The information required in column one corresponds with the items in the Letter from the Department of Environmental Affairs (DEA) accepting the Final Scoping Report (FSR) and the Plan of Study for Environmental Impact Assessment (EIA) (please see Appendix A for the letter from DEA dated 17/10/2013). For ease of reference, some documents have been appended to this Additional Information Required by DEA document in an Appendix. Reference is also made to documents included in Annexures annexed to the Draft EIA Report (EIR).

| Nr | Information required | Where to find it in the report |
|----|--|--|
| 1 | All comments and recommendations made by all stakeholders and Interested and Affected | All comments received to date are included in the Comments and |
| | Parties (I&APs) in the Draft Scoping Report and submitted as part of the FSR must be taken into | Responses Report, included in Annexure B of the Draft EIR. All |
| | consideration when preparing a report in respect of the proposed development. | comments received were taken into consideration throughout the |
| | | preparation of the Draft EIR. |
| 2 | Please ensure that all mitigation measures and recommendations in the specialist studies are | Summaries of the specialist assessments, as well as all the proposed |
| | addressed and included in the final EIR and Environmental Management Programme (EMP). | mitigation measures, are included in Section 5 of the Draft EIR. The |
| | | specialists reports are included in Annexure D and all mitigation |
| | | measures are included in the Life-cycle EMP (Annexure E). |
| 3 | Please ensure that comments from all relevant stakeholders are submitted to the department | The following authorities and stakeholders are included as key |
| | with the Final Environmental Impact Report (EIR). This includes but is not limited to the Northern | stakeholders and received copies of the Draft EIR, as indicated in the |
| | Cape Department of Environmental Affairs and Nature Conservation, The Department of | report transmittal note: |
| | Agriculture, Forestry & Fisheries (DAFF), the South African Civil Aviation Authority (SACAA), the | |
| | Northern Cape Department of Transport, local and district municipalities, the Department of | !Kheis Local Municipality |
| | Water (DWA), the Department of Energy, the South African National Roads Agency Limited | Siyancuma Local Municipality |
| | (SANRAL), the South African Heritage Resources Agency (SAHRA), water and irrigation bodies, | Siyathemba Local Municipality |
| | farmers unions and the Square Kilometre Array (SKA). | Siyanda District Municipality |
| | | Groblershoop Public Library |
| | | DWA: Lower Orange Catchment Management Area |
| | | DWA: Hydrological Services |
| | | DWA: Chief Director Northern Cape |
| | | • SAHRA |

| Nr | Information required | Where to find it in the report |
|----|---|--|
| | | SAHRA Northern Cape |
| | | Northern Cape Provincial Heritage: Boswa ya Kapa Bokone |
| | | Department of Energy (Northern Cape): Regional Energy Director |
| | | Eskom Holdings Limited |
| | | The Department of Agriculture, Land Reform and Rural |
| | | Development |
| | | Department of Agriculture and Land Reform (Northern Cape) |
| | | • WESSA |
| | | Department of Environmental Affairs and Nature Conservation |
| | | The Department of Agriculture, Forestry & Fisheries, Square Kilometre Array, and the Department of Transport have been notified throughout the process. South African National Roads Agency Limited and the Civil aviation authority have also been included per the Departments request. Request for comment has been made and all comments received are |
| | | to be included in the Final EIA Report (please see Annexure B for a list of authorities). |
| | | All comments received on the Final EIR will be forwarded to DEA for final decision making. |
| 4 | Please be advised that the contact person for renewable projects at the SKA office is Dr Adrian | Noted. SKA has been included as a key stakeholder. |
| | Tiplady and he can be contacted on Tel: 011 442 2434 or Email: atiplady@ska.ac.za. | |
| 5 | You are also required to address all issues raised by organs of state and I&APS prior to the | All issues raised to date are recorded in the Comments and |
| | submission of the EIR to the Department. | Responses Report as included in Annexure B of the Draft EIR. |

| Nr | Information required | Where to find it in the report |
|----|---|--|
| | | All comments received on the Final EIR will be forwarded to DEA for final decision making. |
| 6 | Proof of correspondence with the various stakeholders must be included in the Final EIR. Should you be unable to obtain comments, proof should be submitted to the Department of the attempts that were made to obtain comments. | Proof of correspondence with Authorities and I&APs is included in Annexure B of the Draft EIR. |
| 7 | The Environmental Assessment Practitioner must, in order to give effect to Regulation 56(2), give registered I&APs access to, and an opportunity to comment on the report in writing within 21 days before submitting the final environmental impact assessment report to the Department. | Letters requesting comments were sent to all registered I&APs. In addition the Draft EIR will be made available at Groblershoop Public Library, at the offices of the Kheis Municipality in Groblershoop as well as on the Aurecon website. I&APs will also be afforded 21 days to comment on the Final EIR once the 40 day comment period on the Draft has lapsed. |
| 8 | Please ensure that the Final EIR includes at least one legible A3 regional map of the area and the site layout map to illustrate the positions and associated infrastructure. The maps must be of acceptable quality and as a minimum, have the following attributes: • Maps are relatable to one another; • Cardinal points • Co-ordinates • Legible legends • Indicate alternatives • Latest land cover • Vegetation types of the study area • A3 size locality map | Included in Annexure H. |

| Nr | Informa | ation required | Where to find it in the report |
|----|----------------|--|---|
| 9 | In addit I. | tion, the following additional information are required for the EIR: The EIR must provide an assessment of the impacts and mitigation measures for each of the listed activities applied for. | I. All impacts and mitigation measures have been considered and are described in section 5 of the Draft EIR. |
| | II. | Written comment from the provincial Department of Environmental Affairs indicating that the activities applied for under GNR 546 applies. In addition, a graphical representation of the proposed development within the respective geographical areas must be provided. | Graphical representation for the proposed project is included in Annexure H. A request to the Department of Environmental Affairs and Nature Conservation has been made to confirm the activities being applied for under GNR546. |
| | III. | Details of the future plans for the site and infrastructure after decommissioning in 20-30 years and the possibility of upgrading the proposed infrastructure to more advanced technologies. | III. Please see section 3.1.4 of the Draft EIR. |
| | IV. | The total footprint of the proposed development should be indicated. Exact locations of the infrastructure, power lines and associated should be mapped at an appropriate scale. | IV. The total footprints are indicated in section 3 of the Draft EIR. Final Site Layout map will be included in the Final EIR. |
| | V. | Should a Water use license be required, proof of application for a license needs to be submitted. | V. The Water Use Licence Applications have been applied for as a separate process to the EIA. |
| | VI. | Information on services required on the site, e.g. sewage, refuse removal, water and electricity. Who will supply these services and has an agreement and confirmation of capacity been obtained? Proof of these agreements must be provided. | VI. It should be noted that once the proposed project is operational, there would be a very limited requirement for municipal services. |
| | VII. | A copy of the final site layout map. All available biodiversity information must be used in | VII. Final site layout maps are provided in Annexure H of the EIR. |

EIA FOR THE PROPOSED HYDROPOWER STATION AT BOEGOEBERG DAM, ON THE ORANGE RIVER NEAR GROBLERSHOOP

ADDITIONAL INFORMATION REQUIRED BY THE DEA

| Nr | Information required | Where to find it in the report |
|----|--|--|
| | the finalisation of the layout map. Existing infrastructure must be used as far as possible e.g. roads. The layout map must indicate the following: Foundation footprint Permanent laydown area footprint Construction period laydown footprint Internal roads indicating width (construction period width and operation period width) and with numbered sections between the other site elements which they serve (to make commenting on sections possible) | See Table 3-1 for footprint and location for temporary and permanent infrastructure. No laydowns are required only the construction site which is indicated in Figure 23 of the EIR. |
| | Wetlands, drainage lines, rivers, stream and water crossing of roads and cables indicating the type of bridging structures that will be used The location of sensitive environment features on site e.g. CBAs, heritage sites, wetlands, drainage lines etc. that will be affected by the facility and its associated infrastructure Sub-station(s) and/or transformer(s) sites including their entire footprint Cable routes and trench dimensions (where they are not along internal roads) Connection routes (including pylon positions) to the distribution/transmission | The sensitive areas are indicated in the sensitivity map included in Annexure H. The location of the sub-station and transformers, cable routes and connection routes would be determined during the detailed design. However, the footprints would be limited to the assessed areas. |
| | network • Cut and fill areas at panel sites, along roads and at sub-station/transformer sites indicating the expected volume of each cut and fill | Cut and fill areas will be included in the Final EIR. |
| | Borrow pits Spoil heaps (temporary for topsoil and subsoil and permanently for excess material) | Borrow pits are shown in Figure 23 and described in section 3. Spoil is to be temporarily stockpiled and reused. The management of these stockpiles will be defined in the method statements which the ECO will approve prior to |

| Nr | Inform | ation required | Where to find it in the report |
|----|--------|---|---|
| | | All existing infrastructure on the site, especially roads | construction commencing. Existing infrastructure is indicated in the land cover map included in Annexure H of the Final EIR. |
| | | Buffer areas | The buffer areas are indicated in the sensitivity map included in Annexure H. |
| | | Building, including accommodation | Included in the final site layout maps to be included in Annexure H of the Final EIR. |
| | | All "no-go" areas | All no-go areas are indicated in the sensitivity map included in Annexure H. |
| | | | A botanical sensitivity map is included in Chapter 5 in the Draft EIR. |
| | VIII. | An environmental sensitivity map indicating environmental sensitive areas and features | VIII. The final layout maps superimposed on the environmental sensitivity maps will be included in Annexure H of the Final EIR. |
| | VIII. | identified during the EIA process. | IX. To be submitted with the Final EIR. |
| | IX. | A map combining the final layout map superimposed (overlain) on the environmental sensitivity map. | |
| | X. | A shapefile of the preferred development layout/footprint must be submitted to this Department. The shapefile must be created using the Hartebeesthoek 94 Datum and the data should be in Decimal Degree format using the WGS 84 Spheroid. The shapefile must include at a minimum the following extensions i.eshp; .shx; .dbf; .prj; | |

| Nr | Information required | Where to find it in the report |
|----|---|--------------------------------|
| | and, xml (Metadata file). If specific symbology was assigned to the file, then the .avl | |
| | and /or the .lyf file must also be included. Data must be mapped at a scale of 1:10 000 | |
| | (Please specify if an alternative scale was used). The metadata must include a | |
| | description of the base data used for digitizing. The shapefile must be submitted in a | |
| | zip file using the EIA application reference number as the title. | |
| | The shape file must be submitted to: | |
| | Postal Address: | |
| | Department of Environmental Affairs | |
| | Private Bag X447 | |
| | Pretoria | |
| | 0001 | |
| | Physical address: | |
| | Department of Environmental Affairs | |
| | Fedsure Forum Building (corner of Pretorius and Lillian Ngoyi Streets) | |
| | 4th Floor South | |
| | 315 Pretorius Street | |
| | Pretoria | |
| | 0002 | |
| | For Attention: Muhammad Essop | |
| | Integrated Environmental Authorisations | |
| | Strategic Infrastructure Developments | |
| | Telephone Number: (012) 395 1734 | |
| | Fax Number: (012) 395 7539 | |

| Nr | Information required | Where to find it in the report |
|----|---|---|
| | Email Address: (MEssop@environment.gov.za | |
| 10 | The Environmental Management Programme (EMP) to be submitted as part of the EIR must include the following: | The Life-cycle EMP, included in Annexure E of the Draft EIR includes the following: |
| | All recommendations and mitigation measures recorded in the EIR and the specialist studies conducted. | All recommendations and mitigation measures from the specialists and the EIR. |
| | II. The final site layout map. | II) The final site layout map will be included in the Final LEMP |
| | III. Measures as dictated by the final site layout map and micro-siting. | III) All specialists identified sensitive features to avoid. The planning recommendations made by the specialist would be considered during the detailed design of the facility and associated infrastructures. |
| | IV. An environmental sensitivity map indicating environmental sensitive areas and features identified during the EIA process. | IV) Environmental sensitivity map will be included in the LEMP. |
| | V. A map combining the final layout map superimposed (overlain) on the environmental sensitivity map. | V) Final layout map superimposed on the environmental sensitivity map will be included in the LEMP. |

| Nr | Nr Information required | | Where to find it in the report |
|----|-------------------------|--|---|
| | VI. | An alien invasive management plan to be implemented during construction and operation of the facility. The plan must include mitigation measures to reduce the invasion of alien species and ensure that the continuous monitoring and removal of | VI) Measures to manage alien invasive species will be included in the LEMP. A detailed plan will be compiled during the design phase. |
| | VII. | alien species is undertaken. A plant rescue and protection plan which allows for the maximum transplant of conservation important species from areas to be transformed. This plan must be compiled after completion of construction activities to reduce the amount of habitat | VII) A plant rescue and protection plan to be compiled during the design phase for implementation prior to construction. VIII) A rehabilitation plan will be compiled during the design phase and implemented during construction phase. |
| | VIII. | converted at any one time and to speed up the recovery to natural habits. A re-vegetation and habitat rehabilitation plan to be implemented during the construction and operation of the facility. Restoring must be undertaken as soon as possible after completion of construction activities to reduce the amount of habitat | IX) Open space management plan will be compiled during the design phase and implemented during construction phase X) As indicated in the LEMP, the traffic management plan is to be |
| | IX. | converted at any one time and to speed up the recovery to natural habitats. An open space management plan to be implemented during the construction and operation of the facility. | compiled during the design phase and implemented during construction and operational phase. XI) A transportation plan is to be compiled during the design phase |
| | X. | A traffic management plan for the site access roads to ensure that no hazards would results from the increased truck traffic and that traffic flow would not be adversely impacted. This plan must include measures to minimize impacts on local commuters e.g. limiting construction vehicles travelling on public roadways during the morning and late afternoon commute time and avoid using roads through densely populated built-up | and implemented during construction and operational phase XII) Recommendations for measures to include in a storm water management plan (to be compiled by an Engineer during the design phase). |
| | XI. | areas so as not to disturb existing retail and commercial operations. A transportation plan for the transport of panel components, main assembly cranes and other large pieces of equipment. | XIII) an erosion management plan will be compiled during the design phase and implemented during construction phase. Measures for inclusion are in the LEMP. |
| | XII. | A storm water management plan to be implemented during the construction and operation of the facility. The plan must ensure compliance with applicable regulations | XIV)Recommendations for monitoring systems to detect any leakage or spillage of hazardous substances are included in the LEMP. |

| Nr | Information required | Where to find it in the report |
|----|---|--|
| | and prevent off-site migration of contaminated storm water or increased soil erosion. The plan must include the construction of appropriate design measures that allow surface and subsurface movement of water along drainage lines so as not to impede natural surface and subsurface flows. Drainage measures must promote the dissipation of storm water run-off. XIII. An erosion management plan for monitoring and rehabilitating erosion events associated with the facility. Appropriate erosion mitigation must form part of this plan to prevent and reduce the risk of any potential erosion. XIV. An effective monitoring system to detect any leakage or spillage of all hazardous substances during their transportation, handling, use and storage. This must include precautionary measures to limit the possibility of oil and other toxic liquids from entering the soil or storm water systems. | XV) Measures to protect hydrological features are included in Annexure D of the Draft EIA report as well as in the LEMP. |
| | XV. Measures to protect hydrological features such as streams, rivers, pans, wetlands, dams and their catchments, and other environmental sensitive areas from construction impacts including the direct or indirect spelling of pollutants. | |
| 11 | The EIR must include a cumulative assessment of the facility if there are other similar facilities in the region. The specialist studies e.g. biodiversity, visual, noise, etc. must also assess the facility in terms of potential cumulative impacts. | Please see Section 5 of the Draft EIA report describing the potential cumulative impacts for each specialist study. |
| 12 | Please ensure that all the relevant Listing Notice activities are applied for, that the listing notice activities applied for are specific and that they can be linked to the development activity or infrastructure in the project description. | Please see the Application Forms included in Annexure A and the project description provided in Section 3. |
| 13 | The applicant is hereby reminded to comply with the requirements of Regulation 67 with regard | Noted. |

| Nr | Information required | Where to find it in the report |
|----|--|--|
| | to the time period allowed for complying with the requirements of the regulations, and | |
| | regulations 56 and 57 with regard to the allowance of a comment period for I&APs on all reports | |
| | submitted to the competent authority for decision-making. The reports referred to are listed in | |
| | Regulation 56(3a-3h). | |
| 14 | Furthermore, it must be reiterated that, should an application for Environmental Authorisation be | Noted. Heritage and Palaeontology Impact Assessments were |
| | subject to the provisions of Chapter 11, section 38 of the National Heritage Resources Act, Act | undertaken (as included in Annexure D. The Heritage and |
| | 25 of 1999 (NHRA), then this Department will not be able to make nor issue a decision in terms | Palaeontological specialists confirmed that an application in terms of |
| | of your application for Environmental Authorisation pending a letter from the pertinent heritage | Chapter 11, section 38 of the NHRA would not be required. |
| | authority categorically stating that the application fulfils the requirements of the relevant heritage | |
| | resources authority as described in Chapter 11, Section 38(8) of the National Heritage | |
| | Resources Act, Act 25 of 1999. | |
| 15 | You are requested to submit two (2) electronic copies (CD/DVD and two(2) hard copies of the | Please find enclosed. |
| | Environmental Impact Report (EIR) to the Department as per regulation 34(1)(b) of the EIA | |
| | Regulation, 2010. | |
| 16 | You are hereby reminded of Section 24F of the National environmental Management Act, Act no | Noted. |
| | 107 of 1998, as amended, that no activity may commence prior to an environmental | |
| | authorisation being granted by the Department. | |