>2</sup> |
|-----------------|---------|-----------|---|------------------------|
|                 |         |           | <ul> <li>supporting facilities including construction and permanent camps, material yards, a jetty, an airstrip and roads</li> <li>Access roads will be used for the development area and the feeder pipeline.</li> <li>The permanent right of way will be 10 m wide. Grazing of stock over the right of way will be permitted, but cultivation and settlement will be prohibited.</li> </ul> |                        |
|                 |         |           | At the time of writing, exact construction timeframes are not confirmed.  |                        |

NOTES: <sup>1</sup> The ID number is used to identify developments in the cumulative impact assessments in Section 8.

<sup>2</sup> This column lists the sources of information received on the development. This information has been used to identify and assess the impacts of the development in the cumulative impact assessments in Section 8.

| ID <sup>1</sup> | Project  | Proponent | District | Nearest<br>KP | Approximate<br>Distance From<br>Pipeline (km) | Description  | Reference <sup>2</sup>        |
|-----------------|--|-----------|----------|---------------|---|--|-------------------------------|
| UG0A            | Electricity<br>transmission<br>line from the<br>Tilenga<br>Project CPF<br>to Kabaale | UETCL     | Hoima    | 0             | 0   | <ul> <li>A 132-kV transmission line from the Tilenga project to the Kabaale Industrial Park. The line will evacuate excess power generated at the Tilenga Project CPF and import power to the Tilenga Project CPF when excess gas is reduced or depleted. The line will also be used to provide power to the Kabaale Industrial Park and surrounding areas. The transmission line is likely to be supported by steel towers.</li> <li>Installation of this type of transmission line typically involves:</li> <li>clearance of the right of way</li> <li>installation of power stations</li> <li>stringing of the overhead transmission line.</li> <li>A preliminary route is available at time of writing.</li> </ul> | Tilenga Project<br>shapefiles |

| ID <sup>1</sup> | Project                             | Proponent  | District | Nearest<br>KP | Approximate<br>Distance From<br>Pipeline (km) | Description  | Reference <sup>2</sup>  |
|-----------------|-------------------------------------|--|----------|---------------|---|--|---|
| UG04            | Kabaale<br>International<br>Airport | Uganda Civil<br>Aviation<br>Authority<br>(UCAA) and<br>International<br>Civil Aviation<br>Organisation<br>(ICAO) | Hoima    | 0             | 1.6   | The primary objective of Kabaale<br>International Airport is to provide air access<br>to the Kabaale region and particularly to<br>provide capacity for large cargo aircraft<br>which will bring in equipment and tools for<br>construction of the refinery and<br>petrochemical plants. Subsequently, it is<br>expected that the airport will offer passenger<br>services domestically and internationally.<br>The airport's runway will be 3500 m long<br>and 75 m wide and be constructed within<br>the 29-km <sup>2</sup> area of land already acquired for<br>the Kabaale Industrial Park.<br>Approximately 174 acres of the land will be<br>required for the airport facilities including the<br>runway, air traffic control tower, fuel farm<br>and terminal buildings.<br>Between 50 and 4000 workers will be hired<br>over a 3 year construction period. A<br>workers' camp site will be established within<br>the site boundary for the construction<br>phase. | ESIA for the<br>Proposed<br>Kabaale<br>International<br>Airport, 2016 |

| ID <sup>1</sup> | Project  | Proponent   | District | Nearest<br>KP | Approximate<br>Distance From<br>Pipeline (km) | Description  | Reference <sup>2</sup>  |
|-----------------|--|---|----------|---------------|---|--|---|
| UG05            | Transmission<br>lines to<br>Kabaale<br>Airport | Uganda<br>Electricity<br>Transmission<br>Company<br>Limited (UETCL) | Hoima    | КР<br>12      |   | Two 33-kV transmission lines associated<br>with the Kabaale Airport (see UG04).<br>The power lines will be constructed within a<br>10m corridor (way leave) from the road<br>reserve and require a 5 m RoW.<br>Power transmission line 1 will start from<br>Hydromax dam (Kabalega hydropower<br>station) through Kaiso-Tonya road to the<br>airport site. The total distance of this line<br>along the existing road network is 24 km.<br>Power transmission line 2 will start in<br>Kiziranfumbi and follow the Kiziranfumbi-<br>Kabaale road to the airport site for<br>approximately 18 km.<br>The two power transmission lines will be 33 | ESIA for two 33<br>kV Power<br>Transmission<br>Lines for the<br>Proposed<br>Kabaale<br>International<br>Airport, 2016 |
|                 |  |   |          |               |   | kV bare conductor overhead lines<br>connected on wooden poles.<br>Construction involves clearance of the 10 m<br>corridor, installation of the poles and<br>conductor stringing.   |   |
|                 |  |   |          |               |   | The project is expected to have a construction workforce of about 20 people, of which half will be casual labourers.   |   |

| Uq | anda | ESIA |
|----|------|------|

| ID <sup>1</sup> | Project                      | Proponent               | District | Nearest<br>KP | Approximate<br>Distance From<br>Pipeline (km) | Description  | Reference <sup>2</sup>   |
|-----------------|------------------------------|-------------------------|----------|---------------|---|--|--|
| UG07            | Refinery                     | Government of<br>Uganda | Hoima    | 0             | 0   | 60,000 barrel per stream day hydrocracker<br>and coker refinery at Kabaale within the 29-<br>km <sup>2</sup> area of land already acquired for the<br>Kabaale Industrial Park<br>Key project components will include a<br>tankage area, process units, utilities,<br>buildings, flare area and expansion area. | Environmental<br>Baseline Report<br>for the Proposed<br>Oil Refinery |
| UG08            | Hoima–<br>Buloba<br>Pipeline | Government of<br>Uganda | Hoima    | 4.5           | 127.2m  | 210-km pipeline for transporting refined<br>petroleum products from the refinery in<br>Hoima (see UG07) to the distribution<br>terminal in Buloba, Kampala.<br>Part of the Kampala–Mpigi pipeline corridor   | Ramboll Group<br>website   |

| ID <sup>1</sup> | Project  | Proponent                                    | District                 | Nearest<br>KP | Approximate<br>Distance From<br>Pipeline (km) | Description   | Reference <sup>2</sup>   |
|-----------------|--|--|--------------------------|---------------|---|---|--|
| UG19            | Lot 4 critical<br>oil road<br>upgrades:  | Uganda National<br>Roads Authority<br>(UNRA) | Hoima                    | 3, 12         | Crosses the<br>pipeline at<br>KP12            | <ul> <li>The proposed upgrade of the following roads in:</li> <li>R4 (Kabaale–Kiziranfumbi, 26 km)</li> <li>R5 (Kaseeta Lwera via Bugoma Forest, 16 km)</li> <li>R7 (Hohwa-Kyarushesha-Karokarungi, 25 km).</li> <li>The roads will be upgraded from gravel to paved standard covering a total distance of 67km. The carriageway will be increased from 4.5 m to a maximum of 12 m. The roads will have a maximum RoW of 50 m.</li> </ul> | ESIA for the<br>Proposed<br>Upgrade of Lot 4<br>Critical Oil<br>Roads, 2017        |
| UG20            | Lot 5 critical<br>oil road<br>upgrades:<br>Buhimba–<br>Nyalweyo–<br>Kakindo–<br>Kakumiro<br>road upgrade | Uganda National<br>Roads Authority<br>(UNRA) | Hoima<br>and<br>Kakumiro | 39.5          | Crosses the pipeline                          | Upgrade of the 93-km Buhimba–Nyalweyo–<br>Kakindo–Kakumiro road from gravel to<br>bitumen with a 30–50m RoW.<br>Approximately 75% of the proposed road<br>follows the existing alignment with minor<br>inclinations to the left or right hand side of<br>the existing road and the increase in the<br>RoW.<br>This forms Lot 5 and 6 of the critical oil<br>roads project.  | ESIS for the for<br>the Buhimba-<br>Nalweyo-<br>Kakindo-<br>Kakumiro road,<br>2017 |

| ID <sup>1</sup> | Project   | Proponent  | District | Nearest<br>KP | Approximate<br>Distance From<br>Pipeline (km) | Description   | Reference <sup>2</sup>  |
|-----------------|---|--|----------|---------------|---|---|---|
| UG21            | Construction<br>camp for<br>Bulima –<br>Kabwoya<br>road | China Railway<br>Number Five<br>Engineering<br>Group Co., Ltd. | Hoima    | 19            | 3.3   | Construction of 4.4-acre contractor's camp<br>for 30 workers and equipment yard for the<br>Bulima-Kabwoya road upgrade (see UG22).<br>Camp will be fenced and will include<br>housing units, bathroom facilities, kitchen,<br>storage yard, workshop, parking yard and<br>water tanks.<br>Over 50 people are anticipated to be<br>employed during the construction of the<br>camp.  | Project Brief for<br>the Proposed<br>Workers Camp<br>and Equipment<br>Yard, 2017                                |
| UG22            | Bulima –<br>Kabwoya<br>road upgrade                     | Uganda National<br>Roads Authority<br>(UNRA)                   | Hoima    | 19 & 25       | Crosses the export pipeline                   | <ul> <li>Upgrade of 66-km Bulima-Kabwoya road<br/>from gravel to bitumen. The road is divided<br/>into two sections of 3.5-m carriageway and<br/>1.5-m shoulder:</li> <li>1. 22 km from Hoima town (Kinubi village)<br/>to Bulima village</li> <li>2. 44 km from Hoima town to Kabwoya<br/>village.</li> <li>The government of Uganda, African<br/>Development Bank (AfDB) and Department<br/>of International Development (DFID) fund<br/>this project.</li> </ul> | Project Brief for<br>the Proposed<br>Workers Camp<br>and Equipment<br>Yard, 2017                                |
| UG34            | Transmission<br>line<br>extension                       | Rural<br>Electrification<br>Agency                             | Mubende  | 133           | Crosses the pipeline                          | The proposed grid extension project covers<br>a distance of 95 km of 33-kV overhead<br>lines, 52.2 km of low-voltage network and<br>27 distribution transformers with a total<br>installed capacity of 1,550 kVA serving at   | Project Brief for<br>the Proposed<br>33kV Electricity<br>Distribution Grid<br>Extension Lines<br>and Associated |

| ID <sup>1</sup> | Project | Proponent | District | Nearest<br>KP | Approximate<br>Distance From<br>Pipeline (km) | Description  | Reference <sup>2</sup>        |
|-----------------|---------|-----------|----------|---------------|---|--|-------------------------------|
|                 |         |           |          |               |   | least 23 load centres including towns, or rural growth centres or villages.  | Low Voltage<br>Networks, 2014 |
|                 |         |           |          |               |   | The project covers the subcounties of<br>Kiganda, Kitenga, Kigando, Kasambya,<br>Nabingola and Kibalinga. The subcounty<br>traversed by EACOP is Kitenga in Mubende<br>district.   |                               |
|                 |         |           |          |               |   | The 33kv power lines will be constructed<br>with 12 m high creosote treated wooden<br>poles, with an average spacing of 110m.<br>Approximately 850, 12 m wooden poles will<br>be required for the 33kv line. The LV<br>distribution network will require<br>approximately 1300, 10m wooden poles.<br>The distance between poles for the LV<br>distribution is 50m maximum. |                               |
|                 |         |           |          |               |   | Construction activities will include:  |                               |
|                 |         |           |          |               |   | <ul><li> RoW clearance</li><li> Installation of poles</li><li> Conductor stringing.</li></ul>  |                               |
|                 |         |           |          |               |   | Maximum construction workforce requirement is 30 people.   |                               |
|                 |         |           |          |               |   | Although it is hoped that the power lines run<br>along the road reserves i.e. the strip of land<br>at the side of a road where it is prohibited to<br>use the land, in some cases the lines may<br>not strictly go along the road reserve  |                               |

| ID <sup>1</sup> | Project                           | Proponent                                  | District | Nearest<br>KP | Approximate<br>Distance From<br>Pipeline (km) | Description   | Reference <sup>2</sup>  |
|-----------------|-----------------------------------|--|----------|---------------|---|---|---|
|                 |                                   |  |          |               |   | Part of the World Bank funded Energy for<br>Rural transformation Project Phase III<br>project.  |   |
| UG38            | Gold mine                         | Zhong Quan Ltd                             | Mubende  | 98.5          | 29.6  | A 5-acre open cast gold mine in the hills of<br>Kamusenene Village, Kitumba subcounty,<br>Mubende District.<br>There is an existing access road therefore<br>the company will not make big changes to<br>the existing infrastructure. Workers will be<br>housed in rented accommodation or will<br>commute from home.   | EIS for a<br>Proposed Gold<br>Mine, 2017                                      |
| UG39            | Gold<br>processing<br>plant       | Kisita Mining<br>Company<br>Limited (KMCL) | Mubende  | 104           | 7.9   | A gold processing plant on 0.873-ha of land<br>for the existing gold mine in the Namwasa<br>forest reserve.<br>Ore that contains gold will be extracted from<br>the ground using open pit mining methods,<br>and will be processed on-site to be sold.<br>On-site facilities will include: ore crusher,<br>ore processing plant, tailings storage facility,<br>topsoil and overburden stockpiles,<br>laboratory and administration buildings, fuel<br>storage and internal roads. | ESIS for the<br>Proposed New<br>Gold Processing<br>Plant, 2015                |
| UG41            | Kyotera–<br>Rakai road<br>upgrade | UNRA                                       | Rakai    | 258           | Crosses the pipeline                          | Upgrade of 20 km of the Kyotera–Rakai<br>road to bitumen. The road will have a RoW<br>of between 30-50 m inclusive of a 7 m-wide<br>carriageway (two 3.5-m lanes) and 1.5 m-<br>wide shoulders.   | ESIS for the<br>proposed<br>upgrade of<br>Kyotera–Rakai<br>road, Critical Oil |

| ID <sup>1</sup> | Project               | Proponent                     | District | Nearest<br>KP                 | Approximate<br>Distance From<br>Pipeline (km) | Description  | Reference <sup>2</sup>   |
|-----------------|-----------------------|-------------------------------|----------|-------------------------------|---|--|--|
|                 |                       |                               |          |                               |   | This forms Lot 2 of the critical oil roads project.  | Roads Project<br>Lot 2, 2017   |
| UG44            | ICT<br>infrastructure | Government of<br>Uganda (GoU) | National | 223,<br>223.5<br>and<br>269.5 | Crosses the pipeline                          | 1536.39 km of buried optical fibre cable to<br>be laid across the country to build the<br>National Data Transmission Backbone. | Second National<br>Development<br>Plan (NDPII)<br>2015/16 –<br>2019/20 |

NOTES: <sup>1</sup> The ID number is used to identify developments in the cumulative impact assessments in Section 8.

<sup>2</sup> This column lists the sources of information received on the development. This information has been used to identify and assess the impacts of the development in the cumulative impact assessments in Section 8.

# H2 LOCATION OF SCREENED-IN THIRD-PARTY DEVELOPMENTS

Figure H2.1 presents the location of the screened-in associated facilities and thirdparty developments in Uganda.

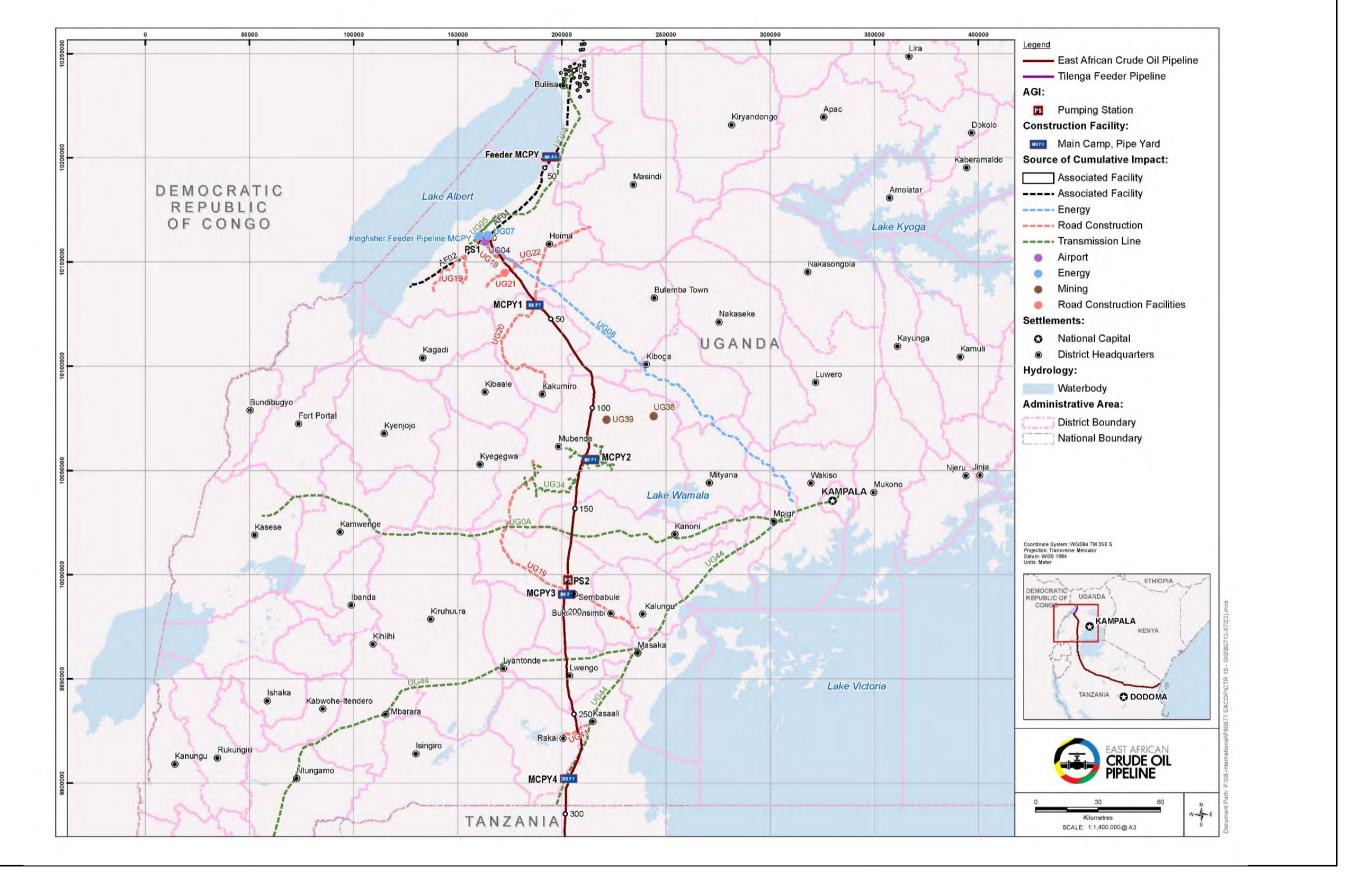


Figure H2.1 Screened-In Third-Party Developments in Uganda

# H3 CUMULATIVE IMPACTS ASSESSMENT SCREENING MATRICES

Table H3.1 present the cumulative impacts and assessment screening matrix for associated facilities and the EACOP project, and Table H3.2 presents the matrix for third party developments and the EACOP project.

The assessment screening categories are described in Section 5.6.2.5 and 8.1.2 and presented below in Table H3.1 and Table H3.2.

| Table H3.1 Cumulative Impacts Assessment Matrix: Associated Facilitie | <b>Cumulative Impacts Assessment Matrix: Associated Fac</b> | ilities |
|---|---|---------|
|---|---|---------|

|   | Source of Cumu          | lative Impact                     |   |  |  |  |  |  |  |
|---|-------------------------|-----------------------------------|---|--|--|--|--|--|--|
| VEC   | AF01<br>Tilenga Project | AF02<br>Kingfisher Oil<br>Project | Rationale for Screening in to the CIA <sup>1</sup>  |  |  |  |  |  |  |
| Biodiversity  |                         |                                   |   |  |  |  |  |  |  |
| Habitats of conservation importance                                       |                         |                                   | No interactions identified, therefore no cumulative impact.   |  |  |  |  |  |  |
| Flora and fauna species of conservation                                   |                         |                                   |   |  |  |  |  |  |  |
| Chimpanzees in the broad landscape  | Category 3              | Category 3                        | Industrial activity in the Albertine Graben is leading to increased pressure on the land resulting in dis chimpanzees live. However, with the mitigation measures proposed by EACOP and the AFs, the correct of the second |  |  |  |  |  |  |
| Legally protected, internationally or nationally recognised onshore areas |                         |                                   | There are no cumulative impacts identified that are likely to affect the integrity or ecological function   |  |  |  |  |  |  |
| Physical Environment  | ·                       |                                   |   |  |  |  |  |  |  |
| Soil  | Category 3              | Category 3                        | Potential cumulative impact on soil around KP0, where the EACOP project and the Tilenga and King manifold at PS1. The overlapping AOI is limited in extent and therefore the EACOP contribution to re-  |  |  |  |  |  |  |
| Surface water: Wambabya River crossing                                    |                         | Category 3                        | Potential cumulative impact on an ephemeral tributary of the Wambabya River from EACOP perman<br>feeder pipeline resulting in reduced water quality owing to increased suspended sediment concentra<br>chemicals.<br>Both projects have committed to reinstatement and therefore the contribution to a residual cumulativ   |  |  |  |  |  |  |
| Surface water: Abstraction  |                         |                                   | No interactions identified, therefore no cumulative impact.   |  |  |  |  |  |  |
| Groundwater: Abstraction  |                         |                                   | No interactions identified, therefore no cumulative impact.   |  |  |  |  |  |  |
| Groundwater: Discharge  | Category 3              | Category 3                        | Potential cumulative impact on groundwater around KP0, where the EACOP project and the Tilenga<br>the manifold at PS1. Potential cumulative impacts are from accidental releases of contaminants whic<br>construction and operation of the projects where activities are undertaken above the same aquifer. T<br>deterioration of groundwater quality.<br>Any potential releases of contaminants are likely to be small in volume, localised to the working area  |  |  |  |  |  |  |
|   |                         |                                   | observable, allowing immediate emergency spill response actions. The projects will implement pollu contribution to a residual cumulative impact is negligible.  |  |  |  |  |  |  |
| Landscape   | Category 1              | Category 1                        | Potential cumulative impacts are predicted on landscape character and visual receptors where PS1 pipelines around KP0. See Section 8.8.6.   |  |  |  |  |  |  |
| Air quality   | Category 1              | Category 1                        | Potential cumulative impact on air quality around KP0, where the EACOP, and the Tilenga and King<br>manifold at PS1. Construction of the EACOP project and the AFs will generate dust resulting in cum<br>quality. See Section 8.9.6.   |  |  |  |  |  |  |
| Acoustic environment  | Category 1              | Category 1                        | Construction activities may incrementally temporarily affect the local acoustic environment where the around PS1. See Section 8.10.6.   |  |  |  |  |  |  |
| Climate   |                         |                                   | The climate VEC has a global AOI and in effect, every source of GHG emissions is a source of cum  |  |  |  |  |  |  |

<sup>1</sup> Category definitions:

- Category 1: High risk of potential cumulative impacts and the EACOP project is an important contributor to the cumulative impacts on a VEC.
- Category 2: High risk of potential cumulative impacts but the EACOP project is a small contributor to the cumulative impacts on a VEC.
- Category 3: The residual EACOP project impacts have a limited contribution to cumulative impacts.

disturbance to the forests where the contribution to cumulative impacts are negligible.

on of a protected area.

ingfisher feeder pipelines converge at the presidual cumulative impacts is negligible.

anent access road to PS1 and the Tilenga trations and the accidental release of oil and

tive impact is negligible.

ga and Kingfisher feeder pipelines converge at hich may migrate to the groundwater during the r. This will lead to localised short-term

ea or plant being used and readily visually ollution prevention measures and therefore the

S1 is close to the Tilenga and Kingfisher feeder

ngfisher feeder pipelines converge at the imulative temporary deterioration of local air

the EACOP project and the AF AOIs overlap

mulative impact. See Section 8.23.5.

|  | Source of Cumu          | lative Impact                     |   |  |  |  |  |  |  |  |
|--|-------------------------|-----------------------------------|---|--|--|--|--|--|--|--|
| VEC                                    | AF01<br>Tilenga Project | AF02<br>Kingfisher Oil<br>Project | Rationale for Screening in to the CIA <sup>1</sup>  |  |  |  |  |  |  |  |
| Socio-economic and Health              |                         |                                   |   |  |  |  |  |  |  |  |
| Local economy                          | Category 1              | Category 1                        | Cumulative impacts are predicted on employment and economic development. See Section 8.12.6.  |  |  |  |  |  |  |  |
| Land-based livelihoods                 | Category 1              | Category 1                        | Cumulative impacts are predicted from the loss of land. See Section 8.13.6.   |  |  |  |  |  |  |  |
| River and lake-based livelihoods       |                         |                                   | No interactions identified, therefore no cumulative impact.   |  |  |  |  |  |  |  |
| Land and property                      | Category 1              | Category 1                        | Cumulative impacts are predicted from land speculation and conflicts. See Section 8.15.6.   |  |  |  |  |  |  |  |
| Workers' health, safety and welfare    |                         |                                   | No interactions identified, therefore no cumulative impact.   |  |  |  |  |  |  |  |
| Social infrastructure and services     | Category 1              | Category 1                        | Cumulative impacts are predicted from increased traffic congestion on common transport routes. See  |  |  |  |  |  |  |  |
| Community health                       | Category 1              | Category 1                        | The combined use of transport routes by both EACOP and AFs increases the potential spread of con rest stops are known for being areas of potentially increased risk of sexually transmitted diseases (S |  |  |  |  |  |  |  |
| Community safety, security and welfare | Category 1              | Category 1                        | Cumulative impacts are predicted from PIIM from the EACOP project and the AFs and impacts on co climate in the PACs. See Section 8.19.6.  |  |  |  |  |  |  |  |
| Cultural heritage: Tangible            |                         |                                   | No interactions identified, therefore no cumulative impact.   |  |  |  |  |  |  |  |
| Cultural heritage: Intangible          |                         |                                   | No interactions identified, therefore no cumulative impact.   |  |  |  |  |  |  |  |

NOTES: Blue shading = Interaction. White shading = No interaction. Yellow shading = Transboundary VEC.

### EACOP Project Appendix H3: Cumulative Impacts Assessment Screening Matrices

See Section 8.17.6.

communicable diseases as main transport route (STDs). See Section 8.18.6.

community dynamics from changes in social

| Table H3.2 Cumulative Impacts Assessment Matrix: Third Party Developme |
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|                                     | Source                                   | of Pote                          | ential Cu                                | mulative | e Impac               | t                                   |                                     |  |                                |                                |           |                       |                               |                    | Interaction and Rationale for Scree  |
|-------------------------------------|--|----------------------------------|--|----------|-----------------------|-------------------------------------|-------------------------------------|--|--------------------------------|--------------------------------|-----------|-----------------------|-------------------------------|--------------------|--|
|                                     | UG0A                                     | UG04                             | UG05                                     | UG07     | UG08                  | UG19                                | UG20                                | UG21   | UG22                           | UG34                           | UG38      | UG39                  | UG41                          | UG44               |  |
| VEC                                 | Transmission Line<br>Tilenga CPF–Kabaale | Kabaale International<br>Airport | Transmission Lines to<br>Kabaale Airport | Refinery | Hoima–Buloba Pipeline | Lot 4 Critical Oil Road<br>Upgrades | Lot 5 Critical Oil Road<br>Upgrades | Construction Camp for<br>Bulima–Kabwoya Road | Bulima–Kabwoya Road<br>Upgrade | Transmission Line<br>Extension | Gold Mine | Gold Processing Plant | Kyotera-Rakai Road<br>Upgrade | ICT Infrastructure |  |
| Biodiversity                        |  |                                  |  |          |                       |                                     |                                     |  |                                |                                |           |                       |                               |                    |  |
| Habitats of conservation importance |  |                                  |  |          |                       |                                     |                                     |  |                                |                                |           |                       |                               |                    |  |
| - Kafu River                        |  |                                  |  |          |                       |                                     | Cat 3                               |  |                                |                                |           |                       |                               |                    | Potential cumulative impacts are preception of the proposed road upgrade Kafu River, its associated floodplain a KP37 and the road crosses the river of Potential cumulative impacts on the K from the riverbed, marginal habitat or construction of both projects. This car habitat (e.g., by smothering spawning affects to aquatic life (e.g., through smitters and plants which might form im Both projects have committed to soil measures and therefore the contribution   |
| - Salongo and Kawenda Rivers        |  |                                  |  |          |                       |                                     |                                     |  |                                |                                |           |                       | Cat 3                         | Cat 3              | Potential cumulative impacts are pre<br>Kawenda Rivers from the EACOP p<br>upgrade and the installation of burie<br>The pipeline and the road upgrade of<br>pipeline crosses the Kawenda River<br>crosses 0.89 km downstream.<br>Potential cumulative impacts are fro<br>riverbed, marginal habitat or ripariar<br>both projects. This can adversely af<br>smothering spawning habitat) and c<br>aquatic life (e.g., through smothering<br>and plants which might form importa<br>UNRA and EACOP have committed<br>control measures (an ESIA for the I0<br>writing) and therefore the contribution |

<sup>2</sup> Category definitions:

• Category 1: High risk of potential cumulative impacts and the EACOP project is an important contributor to the cumulative impacts on a VEC.

• Category 2: High risk of potential cumulative impacts but the EACOP project is a small contributor to the cumulative impacts on a VEC.

• Category 3: The residual EACOP project impacts have a limited contribution to cumulative impacts.

| eening in to the CIA <sup>2</sup>  |
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| edicted on aquatic habitats where the EACOP<br>ade between Buhimba and Kakumiro cross the<br>and wetlands. The project crosses the river at<br>1.5 km upstream from the pipeline crossing.<br>Kafu River are disturbance and mobilisation of silt<br>or riparian land and riverbanks from the<br>an adversely affect water quality, the physical<br>hg habitat) and can also cause sub-lethal or lethal<br>smothering aquatic flora and fauna including prey<br>mportant physical habitat components). |
| I management practices and pollution control ution to a residual cumulative impact is negligible.  |
| redicted on aquatic habitats in the Salongo and<br>project, the proposed Kyotera–Rakai road<br>ied fibre optic ICT infrastructure.<br>e cross the Salongo River at KP258. The<br>er at KP268.2 and the buried ICT infrastructure   |
| rom disturbance and mobilisation of silt from the<br>an land and river banks from the construction of<br>affect water quality, the physical habitat (e.g., by<br>can also cause sub-lethal or lethal affects to<br>ng aquatic flora and fauna including prey items<br>tant physical habitat components).   |
| ed to soil management practices and pollution<br>ICT infrastructure was not available at time of<br>ion to a residual cumulative impact is negligible.   |

### Table H3.2 Cumulative Impacts Assessment Matrix: Third Party Development Interactions

|   | Source                                   | of Pote                          | ential Cu                                | mulative | e Impact              |                                     |                                     |  |                                |                                |           |                       |                               |                    | Interaction and Rationale for Scre   |
|---|--|----------------------------------|--|----------|-----------------------|-------------------------------------|-------------------------------------|--|--------------------------------|--------------------------------|-----------|-----------------------|-------------------------------|--------------------|--|
|   | UG0A                                     | UG04                             | UG05                                     | UG07     | UG08                  | UG19                                | UG20                                | UG21   | UG22                           | UG34                           | UG38      | UG39                  | UG41                          | UG44               |  |
| VEC   | Transmission Line<br>Tilenga CPF–Kabaale | Kabaale International<br>Airport | Transmission Lines to<br>Kabaale Airport | Refinery | Hoima-Buloba Pipeline | Lot 4 Critical Oil Road<br>Upgrades | Lot 5 Critical Oil Road<br>Upgrades | Construction Camp for<br>Bulima–Kabwoya Road | Bulima–Kabwoya Road<br>Upgrade | Transmission Line<br>Extension | Gold Mine | Gold Processing Plant | Kyotera–Rakai Road<br>Upgrade | ICT Infrastructure |  |
| Flora and fauna species of<br>conservation importance                           |  |                                  |  |          |                       |                                     |                                     |  |                                |                                |           |                       |                               |                    |  |
| - Wambabya–Bugoma Corridor  |  | Cat 1                            | Cat 1                                    | Cat 1    | Cat 1                 | Cat 1                               |                                     |  |                                |                                |           |                       |                               |                    | The land between the Wambabya a<br>wildlife corridor for chimpanzees.<br>The linear projects will result in chir<br>reserves. Although the refinery and<br>corridor, their presence will cause in<br>which will exacerbate the existing h  |
| Legally protected, internationally<br>or nationally recognised onshore<br>areas |  |                                  |  |          |                       |                                     |                                     |  |                                |                                |           |                       |                               |                    | Potential cumulative impacts on hal<br>within protected areas are describe<br>cumulative impacts identified that a<br>function of a protected area.  |
| Physical Environment  |  |                                  |  |          |                       |                                     |                                     |  |                                |                                |           |                       |                               |                    |  |
| Soil  |  |                                  |  |          |                       |                                     | Cat 3                               |  |                                |                                |           |                       | Cat 3                         |                    | EACOP and the SCIs are dispersed<br>types and have relatively small foot<br>and therefore contribution to cumula   |
| Surface Water   |  |                                  |  |          |                       |                                     |                                     |  |                                |                                |           |                       |                               |                    |  |
| Wambabya River crossing   |  | Cat 3                            |  | Cat 3    | Cat 3                 |                                     |                                     |  |                                |                                |           |                       |                               |                    | Potential cumulative impacts are provided with mitigation the construction of the cons |
| Kafu River crossing   |  |                                  |  |          |                       |                                     | Cat 3                               |  |                                |                                |           |                       |                               |                    | The EACOP pipeline crosses the K<br>downstream, the Buhimba–Kakumi<br>Kafu River could potentially experie<br>stability and in water quality as a re<br>The vegetation in the channel and f<br>cumulative impacts are negligible   |
| Crossing of ephemeral<br>watercourses at KP189.2, 258<br>and 268.2              |  |                                  |  |          |                       | Cat 3                               |                                     |  |                                |                                |           |                       | Cat 3                         | Cat 3              | The lot 4 road upgrade crosses EA<br>KP189.2; the Kyotera–Rakai road u<br>an ephemeral watercourse at KP25<br>the same watercourse 0.8 km down   |

### EACOP Project Appendix H3: Cumulative Impacts Assessment Screening Matrices

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| and Bugoma Forest Reserves is an important  |
| impanzee movement disruption between the  |
| d the airport will not directly affect this wildlife increased traffic movement along the roads |
| habitat severance See Section 8.3.6.  |
| abitats and species of conservation importance<br>ed in Sections 8.2.6 and 8.3.6. There are no  |
| are likely to affect the integrity or ecological  |
|   |
|   |
| ed over a large area, across a variety of soil otprints, Overlapping AOIs are limited in extent |
| lative impacts are negligible.  |
|   |
| redicted on an ephemeral tributary of the   |
| ne permanent access road to PS1 at KP4.8, and a new pipeline, the Kabaale                       |
| nd the Hoima-Buloba pipeline. Concurrent  |
| l water quality owing to increased suspended accidental release of oil and chemicals.           |
| cumulative impacts are negligible.  |
| Kafu River at KP36.5 and approximately 1.5 km   |
| niro road upgrade (UG20) crosses the river. The   |
| ence a direct transient reduction in channel esult of the construction of both projects.        |
| floodplain of the Kafu River means that the   |
| ACOP on a hillslope above a watercourse at  |
| upgrade crosses both the EACOP pipeline and 58; the ICT infrastructure installation crosses     |
| instream from EACOP KP268.2.  |
|   |

|                            | Source                                   | of Pote                          | ntial Cur                                | nulative | e Impact              | :                                   |                                     |  |                                |                                |           |                       |                               |                    | Interaction and Rationale for Scree   |
|----------------------------|--|----------------------------------|--|----------|-----------------------|-------------------------------------|-------------------------------------|--|--------------------------------|--------------------------------|-----------|-----------------------|-------------------------------|--------------------|---|
|                            | UG0A                                     | UG04                             | UG05                                     | UG07     | UG08                  | UG19                                | UG20                                | UG21   | UG22                           | UG34                           | UG38      | UG39                  | UG41                          | UG44               |   |
| VEC                        | Transmission Line<br>Tilenga CPF–Kabaale | Kabaale International<br>Airport | Transmission Lines to<br>Kabaale Airport | Refinery | Hoima-Buloba Pipeline | Lot 4 Critical Oil Road<br>Upgrades | Lot 5 Critical Oil Road<br>Upgrades | Construction Camp for<br>Bulima–Kabwoya Road | Bulima–Kabwoya Road<br>Upgrade | Transmission Line<br>Extension | Gold Mine | Gold Processing Plant | Kyotera–Rakai Road<br>Upgrade | ICT Infrastructure |   |
|                            |  |                                  |  |          |                       |                                     |                                     |  |                                |                                |           |                       |                               |                    | The stripping of vegetation and soils<br>and reduces water quality through so<br>or fuel from equipment and machine<br>UNRA and EACOP have committed<br>control measures (an ESIA for the IC<br>writing) and therefore the contributio  |
| Surface water: abstraction |  |                                  |  |          |                       |                                     |                                     |  |                                |                                |           |                       |                               |                    | No interactions identified, therefore r   |
| Groundwater: abstraction   |  |                                  |  | Cat 3    | Cat 3                 |                                     |                                     |  |                                |                                |           |                       |                               |                    | Simultaneous abstraction of groundy<br>Buloba pipeline may directly affect the<br>impact the local communities that re<br>EACOP and the SCIs will be require<br>licences which will include conditions<br>the contribution to a residual cumula   |
| Groundwater: discharge     |  | Cat 3                            |  | Cat 3    | Cat 3                 | Cat 3                               | Cat 3                               |  | Cat 3                          |                                | Cat 3     | Cat 3                 | Cat 3                         |                    | Potential cumulative impacts are from<br>may migrate to the groundwater during<br>developments where activities are un<br>lead to localised short-term deteriorate<br>Any potential releases of contaminant<br>to the working area or plant being us<br>immediate emergency spill response<br>residual cumulative impact is negligi |
| Landscape                  |  | Cat 2                            | Cat 2                                    | Cat 2    | Cat 2                 | Cat 2                               |                                     |  |                                |                                |           |                       |                               |                    | Potential cumulative impacts are pre<br>receptors where the PS1 and third p<br>industrialising of the area will be larg<br>perspectives, but the contribution of<br>See Section 8.8.6.  |
| Air quality                |  |                                  | Cat 1                                    |          | Cat 1                 | Cat 1                               | Cat 1                               |  | Cat 1                          | Cat 1                          |           |                       | Cat 1                         | Cat 1              | Construction of the EACOP project a<br>cumulative temporary deterioration of  |
| Acoustic environment       |  |                                  | Cat 1                                    |          | Cat 1                 | Cat 1                               | Cat 1                               |  | Cat 1                          | Cat 1                          |           |                       | Cat 1                         | Cat 1              | Construction activities may incremer<br>environment where the EACOP proj<br>8.10.6  |
| Climate                    |  |                                  |  |          |                       |                                     |                                     |  |                                |                                |           |                       |                               |                    | The climate VEC has a global AOI a is a source of cumulative impact. Se   |

# Table H3.2 Cumulative Impacts Assessment Matrix: Third Party Development Interactions

| creening in to the CIA <sup>2</sup>  |
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| soils at the crossing decreases channel stability<br>gh sediment suspension and accidental spills of oil<br>hinery.  |
| tted to soil management practices and pollution<br>ne ICT infrastructure was not available at time of<br>pution to a residual cumulative impact is negligible.   |
| ore no cumulative impact.  |
| undwater by EACOP, refinery and the Hoima–<br>ect the elevation of the water table and indirectly<br>at rely on groundwater.   |
| uired to apply for the necessary abstraction<br>tions to manage the groundwater, and therefore<br>nulative impact is negligible.   |
| e from accidental releases of contaminants which<br>during the construction and operation of the<br>re undertaken above the same aquifer. This will<br>rioration of groundwater quality.                   |
| ninants are likely to be small in volume, localised<br>g used and readily visually observable, allowing<br>onse actions therefore the contribution to a<br>gligible.                                       |
| e predicted on landscape character and visual<br>ind party development AOIs overlap. The overall<br>large in magnitude from the landscape and visual<br>n of EACOP and the associated facilities is small. |
| ect and the SCIs will generate dust resulting in of local air quality. See Section 8.9.6   |
| mentally temporarily affect the local acoustic project and the SCI AOIs overlap. See Section   |
| OI and in effect, every source of GHG emissions<br>. See Section 8.23.5  |
|  |

### Table H3.2 Cumulative Impacts Assessment Matrix: Third Party Development Interactions

|  | Source                                   | of Pote                          | ential Cur                               | mulative | e Impact              |                                     |                                     |  |                                |                                |           |                       |                               |                    | Interaction and Rationale for Scre  |
|--|--|----------------------------------|--|----------|-----------------------|-------------------------------------|-------------------------------------|--|--------------------------------|--------------------------------|-----------|-----------------------|-------------------------------|--------------------|---|
|  | UG0A                                     | UG04                             | UG05                                     | UG07     | UG08                  | UG19                                | UG20                                | UG21   | UG22                           | UG34                           | UG38      | UG39                  | UG41                          | UG44               |   |
| VEC                                    | Transmission Line<br>Tilenga CPF–Kabaale | Kabaale International<br>Airport | Transmission Lines to<br>Kabaale Airport | Refinery | Hoima-Buloba Pipeline | Lot 4 Critical Oil Road<br>Upgrades | Lot 5 Critical Oil Road<br>Upgrades | Construction Camp for<br>Bulima–Kabwoya Road | Bulima–Kabwoya Road<br>Upgrade | Transmission Line<br>Extension | Gold Mine | Gold Processing Plant | Kyotera–Rakai Road<br>Upgrade | ICT Infrastructure |   |
| Socio-economic and Health              |  |                                  |  |          |                       |                                     |                                     |  |                                |                                |           |                       |                               |                    |   |
| Local economy                          | Cat 1                                    | Cat 2                            | Cat 1                                    | Cat 2    | Cat 1                 | Cat 1                               | Cat 1                               | Cat 1  |                                | Cat 1                          |           |                       |                               | Cat 1              | Cumulative impacts are predicted o<br>See Section 8.12.6.2  |
| Land-based livelihoods                 | Cat 1                                    | Cat 2                            | Cat 1                                    | Cat 2    | Cat 1                 | Cat 1                               | Cat 1                               | Cat 2  |                                | Cat 1                          |           |                       |                               | Cat 1              | Cumulative impacts are predicted fr   |
| River and lake-based livelihoods       |  |                                  |  |          |                       |                                     | Cat 3                               |  |                                |                                |           |                       |                               |                    | <b>River-based Livelihoods</b><br>Potential cumulative impacts are proof on the Kafu River where the project<br>Buhimba and Kakumiro cross the river<br>around KP37.<br>The concurrent construction of the properties of the properties of the properties of the properties of the provide the providet the providet th |
| Land and property                      | Cat 1                                    | Cat 2                            | Cat 1                                    | Cat 2    | Cat 1                 | Cat 1                               | Cat 1                               | Cat 1  | Cat 1                          | Cat 1                          |           |                       | Cat 1                         | Cat 1              | Cumulative impacts are predicted fr 8.15.6.2  |
| Workers' health, safety and welfare    |  |                                  |  |          |                       |                                     |                                     |  |                                |                                |           |                       |                               |                    | No interactions identified, therefore   |
| Social infrastructure and services     |  | Cat 2                            |  | Cat 2    | Cat 1                 |                                     | Cat 1                               | Cat 1  | Cat 1                          |                                |           |                       |                               | Cat 1              | Cumulative impacts are predicted fr<br>transport routes. See Section 8.17.6   |
| Community health                       | Cat 1                                    | Cat 2                            | Cat 1                                    | Cat 2    | Cat 1                 | Cat 1                               | Cat 1                               | Cat 1  | Cat 1                          | Cat 1                          |           |                       |                               | Cat 1              | The combined use of transport route<br>potential spread of communicable of<br>known for being areas of potentially<br>diseases. See Section 8.18.6.2  |
| Community safety, security and welfare | Cat 1                                    | Cat 2                            | Cat 1                                    | Cat 2    | Cat 1                 | Cat 1                               | Cat 1                               | Cat 1  | Cat 1                          | Cat 1                          |           |                       |                               | Cat 1              | Cumulative impacts are predicted fr<br>SCIs and impacts on community dy<br>PACs. See Section 8.19.6.2   |
| Cultural heritage: tangible            |  |                                  |  |          |                       |                                     |                                     |  |                                |                                |           |                       |                               |                    | No interactions identified, therefore   |
| Cultural heritage: intangible          |  |                                  |  |          |                       |                                     |                                     |  |                                |                                |           |                       |                               |                    | No interactions identified, therefore   |

NOTES: Blue shading = Interaction. White shading = No interaction. Yellow shading = Transboundary VEC.

### EACOP Project Appendix H3: Cumulative Impacts Assessment Screening Matrices

| eening in to the CIA <sup>2</sup>  |
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| on employment and economic development.  |
|  |
| from the loss of land. See Section 8.13.6.2  |
|  |
| predicted on individuals and households that rely  |
| ct and the proposed road upgrade between river, its associated floodplain and wetlands             |
|  |
| project and the road upgrade may affect water  |
| quatic life in the river, affecting fish catches.  |
| ed to soil management practices and pollution<br>e contribution to a residual cumulative impact is |
| ·  |
| from land speculation and conflicts. See Section   |
|  |
| e no cumulative impact   |
| from increased traffic congestion on common<br>.6.2  |
| ites by both EACOP and SCIs increases the  |
| diseases as main transport route rest stops are ly increased risk of sexually transmitted          |
|  |
| from PIIM from the EACOP project and the   |
| lynamics from changes in social climate in the   |
|  |
| e no cumulative impact   |
| e no cumulative impact   |

# H4 SCREENED-OUT SOURCES OF CUMULATIVE IMPACT

Table H4.1 presents the associated facilities that have been screened out of the cumulative impact assessment, and Table H4.2 shows the third-party developments that have been screened out of the cumulative impact assessment based on the criteria defined in Section 5 of the ESIA.

#### Table H4.1 Screened-Out Associated Facilities

| ID   | Project   | Proponent (Where<br>Available)    | Description   |  |  |
|------|---|-----------------------------------|---|--|--|
| AF04 | Kaiso Tonya<br>development  | Tullow Oil Ltd                    | The Kaiso Tonya licence area on the central part<br>of the east shoreline of Lake Albert. Kaiso Tonya is<br>due to come online in approximately 10 years from<br>first oil in Uganda. It will also be a tie-back to the<br>Kingfisher Central Processing Facility.  |  |  |
|      |   |                                   | Screened out of the CIA because development is<br>not due until 2030 and is therefore not considered<br>reasonably foreseeable under the IFC guidelines.  |  |  |
| AF05 | Waste<br>management<br>facilities,<br>concrete<br>batching<br>plants and<br>borrow pits | Total East Africa<br>Midstream BV | <ul> <li>These facilities are considered associated facilities where they meet all the following criteria:</li> <li>facility was not in existence before the project or expanded because of the project</li> <li>facility is not viable as a business after the project.</li> <li>Locations are not currently defined and therefore screened out of CIA.</li> </ul> |  |  |

| Table H4.2 | Screened-Out Third-Party Developments |
|------------|---------------------------------------|
|------------|---------------------------------------|

| ID   | Project  | Proponent<br>(Where<br>Available)                         | Description   | Reason for Screening Out <sup>3</sup>  |
|------|--|---|---|--|
| UG01 | Piped water<br>systems                           | Not available   | Construction of piped water systems described in the subcounty development plans  | Subcounty chiefs and districts confirmed that, other than<br>the administrative boundaries for the proposed projects<br>presented in the development plans, specific locations are<br>only determined at the implementation phase, i.e., when<br>the budget has been approved and money allocated.<br>Coordinates and detailed information therefore not<br>available. |
| UG02 | Latrine<br>construction and<br>borehole drilling | Not available   | Latrine construction and borehole drilling  | Subcounty chiefs and districts confirmed that, other than<br>the administrative boundaries for the proposed projects<br>presented in the development plans, specific locations are<br>only determined at the implementation phase, i.e. when the<br>budget has been approved and money allocated.<br>Coordinates and detailed information therefore not<br>available.  |
| UG03 | Large-scale<br>farming<br>developments           | Oola Loilm Farm<br>and Amatheon<br>AGRI Uganda<br>Limited | Large-scale farming developments Oola<br>Lolim Farm and Amatheon AGRI Uganda<br>Limited, which together cover over 4000<br>acres of land located in Wii Anaka | No further information available. It was therefore not reasonably defined and thus screened out.   |
| UG06 | Airstrip upgrade                                 | Not available   | Airstrip upgrade at Pakuba  | There will be no development of the Pakuba airstrip, therefore not considered a source of cumulative impact.   |

<sup>3</sup> Screened-out developments did not meet the following criteria (as described in Section 5 Methodology):

- 1. Is the development reasonably defined, as described in IFC Performance Standard 1?
- 2. Is the development reasonably predictable or a foreseeable future development, as defined in the IFC CIA Handbook?
- 3. What is the nature of development?
- 4. Do the EACOP project VEC AOIs overlap with the third-party development AOIs?

| ID   | Project   | Proponent<br>(Where<br>Available)  | Description   | Reason for Screening Out <sup>3</sup>   |  |  |
|------|---|--|---|---|--|--|
| UG11 | Ecotourism<br>lodge                             | Uganda Jungle<br>Lodge Construction, installation and operation<br>Bugoma Jungle Lodge for the develop<br>of an ecotourism site in Kabwoya |   | EACOP project VEC AOIs unlikely to overlap with the SCI AOIs  |  |  |
| UG13 | Booma Ground<br>upgrade                         | Ministry of Land,<br>Housing and<br>Urban The beautification of Booma grounds,<br>Development,<br>Government of<br>Uganda                  |   | EACOP project VEC AOIs unlikely to overlap with the SCI AOIs  |  |  |
| UG14 | Abattoir  | Ministry of Land,<br>Housing and<br>Urban<br>Development,<br>Government of<br>Uganda   | Construction of a modern abattoir within<br>Hoima municipality funded by World Bank   | EACOP project VEC AOIs unlikely to overlap with the SCI<br>AOIs   |  |  |
| UG17 | Mubende–<br>Kakumiro–<br>Kibaale–Kagadi<br>road | Uganda National<br>Roads Authority<br>(UNRA)   | Construction of the proposed 113-km-long<br>Mubende–Kakumiro–Kibaale–Kagadi road<br>and 2 km of secondary town link roads in<br>each of the four towns.<br>The road will be constructed to class II<br>paving standard with an overall construction<br>width of 20–30 m.<br>Construction expected to take three years | EACOP project VEC AOIs unlikely to overlap with the SCI<br>AOIs   |  |  |
| UG25 | Waste facilities                                | Total EP<br>Uganda BV  | Waste facilities required for the Tilenga upstream development  | Adequate information to perform an assessment not available at the time of writing, therefore considered not reasonably defined |  |  |

| ID   | Project                                      | Proponent<br>(Where<br>Available)                              | Description   | Reason for Screening Out <sup>3</sup>                           |  |  |
|------|--|--|---|---|--|--|
| UG26 | Aggregate<br>washing and<br>storage facility | China Railway<br>Number Five<br>Engineering<br>Group Co., Ltd. | Temporary aggregate washing and material<br>stockpile area on Hoima–Bulima road in<br>Buhimba East Village to support the<br>upgrading of the Bulima–Kabwoya road (see<br>UG22) | EACOP project VEC AOIs unlikely to overlap with the SCI<br>AOIs |  |  |
|      |  |  | Construction of a 30-kW mini off-grid solar-<br>PV power generation plant in Sebagoro<br>Village, Kabwoya Subcounty. Footprint<br>required is 30 m × 30 m.                      |   |  |  |
|      |  |  | There will be no deforestation, relocation of facilities or resettlement required.  | EACOP project VEC AOIs unlikely to overlap with the SCI         |  |  |
|      |  |  | Construction will involve:  |   |  |  |
| UG29 | Solar photo-                                 | Cambridge<br>Clean Energy                                      | vegetation clearance  |   |  |  |
| 0929 | voltaic (PV)<br>plant                        | (CCC)  | <ul> <li>installation of the PV panels on piled<br/>supports</li> </ul>   | AOIs  |  |  |
|      |  |  | <ul> <li>trenching for buried AC/DC cables</li> </ul>   |   |  |  |
|      |  |  | <ul> <li>installation of 40-ft modified shipping<br/>container on concrete foundations to<br/>house battery and inverter</li> </ul>   |   |  |  |
|      |  |  | <ul> <li>pole intallation and cable stringing.</li> </ul>   |   |  |  |
|      |  |  | Project design life is minimum 10 years.  |   |  |  |
| UG31 | Access road construction                     | PA Technical<br>Services                                       | A 4.4-km access road to the Nkusi<br>Hydropower plant   | EACOP project VEC AOIs unlikely to overlap with the SCI AOIs    |  |  |
| UG32 | Sewage waste<br>disposal lagoon              | Hoima Regional<br>Referral Hospital                            | A proposed lagoon to treat and handle<br>sewage generated from the hospital under<br>aerobic conditions   | EACOP project VEC AOIs unlikely to overlap with the SCI AOIs    |  |  |

| ID   | Project   | Proponent<br>(Where<br>Available)                      | Description  | Reason for Screening Out <sup>3</sup>   |  |
|------|---|--|--|---|--|
| UG35 | Construction<br>camp for<br>Mubende–<br>Kakumiro–<br>Kibaale–Kagadi<br>road | China<br>Communications<br>Construction<br>Company Ltd | Construction of 39.54-acre construction<br>camp for the Mubende–Kakumiro–Kibaale–<br>Kagadi road works (see UG17).<br>The camp will comprise workers'<br>accommodation, toilet facilities, bitumen<br>stock area, bitumen heating facilities,<br>offloading and parking area for trucks.<br>The construction camp is expected to be in<br>place for three years. | EACOP project VEC AOIs unlikely to overlap with the SCI<br>AOIs   |  |
| UG36 | Standard Gauge<br>Railway   | Standard Gauge<br>Railway Uganda                       | The development of a standard gauge railway network, with a total length of 1614 km. An indicative route is available.   | It has been confirmed that the SGR will be built a long time<br>after the construction of the EACOP project, therefore the<br>AOIs will not overlap temporally. |  |
| UG37 | Ayago power<br>station  | UEGCL  | A proposed 840-MW power station along the<br>Victoria Nile at Ayago, upstream of<br>Murchison Falls National Park. UEGCL was<br>appointed by the Ministry of Energy and<br>Mineral Development as the implementing<br>agency working on behalf of the Government<br>of Uganda.   | EACOP project VEC AOIs unlikely to overlap with the SCI<br>AOIs   |  |
| UG40 | Solar-powered<br>boreholes for<br>water supply                              | Not available  | Three solar-powered boreholes have been<br>planned for Lwengo Town. 50,000-L storage<br>facilities are to be set up for communal use,<br>mainly on the grounds of clinics, churches<br>and schools and 50 boreholes will be<br>rehabilitated.  | No further information available therefore considered not reasonably defined or predictable   |  |

| ID   | Project   | Proponent<br>(Where<br>Available)  | Description   | Reason for Screening Out <sup>3</sup>   |
|------|---|--|---|---|
| UG42 | Piped water<br>system                             | National Water<br>and Sewerage<br>Corporation                            | Infrastructure service delivery plans and performance improvement programmes  | No further information available therefore considered not reasonably defined or predictable |
| UG43 | Waste treatment plants                            | Water and<br>Sanitation<br>Development<br>Facility- South<br>West Branch | Construction of faecal sludge treatment<br>plants (FSTP) around the large towns in<br>Rakai district, with collection and<br>transportation trucks stationed in the larger<br>towns and serving a cluster of small towns<br>as and when services are demanded.<br>The proposed FSTP site is in Kalagala<br>village, Kasaali subcounty, Rakai District.<br>The project is estimated to employ around<br>50 workers during the construction phase,<br>mostly local residents. | EACOP project VEC AOIs unlikely to overlap with the SCI<br>AOIs                             |
| UG45 | Kabaale–<br>Kampala road<br>capacity<br>expansion | GoU  | Upgrade and expansion of the existing road from Kabaale to Kampala  | EACOP project VEC AOIs unlikely to overlap with the SCI AOIs                                |