

SECTION F: APPENDICES

Draft Basic Assessment Report for the Proposed Port Nolloth Lighthouse – near Port Nolloth,
Northern Cape

APPENDIX H: Details of EAP and expertise

Appendix H.1:	Curriculum Vitae of EAP – Ismail Banoo _____	2
Appendix H.2	Proof of EAP-SA Certification of Ismail Banoo _____	9
Appendix H.3	Curriculum Vitae of EAP – Kavandren Moodley _____	10

SECTION F: APPENDICES

Draft Basic Assessment Report for the Proposed Port Nolloth Lighthouse – near Port Nolloth, Northern Cape

Appendix H.1: Curriculum Vitae of EAP – Ismail Banoo

Name of Firm:	CSIR
Name of Staff:	Ismail Banoo
Profession:	Environmental Assessment and Management
Position in Firm:	Regional Manager EMS - KZN
Nationality:	South African

BIOGRAPHICAL SKETCH

Ismail Banoo is a Senior Environmental Assessment Practitioner and Manager of the CSIR Environmental Management Services team based in Durban, South Africa.

Ismail's involvement in several industrial and port related Environmental Impact Assessments (EIAs) has afforded him an indepth understanding of the sustainability issues facing development in Africa. He has been involved in private sector and development agency funded projects in Botswana, Mozambique and Angola. All of these projects involved interaction with a wide variety of stakeholders and key to these interactions has been managing and facilitating public participation processes and effective stakeholder engagement.

With over 12 years experience in the environmental assessment and management field, Ismail has participated in various international conferences and workshops. He has also facilitated numerous EIA/SEA training courses for universities as well as the private and public sector in South Africa and other African countries.

Fields of Competence

- Environmental impact assessments
- Strategic environmental assessments
- Environmental management capacity building
- EIA project management
- Environmental policy analysis and governance
- Environmental management systems and auditing
- Experience in management of integrated product development and integration of multidisciplinary teams.
- Facilitation and strategy development

Professional Affiliations & Registrations

- International Association for Impact Assessment.
- International Association for Impact Assessment (South African Affiliate).
- Certified Environmental Assessment Practitioner in South Africa – (EAPSA Certified).

Education

- BA, University of Durban Westville, South Africa, 1998
 - BA Honours University of Durban Westville, South Africa, 2000
 - MA (Environmental Science), University of Durban Westville, South Africa, 2002
 - Basic Environmental Assessment and Management Course, University of Free State, South Africa. 2002
 - Basic and Intermediate Project Management Course, CSIR, Innovation Leadership and Learning Academy, 2003
-

SECTION F: APPENDICES

Draft Basic Assessment Report for the Proposed Port Nolloth Lighthouse – near Port Nolloth, Northern Cape

	<ul style="list-style-type: none">▪ Advanced Project Management Course II, CSIR Innovation Leadership and Learning Academy, 2004▪ UNIDO International Cleaner Production Training Course, National Cleaner Production Centre, 2005
Languages	<ul style="list-style-type: none">▪ English▪ Afrikaans, basic▪ Zulu, basic▪ Urdu, basic
Key Industry Sectors	<ul style="list-style-type: none">▪ Ports and harbour developments▪ Large industrial and infrastructure developments▪ Corporates▪ Municipalities
Awards	<ul style="list-style-type: none">▪ National Research Foundation (SA), 2000 – 2002, Awarded research scholarship for undertaking Masters Degree▪ CSIR 2006 – Young Researchers Establishment Fund, awarded an internal research scholarship for undertaking research on integrating sustainability imperatives into strategic decision making for sustainable business operations in South Africa.

Recent Key Project Experience

2012

Basic Assessment for a Biomass Power Plant near Mkuze.

Project Leader

Electrawinds Africa and Indian Ocean Islands (Pty) Ltd appointed the CSIR to carry out a Basic Assessment Process for the construction and operation of a Biomass Power Plant near Mkuze in KwaZulu-Natal that will have an installed net electrical generation capacity of up to 16.5 MW. The proposed project requires a Basic Assessment process in order to determine the impact (direct, indirect and cumulative) of the proposed project with regards to noise, visual, fauna and traffic.

Basic Assessment for a Lighthouse near Port Nolloth

Project Leader

Transnet Freight Rail, a division of Transnet Limited, appointed the CSIR to carry out a Basic Assessment Process for the construction of a Lighthouse on ERF 335 near Port Nolloth in the Northern Cape. The proposed project requires a Basic Assessment process in order to determine the impact (direct, indirect and cumulative) of the proposed project with regards to visual and heritage.

2011

Decommissioning of Oilfield Infrastructure in Block 0, Angola.

Project Leader

The client intends to decommission a series of facilities no longer in operation in Block 0, Angola. The EIA is required to identify and assess various options for disposing the facilities. The EIA is on-going.

Wastewater Monitoring for Transnet Pipelines

Project Leader

Transnet Pipelines, a division of the Transnet Group, appointed the CSIR to undertake wastewater monitoring for Transnet depots along the Durban to Gauteng line. The project involves water quality monitoring with respect to prescribed variable limits

SECTION F: APPENDICES

Draft Basic Assessment Report for the Proposed Port Nolloth Lighthouse – near Port Nolloth, Northern Cape

and guidelines, and applications for General Authorisations for wastewater disposal if compliant to relevant standards.

Environmental Impact Assessment for the proposed Bulk Liquid Storage and Handling Facility in Zone 8 of the Coega IDZ, Port of Ngqura

Project Leader

Oil tanking Grindrod Calulo (PTY) Ltd proposes to construct a 20-hectare bulk liquid storage and handling facility in Zone 8 of the Coega IDZ, in the Port of Ngqura. The proposed project consists of storage tanks, pipelines from the berth to the tank farm and infrastructure at the berth. The proposed project requires a full scoping and environmental impact assessment process in order to determine the impact (direct, indirect and cumulative) of the proposed project with regards to terrestrial ecology, air quality, marine ecology, risks, traffic, archaeology and palaeontology.

Environmental Sensitivity Study for the proposed development of Pier 1 Phase 2 container terminal in the Port of Durban

Project Leader

The CSIR was appointed by Transnet Capital Projects (TCP) to conduct a high level Environmental Sensitivity Study (focused primarily on marine and heritage related aspects) for the proposed development of the Pier 1 Phase 2 Container Terminal in the Port of Durban. The purpose of the Environmental Sensitivity Study/Risk Assessment was to identify potential environmental risks which may arise as a result of the proposed project, and determine whether or not such risks would present a “fatal flaw” to the project. An environmental “fatal flaw” is typically defined as an impact that could have a “no-go” implication for the project, and are impacts which could potentially result in an application for environmental authorization being rejected by the competent authority, in this case the Department of Environmental Affairs (DEA).

Environmental Impact Assessment for the proposed Universal Wind Energy Project in Zone 12 of the Coega IDZ

Project Leader

Universal Wind proposed the establishment of a wind energy farm consisting of 20 turbines within Zone 12 of the Coega IDZ. The proposed project requires a full scoping and environmental impact assessment process in order to determine the impact (direct, indirect and cumulative) of the proposed project with regards to noise, visual, birds, and bats.

Scoping and Environmental Impact Assessment for a proposed Marine Servitude and Pipelines in the Coega Industrial Development Zone (IDZ)

Project Leader

The Coega Development Corporation (CDC) proposed the development of a marine servitude and pipeline within the Coega IDZ with which to cater to industrial tenants' seawater abstraction and wastewater disposal needs. The proposed project would allow for abstraction of seawater for use in cooling processes and mariculture, while the disposal of waste water would occur within the same servitude.

2010

EIA for a Proposed Wellfield Development Project in Botswana

Project Leader

The client is conducting a detailed feasibility study and EIA for the Mmamabula

SECTION F: APPENDICES

Draft Basic Assessment Report for the Proposed Port Nolloth Lighthouse – near Port Nolloth, Northern Cape

Energy Project (MEP), a combined coal mine and power plant development in Botswana. In addition to these activities there are also a number of ancillary projects which are required to support the MEP. One such project includes the investigation of groundwater reserves located within close proximity to the MEP referred to as the Bonwapitse Proposed Wellfield Area (PWA) as a potential sustainable source of water for the construction and operational phases of the MEP. This project is the subject of the EIA that has been conducted to international as well as Botswana regulatory standards.

Durban International Airport (DIA) Environmental Due Diligence Assessment

Project Leader

The DIA has been identified by Transnet as a possible site for the development of a new port, largely in order to increase the capacity of the existing Port of Durban. The client wished to investigate the potential environmental liability associated with purchasing the DIA site and subsequently constructing a new port. The study focused on reviewing all existing information followed by an analysis of the key environmental sensitivities in the vicinity of the site.

Environmental and Social Evaluation of Eastern Port Rail Corridor Proposed Port Layout Options

Project Leader

As part of the Ports and Rail Corridor Project, Transnet are investigating future port layout options that reflect the economic demand expected over the next 30 years. Various criteria were being evaluated. Core to these criteria were various environmental and social criteria. The study undertaken was to analyse and rate the environmental and social criteria for each port. The report included the outcome of this process for the ports within the Eastern Port and Rail Corridor (EPRC) which include the Port of Durban and Port of Richards Bay.

Environmental Review Eastern Port and Rail Corridor

Project Leader

The scope of this study was to review previous Environmental Impact Assessments (EIAs) and associated Records of Decision (RODs), Strategic Environmental Assessments (SEAs) and other planning documents to identify environmental and social drivers and assess their impact on future port planning, development and operations. Associated with the above was the need to consult with key stakeholders on the environmental and social issues that they may consider important for future port planning, development and operation. The final report was collated with incorporating these key imperatives of the study.

EIA for Proposed Grass Roots Crude Oil Refinery in Lobito, Angola

Project Leader

The client is proposing to build a new refinery with a refining capacity of 200,000 barrels per day. The primary goal of the project is to add value to heavy and acidic Angolan crude by refining it to produce high quality transportation fuels. The EIA is currently ongoing and is being conducted with support from other international technical partners and local Angolan consultants including the Angola Research Institute (A-IP) and Holisticos. I was responsible for all project management requirements on the project. This included all specialist investigation co-ordination as well as public consultation activities. I was also part of the social team (in-conjunction with local partners) who were involved in a comprehensive social impact assessment

SECTION F: APPENDICES

Draft Basic Assessment Report for the Proposed Port Nolloth Lighthouse – near Port Nolloth, Northern Cape

for all components of the project.

Environmental and Social Evaluation of Long Term Coal Supply Rail Routing Options *Project Leader*

The scope of this study is to conduct a desktop environmental and social baseline study for a number alternative rail routing options in the greater Gauteng and Mpumalanga provinces. The proposed project area encompass the municipalities of Eastvaal District Municipality, Nkangala District Municipality, Seme Municipality, Lekwa Municipality and Gert Sibande District municipality, and will intend to transport coal to, Grootvlei, Kendal, Majuba, Tutuka and Camden power stations respectively. The objective of the study is to identify and map key resource sensitivities in order to support spatial planning for the development of railway corridors for transportation of coal on a long term basis. I am the project manager on the project with overall responsibility for the completion of the project.

Environmental Impact Assessment for Block 15 (Kizombo Satelites Project) - Esso Exploration Angola Ltd. *Project Reviewer*

The project involved the undertaking an Environmental Impact Assessment for EEAL's Plan Satelite Fields Sub-sea tiebacks to existing oil and gas production facilities in offshore Angola (Block 15).

2008

State of Environment Report for the Nkangala District Municipality *Project Leader*

Principal author of a specialist report on Integrated Waste Management Planning for the Nkangala district. Project involved addressing key issues raised by stakeholders and maximising resource use through improved waste stream management.

EIA for the Expansion of the Port of Ngqura – Port Elizabeth – South Africa *Project Manager*

The client is proposing to expand the existing quay wall as well as construct an admin craft building in order to complete the final phases of the pre-feasibility studies as part of the Port of Ngqura development. The completion of these components will facilitate the operation of the Port of Ngqura by 2007/8.

2007

National Cleaner Production Strategy *Project Leader*

The Department of Environmental Affairs and Tourisms Branch for Environmental Quality Protection embarked on developing a national strategy and implementation plan for Cleaner Production. The strategy was prepared for DEAT as part of the South African implementation of the Johannesburg Plan of Implementation (JPOI), with particular reference to the implementation of recommendations as contained in Chapter 3 on sustainable consumption and production. The key emphasis of the strategy was on the cleaner production aspect. Involvement was as a Principle Drafter and overall Project Leader and Manager of the project.

SECTION F: APPENDICES

Draft Basic Assessment Report for the Proposed Port Nolloth Lighthouse – near Port Nolloth, Northern Cape

Environmental Due Diligence Assessment for 18 pots expansion project at BHP Billiton –Hillside Smelter

Project Manager

The client is investigating the development of new technology for aluminium smelting by adding 18 additional pots to existing operations at the plant. The project involved evaluating the key environmental parameters associated with the proposed expansion and included the development of an integrated environmental report to be submitted to the authorities for approval.

Science of Climate Change

Researcher

The project involved undertaking a detailed literature review of climate change for the Municipality. Assisted with developing and writing up the scenarios for climate change for the city. The project also identified a series of additional parameters which formed part of the scenario development process.

Environmental Site Suitability Study – Proposed Manganese Smelter

Project Leader

The client wished to establish a ferro-alloy manganese smelter within Southern Africa. Project investigated four industrial sites and evaluated the suitability of each site for the proposed development project. Key findings include the capacities and constraints associated with the project.

Courses/ Presentations/ Training Events

2011/2012

University of Kwa-Zulu Natal – Durban Campus

Guest Lecturer

Lecture on topics pertaining to EIA application to second and third year students in the Environmental Science Department for the first semester environmental management module.

2009

University of Kwa-Zulu Natal – Durban Campus

Client: Department of Agriculture and Environmental Affairs (DAEA)

Course presenter/Overall Co-ordinator

Presented a two day environmental assessment and management course to DAEA (KZN Provincial environmental authority).

Department of Economic Affairs, Environment and Tourism

Course Co-ordinator and Lead Presenter

Presented an intensive course to the environmental impact assessment directorate in the Eastern Cape Region. The content covered IEM and environmental assessment and management topics

IQPC (South African Branch)

Team Leader/ Chief Presenter

Presented a one day workshop on a Step-by-Step guide to completing an effective Environmental Impact Assessment.

2008

SECTION F: APPENDICES

Draft Basic Assessment Report for the Proposed Port Nolloth Lighthouse – near Port Nolloth, Northern Cape

University of Durban Westville, Centre for Development Management

Course Presenter

Presented a one day course on environmental management and local government – The role of and objectives of Agenda 21 in local development planning

University of Kwa-Zulu Natal – Pietermaritzburg Campus, Centre for Environment and Development

Course Presenter

Presented a five day course for Masters students on EIA and IEM as part of university of curriculum.

University of Kwa-Zulu Natal – Durban Campus, Department of Geography and Environmental Studies

Lecturer

Lectured on IEM topics to Honours and Masters students as part of the Environmental Management Semester Module (2005 – 2007)

Language capability

	<i>Speaking</i>	<i>Reading</i>	<i>Writing</i>
English	Excellent	Excellent	Excellent
Afrikaans	Average	Average	Average
Urdu	Excellent	Good	Average

SECTION F: APPENDICES

Draft Basic Assessment Report for the Proposed Port Nolloth Lighthouse – near Port Nolloth,
Northern Cape

Appendix H.2 Proof of EAP-SA Certification of Ismail Banoo



The Interim Certification Board
for
Environmental Assessment Practitioners
of
South Africa

Ismail Banoo

was certified as an

**ENVIRONMENTAL ASSESSMENT
PRACTITIONER**

on this 15th day of April 2008



Chairperson



Secretary

SECTION F: APPENDICES

Draft Basic Assessment Report for the Proposed Port Nolloth Lighthouse – near Port Nolloth, Northern Cape

Appendix H.3 Curriculum Vitae of EAP – Kavandren Moodley

CURRICULUM VITAE – KAVANDREN MOODLEY

Name of Firm:	CSIR
Name of Staff:	Kavandren Moodley
Profession:	Environmental Assessment and Management
Position in Firm:	Junior Environmental Assessment Practitioner (in training)
Nationality:	South African

BIOGRAPHICAL SKETCH

Kavandren Moodley is a Junior Environmental Assessment Practitioner based in the Environmental Management Services (EMS) team in Durban, South Africa. He holds a BSc. Honours in Environmental Science (*Cum Laude*) and is currently undertaking his MSc. in Environmental Science. His research interests are focused on the water and sediment quality of three major catchments in KwaZulu-Natal using analytical, bio-monitoring and GIS based techniques. He has recently been involved and assisted senior consultants in several environmental studies at the Port of Durban and the Coega IDZ including Preliminary Environmental Assessments, Environmental Impact Assessments (EIAs), Environmental Management Plans (EMP's), ensuring compliance to Environmental Management Plans in the form of Environmental Control Officer Duties, and waste water monitoring programs. Kavandren is also experienced with regards to Geographic Information Systems (GIS) and Remote Sensing applications.

Fields of Knowledge and Competence	<ul style="list-style-type: none">▪ Preliminary Environmental Assessments▪ Basic Assessments (BA's)▪ Environmental Impact Assessments (EIA's)▪ Environmental Management Plans (EMP's)▪ Environmental Management Systems and compliance monitoring▪ Public participation processes▪ Basic Project Management
Professional Affiliations & Registrations	<ul style="list-style-type: none">▪ International Golden Key Honourary Society.
Education	<ul style="list-style-type: none">▪ BSc Environmental Science (Majors in Environmental Science and Geology) – University of KwaZulu-Natal, South Africa, 2009▪ BSc Honours Environmental Science – <i>Cum Laude</i> (Majors in Environmental Science), Certificates of Merit awarded in Advanced Remote Sensing and Air pollution, placed in top 15% of academic achievers at UKZN for 2010 – University of KwaZulu-Natal, South Africa, 2010▪ MSc Environmental Science – in progress (2011 – present; anticipated date of submission – November 2012)
Languages	<ul style="list-style-type: none">▪ English▪ Afrikaans (Basic)
Key Industry Sectors	<ul style="list-style-type: none">▪ Industrial and Infrastructure Developments (Oil and Gas)

SECTION F: APPENDICES

Draft Basic Assessment Report for the Proposed Port Nolloth Lighthouse – near Port Nolloth,
Northern Cape

-
- Renewable Energy
 - Private Sector – Land Development (Residential, Business etc.)
 - Municipalities
-