


NIGERIAN CONTENT EXECUTION PLAN

FOR

DEMOLITION OF MOF 2 GENERAL CARGO BERTH PROJECT 17/MOC/PDR/017P

CONTRACT NO: B180102TPI

B	06JAN20	P.G	I.H	S.N.	APPROVE FOR CONSTRUCTION
A	26NOV19	P.G	I.H	S.N.	ISSUED FOR APPROVAL
O	26NOV19	P.G	I.H	S.N.	ISSUED FOR COMMENT
ISSUE	DATE	BY	CHKD	APPD	DESCRIPTION
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DISCIPLINE: QUALITY					
LOCATION: BONNY ISLAND, NIGERIA			PLANT: LNG COMPLEX		PROJECT NO: 17/MOC/PDR/017P
UNIT: 7000	NIGERIA LNG LTD				PAGE 1 OF 15
	NIGERIAN CONTENT EXECUTION PLAN				DOC NO: B-57.305

REVISION LOG

REV	PAGES REVISED	CONTENT
O	-	First Issue
A	All Pages	Comment Incorporated
B	Page 15	Comment Incorporated


DEMOLITION OF MOF 2 GENERAL CARGO BERTH PROJECT (CONTRACT NO: B180102TPI)		
LOCATION: BONNY ISLAND, NIGERIA	PLANT: NLNG COMPLEX	PROJECT NO: 17/MOC/PDR/017P
UNIT: 7000	NIGERIA LNG LTD	PAGE 2 OF 15
	NIGERIAN CONTENT EXECUTION PLAN	DOC NO: B-57.305 REV: B

Table of Contents

1.	INTRODUCTION	4
2.	POLICY STATEMENT	4
3.	EVIDENCE OF ESTABLISHED PRESENCE IN NIGERIA	5
4.	EQUITY OWNERSHIP	6
5.	MANAGEMENT AND PROCUREMENT CENTRE LOCATION	6
6.	PERSONNEL INFORMATION	7
7.	EQUIPMENT OWNERSHIP	7
8.	RESEARCH AND DEVELOPMENT	7
9.	CAPACITY AND CAPABILITY DEVELOPMENT.....	8
10.	NIGERIAN CONTENT EXECUTION PLAN	9
11.	NC SCHEDULE TARGETS.....	11
12.	PROCEDURE FOR EVALUATION OF NC PERFORMANCE	15
13.	NIGERIAN CONTENT MANAGEMENT STRUCTURE	15

DEMOLITION OF MOF 2 GENERAL CARGO BERTH PROJECT (CONTRACT NO: B180102TPI)		
LOCATION: BONNY ISLAND, NIGERIA	PLANT: NLNG COMPLEX	PROJECT NO: 17/MOC/PDR/017P
UNIT: 7000	NIGERIA LNG LTD	PAGE 3 OF 15
	NIGERIAN CONTENT EXECUTION PLAN	DOC NO: B-57.305 REV: A

1. INTRODUCTION

Nigerian Content is defined as “the quantum of composite value added to, or created in the Nigerian economy by a systematic development of capacity and capabilities through the deliberate utilization of Nigerian human and material resources and services in the Nigerian Oil and Gas Industry”.

Sequel to the Nigerian Oil and Gas Industry Content Development (NOGICD) Act of 2010, Daewoo Nigeria Limited (DNL) in compliance with section 3 of the Nigerian Content Act evolved its corporate entity as Daewoo Engineering and Construction Nigeria Limited (DECN) with the Corporate Affairs Commission (CAC), aligning her management and ownership structures by and through a robust participation of Nigerians in decision making and a 51% Nigeria and 49% Foreign share allotment status. Given this arrangement, DECN satisfied the requirements for tender consideration and participation in the Oil and Gas Industry, Onshore and Swamp areas inclusive.

2. POLICY STATEMENT

Daewoo Engineering & Construction Nigeria Limited (DECN) shall contribute to the Federal Government of Nigeria's vision to build Nigerian capacity and capability, through employment, training and retraining of Nigerian manpower, maximizing procurement of materials, equipment and services from Nigeria origin and source, for its Nigerian Oil and Gas operations.

DECN Nigerian Content (NC) Policy is summarized as follows;

Engineering/ Project Management

To the maximum extent possible, DECN will ensure that Detailed Engineering Works are performed by Nigerian engineers. Best efforts will be made to ensure engagement of Nigerians in all levels of project management activities.

Materials/ Equipment Procurement


Procurement Centre is located in Nigeria. First priority will be given to materials of Nigerian origin that meet project specification. Guidelines regulating materials and equipment procurement will be adhered to. In other words, items and materials not readily available in-country would be procured through NCEC Holders.

Fabrication / Construction

Fabrication and construction activities will be done in-country utilizing in-country fabrication and construction facilities.

Services

Nigerian service providers will be utilized for service delivery in so far as such services conform to project specifications.

DEMOLITION OF MOF 2 GENERAL CARGO BERTH PROJECT (CONTRACT NO: B180102TPI)		
LOCATION: BONNY ISLAND, NIGERIA	PLANT: NLNG COMPLEX	PROJECT NO: 17/MOC/PDR/017P
UNIT: 7000	NIGERIA LNG LTD	PAGE 4 OF 15
	NIGERIAN CONTENT EXECUTION PLAN	DOC NO: B-57.305 REV: B

3. EVIDENCE OF ESTABLISHED PRESENCE IN NIGERIA

Daewoo Engineering and Construction Nigeria Limited through its operation as Daewoo Nigeria Limited since 1978 in Nigeria has executed several turnkey Engineering, Procurement and Construction projects in Industrial Plants, Power Plants, Civil & Building Works, Oil and Gas Pipelines, Flow Stations, Gas Processing Facilities & LNG Gas Trains such as SPDC’s Afam VI 650 MW CCPP, Gbaran-Ubie IOGP, NLNG Gas Trains 1, 2, 3, 5, 6, NAOC’s Ogbainbiri Flowstation Upgrade.

DECN is permitted to operate in the Nigerian Oil & Gas Industry in 6 field categories by the Department of Petroleum Resources (DPR), they include:

1. Offshore/Onshore Pipeline Laying - Laying of Oil and Gas Pipelines
2. Offshore/Onshore Pipeline Laying – Pipeline Fabrication/Construction
3. Onshore Pipelines/Storage Facility Maintenance
4. Major Construction Services - Installation and Upgrade of Onshore and Offshore Production Facilities and Platforms
5. Heavy Duty Equipment Supply Services - Cranes, Excavators, Bulldozers, Fork Lift and Boom Lift
6. Technical Consultancy Services - Engineering and Project Management

3.1 Location of Facility In-Country

DECN has permanent facilities fully equipped to support the execution of projects in- country. Following is a description of the location, features and capabilities of the infrastructures.

3.1.1 Abuja Office (Registered Office)

DECN’s registered Office is located in the FCT, Abuja, at Plot 2B, Colombia Close, off Colorado Close, FCT Abuja, Nigeria. The office serves as base to DECN’s commercial & business development.

The office is connected to DAEWOO ICT system via Fibre-Optic Data Cables +V-SAT links which provides data links to DECN Facilities in Nigeria for data transmission including email, internet and intranet, online enterprise solutions.

3.1.2 Lagos Office

DECN’s office in Lagos is situated at No. 10B, Lagoon Avenue, Osborne Estate, Ikoyi, Lagos, Nigeria. The office serves as a support base to DECN’s Abuja registered office on commercial & business development, finance and logistics support teams.

The Lagos office is connected to DAEWOO ICT system via Fibre-Optic Data Cables +V-SAT links which provides data links to DECN Facilities in Nigeria for data transmission including email, internet and intranet, online enterprise solutions.

3.1.3 Ogu Base, Bayelsa State

Ogu Base is located at Ogu Village, Yenagoa City, Bayelsa state. Ogu Base served as project management and logistics base for SPDC EGG2 Gas Pipeline, SPDC Gbaran-Ubie IOGP and NAOC NLNG Gas Supply T4 & T5, SPDC Utorogu – Ughelli Domgas Pipeline Project, NAOC Ogbainbiri Flowstation Upgrade Project. The base is currently serving as base for Southern Swamp Gas Gathering Pipelines.

3.1.4 Abam Base, Okirika, Port Harcourt

Abam Base is located at Abam-Ama, Okrika, Port Harcourt. Abam base served as project

DEMOLITION OF MOF 2 GENERAL CARGO BERTH PROJECT		
(CONTRACT NO: B180102TPI)		
LOCATION: BONNY ISLAND, NIGERIA	PLANT: NLNG COMPLEX	PROJECT NO: 17/MOC/PDR/017P
	NIGERIA LNG LTD	PAGE 5 OF 15
UNIT: 7000	NIGERIAN CONTENT EXECUTION PLAN	DOC NO: B-57.305 REV: B

logistics base and fabrication yard for NLNG T1, 2, 3, 5 & 6, SPDC Cawthorne Channel AGG, SPDC Gbaran-Ubie IOGP and other mid-sized projects.

3.1.5 Warri Base, Delta State

Warri Base is located at NNPC Jetty Road, Ekpan Effurun, Warri, Delta State. Warri Base served as project management, fabrication and logistics base for CNL Escravos GTL Process Package,

Chevron Agbami FPSO Nigerian Modules Fabrication, Shell Bonga FPSO Nigerian Modules Fabrication and other mid-sized projects located in western area. It is currently serving as base to SPDC Otumara Node for Domgas Project.

In addition to above, DECN retains an open storage yard at Onne Free Zone with area of about 5,000sq.mt.

DECN can promptly mobilize, on an as need basis, fly camps for both construction purposes and accommodation of its personnel, in any kind of environment (land and swamp) and / or remote locations by having access to a fleet of construction and logistic equipment already mobilized in Nigeria

PROFILE \ BASE	ONNE BASE (PHC OFFICE)	WARRI BASE	ABAM BASE	OGU BASE
1. LOCATION	ONNE/BORI ROD JUNCTION, EBUBU ELEME, RIVERS STATE	NNPC JETTY ROAD, EKPAEFFURUN, WARRI, DELTA STATE	ABAM-AMA, OKRICA, PORT HARCOURT, RIVERS STATE	OGU VILLAGE, YENAGOA CITY BAYELSA STATE
2. TOTAL LAND AREA	48,000 m ²	100,500 m ²	87,000 m ²	400,000 m ²
3. OFFICE SPACE	500 m ²	1,500 m ²	1,800 m ²	7,500 m ²
4. CAMP / CANTEEN AREA	7,000 m ²	22,500 m ²	3,000 m ²	10,000 m ²
5. STORAGE / WORKSHOP	3,500 m ²	7,500 m ²	3,200 m ²	10,000 m ²
6. FABRICATION AREA	25,000 m ²	67,000 m ²	74,000 m ²	83,750 m ²
7. OPEN STORAGE AREA	10,000 m ²	-	3,000 m ²	200,000 m ²
8. FABRICATION CAPACITY (TON/YEAR)	N/A (Maintenance only)	3,000	2,000	3,000
9. LOADOUT JETTY CAPACITY(TON)	-	3,000	700	2,000

4. EQUITY OWNERSHIP

DECN is a duly registered company with the Corporate Affairs Commission (CAC) in accordance with the Companies and Allied Matters Act 1990. The equity ownership structure is thus; 51% Nigerian / 49% Foreign

5. MANAGEMENT AND PROCUREMENT CENTRE LOCATION

Onne Base located at Onne/Bori Junction, along East/West road, Ebubu Eleme, Rivers state is the Operations Head Office of DECN as well as Engineering and procurement centre.

Onne Base has been successfully utilized to carry out detailed engineering support and procurement activities for;

1. SPDC EGGS2 40” x 56km Gas Pipeline Project,
2. NAOC EPC 18” Tebidaba-Brass Manifold Pipeline Project
3. Swamp Area Gas Gathering for N-LNG Gas Supply for T4/5 Projects
4. EPC for Upgrading of Ogbainbiri Flowstation
5. Subcontract to Nigerdock (steel structure) for SPDC Gbaran Ubie IOGP
6. Subcontract to Dorman Long (pressure vessel) for SPDC Gbaran Ubie IOGP
7. Utorogu-Ughelli East Domgas Pipeline Project
8. EPC for Otumara Node Domgas Project
9. Early works for Obite Independent Power Plant Project
10. EPC for Southern Swamp Gas Gathering Pipeline Project

6. PERSONNEL INFORMATION

DECN currently employs over 3,000 Nigerian nationals at its Operational Head Office, Abuja Registered Office, Lagos office and in various ongoing projects.

95% of the total workforce is Nigerian at various levels in the hierarchy. Nigerian nationals are constantly being trained especially on the job for different supervisory/managerial positions so as to prepare them for positions of responsibilities in line with Nigerianization provision in the Nigerian Content Act.

DECN and the Nigerian employees have full access to resources, know-how and experience that DECN has gained during the last three decades.

For the installation studies, DECN staff will consist of 50% Nigerian and 50% Korean which is compliant with target Nigerian Content for engineering services.

7. EQUIPMENT OWNERSHIP

DECN will continue to build assets and resources including equipment to meet all projects requirements but can/will receive support from Daewoo Nigeria Limited and other Nigerian vendors when and where necessary.

8. RESEARCH AND DEVELOPMENT

In line with NOGICD Act requirement for Research and Development and subsequent request by Nigerian Content Development and Monitoring Board (NCDMB), DECN applied to the R & D Division of the NNPC for registration under the Technology Development Cluster. Subsequently, DECN has forwarded and submitted a research proposal to NCDMB, and currently awaiting an invitation for presentation.

DECN will continue to work closely with NCDMB in ensuring that the R & D needs and goals of the Nigerian Oil and Gas industry is actualized.

DEMOLITION OF MOF 2 GENERAL CARGO BERTH PROJECT (CONTRACT NO: B180102TPI)		
LOCATION: BONNY ISLAND, NIGERIA	PLANT: NLNG COMPLEX	PROJECT NO: 17/MOC/PDR/017P
UNIT: 7000	NIGERIA LNG LTD	PAGE 7 OF 15
	NIGERIAN CONTENT EXECUTION PLAN	DOC NO: B-57.305 REV: B

9. CAPACITY AND CAPABILITY DEVELOPMENT

DECN has in its employ competent and qualified Nigerian indigenous personnel for projects execution. Therefore, to the maximum extent possible, Nigerian indigenous personnel shall always be utilized in DECN projects, with expatriate support where necessary. This approach constantly allows for continuous capacity and capability development through on the job training.

DECN will always maximize the use of materials, goods and services of Nigerian origin in projects. DECN is constantly conducting research into new capabilities and capacities by Nigerian service providers. Nigerian vendors and subcontractors who have acquired new capabilities are giving opportunity to make presentation on such capabilities. During such presentations, competence gaps are identified and the vendor or subcontractor is accordingly advised. Through this, DECN is abreast of existing in- country capabilities.

9.1 Succession Plan

As part of DECN's technology transfer program, where competencies are inadequate or do not exist a succession plan for transfer of know-how from expatriates to Nigerians is put in place prior to application for expatriate quota approval. The plan is designed such that a minimum of two Nigerians will understudy each expatriate within a maximum period of four years. Subsequently, the Nigerian understudies gradually takes up full responsibility of the duties hitherto done by the expatriates. The training and technology transfer is mainly on-the-job basis.

9.2 NCDMB Human Capacity Development Program

DECN has always ensured that the Human Capacity Development Program is executed with the highest sense of responsibility in the course of her project execution. This program is in two phases, class room and on the job training.

The following training disciplines have been identified as potential programs;

9.2.1 Engineering and Document Control Training


Classroom trainings on engineering and document control will be conducted for a selected number of Nigerian graduates utilizing OGTAN registered trainers in a process closely monitored by NCDMB.

In conjunction with the subcontractor engaged to execute the engineering works, DECN will ensure that Nigerian trainee engineers after graduation from the class room training stage are given hands on detailed engineering design training on life projects.

Certification of the trainee engineers on applicable software by software owners will be an integral part of the training

9.2.2 QA/QC Training

Nigerians would also be trained and certified in Quality Assurance and Quality Control skills utilizing OGTAN trainers for class room and DECN Subject Matter Experts in projects for the On the Job training.

DEMOLITION OF MOF 2 GENERAL CARGO BERTH PROJECT (CONTRACT NO: B180102TPI)			
LOCATION: BONNY ISLAND, NIGERIA	PLANT: NLNG COMPLEX	PROJECT NO: 17/MOC/PDR/017P	
UNIT: 7000	NIGERIA LNG LTD		PAGE 8 OF 15
	NIGERIAN CONTENT EXECUTION PLAN		DOC NO: B-57.305 REV: B

9.2.3 Crafts Training

Craft training will also follow same pattern of class room and on the job training. The following categories among others are considered:

- a. DWS Operation
- b. Crane operators
- c. Riggers

10. NIGERIAN CONTENT EXECUTION PLAN

The following is a summary of the project NC Execution Plan

Note that this would be followed by a detailed Nigerian Content Compliance Certificate (NCCC) sheet with cost and delivery to be approved by NLNG and NCDMB for tracking and monitoring of NC compliance

10.1 Employment

For the purpose of executing this project, DECN will give first priority to Nigerians for employment. Competent Nigerians in DECN's manpower pool, who it has trained in past projects will be utilized. This is in addition to host community personnel who will be hired and trained. Furthermore, where competencies are inadequate DECN shall obtain Expatriate Quota approval from the NCDMB and the Federal Ministry of interior.

10.2 Engineering

In line with the requirement of NOGICD Act 2010, DECN shall perform the detailed engineering of this project 100% in Nigeria. A Nigerian engineering firm will be selected in due course from DECN Nigerian engineering company's data base. Efforts will be made at ensuring that at least 90% of total engineering man hour for the project is performed by Nigerian engineers. Technical support will be provided to the Nigerian engineering firm by DECN's engineers from her engineering office in Port Harcourt Nigeria.

10.3 Project Management

Project Management centre for this project will be located in Nigeria. Nigerians will be employed at all levels in the project management activities. DECN will ensure that at least 80% man hours of project management services will be executed by Nigerians.

10.4 Procurement

DECN shall utilize its procurement office in her Port Harcourt office for procurement activities. Nigerians are already employed to work in this office and more will be employed as the need becomes obvious. To the maximum extent possible, DECN will utilize materials and goods made in Nigeria which conform to project standard and specification for this project. For project materials and equipment not available in Nigeria, DECN will carry out their procurement in line with Nigerian Content Equipment Certification guideline, and in close collaboration with the NCDMB.


DEMOLITION OF MOF 2 GENERAL CARGO BERTH PROJECT (CONTRACT NO: B180102TPI)		
LOCATION: BONNY ISLAND, NIGERIA	PLANT: NLNG COMPLEX	PROJECT NO: 17/MOC/PDR/017P
UNIT: 7000	NIGERIA LNG LTD	PAGE 9 OF 15
	NIGERIAN CONTENT EXECUTION PLAN	DOC NO: B-57.305 REV: B

10.5 Services

Services are those activities that may not be direct deliverables to the project, but activities that will make the project to succeed. Project services includes:

- Temporary accommodation
- Waste Disposal
- Logistics and Transportation
- Custom Clearance
- Site Clearing Works
- Catering Services
- Supply of consumable materials
- Security Services
- Unskilled Labor Supply

These activities or services shall be 100% Nigeria content

DEMOLITION OF MOF 2 GENERAL CARGO BERTH PROJECT (CONTRACT NO: B180102TPI)		
LOCATION: BONNY ISLAND, NIGERIA	PLANT: NLNG COMPLEX	PROJECT NO: 17/MOC/PDR/017P
UNIT: 7000	NIGERIA LNG LTD	PAGE 10 OF 15
	NIGERIAN CONTENT EXECUTION PLAN	DOC NO: B-57.305 REV: B

11. NC SCHEDULE TARGETS

No.	Activity Area	Minimum NC Compliance Level	Planned Compliance Level	Unit of Measurer	Remarks
1.0 Research and Development / Design and Engineering Studies					
1.1	Safety and Environmental Studies	75%	100%	Spend	Nigerians safety and environmental studies services provider will be engaged.
2.0 Project Management/Consultancy Services					
2.1	Construction Management and Consultancy Services	80%	80%	Man-Hours	
2.2	Project Administration Services/Project Management	80%	80%	Man-Hours	
3.0 Transportation/Supply and Disposal Services					
3.1	Barges	95%	100%	Spend	
3.2	Rental of Cranes and Special Vehicles	75%	100%	Spend	Contractor will utilize existing own equipment duly registered in Nigeria and operated by Nigerians and may hire additional quantity at peak project time.
3.3	Freight Forwarding and Logistics Management Services	65%	100%	Spend	Contractor will utilize Nigerian freight forwarders and logistics management services providers.
3.4	Supply Base / Warehouse / Storage Services	70%	100%	Spend	Contractor has adequate warehousing and storage facility and will only patronize Intels for stacking area at the Port
3.5	Truck Package / Product Transportation Services	100%	100%	Spend	Contractor will utilize own trucks duly registered in Nigeria and when own resources become inadequate, Contractor will hire trucks from

**DEMOLITION OF MOF 2 GENERAL CARGO BERTH PROJECT
(CONTRACT NO: B180102TPI)**

LOCATION: BONNY ISLAND, NIGERIA

PLANT: NLNG COMPLEX

PROJECT NO: 17/MOC/PDR/017P

UNIT: 7000

NIGERIA LNG LTD

PAGE 11 OF 15

NIGERIAN CONTENT EXECUTION PLAN

DOC NO: **B-57.305** REV: **B**

					Nigerian truck owners.
4.0 Health Safety and Environment					
4.1	Site Clean-up Services	100%	100%	Man-Hours	Local service providers
4.2	Waste Disposal and Drainage Services	100%	100%	Man-Hours	Nigerian employees of local waste disposal country service providers with will be utilized.
4.3	Catering Services	100%	100%	Spend	Nigerian caterers will be utilized.
4.4	Cleaning and laundering Services	100%	100%	Spend	Nigerians will be directly hired to offer these services
4.5	Fire and Gas Protection System Services	50%	80%	Man-Hours	Nigerians will be hired to install and maintain Fire and Gas Protection Systems
4.6	Temporary Accommodations and Camp Services	80%	100%	Man-Hours	Nigerian camp and temporary accommodation service providers will be utilized.
4.6	Security Services	95%	100%	Spend	Security services will be provided by Nigerian security outfits.
4.7	Medical Services	60%	60%	Spend	Medical services will be provided by Nigerian medical clinics/doctors and for special cases, foreigners may be involved
4.8	Pollution Control	45%	100%	Spend	
6.0 Information System / Information Technology / Communication Services					
5.1	Network Installation / Support Services	85%	85%	Spend	
5.2	Data Management Services	50%	50%	Spend	Nigerian service provider to be utilized.
5.3	Computer Based Modeling Services	51%	51%	Spend	Nigerian engineering firm will be utilized.
5.4	Computer Based Simulation / Training Programs	51%	100%	Spend	Nigerian engineering firm will be utilized.
5.5	IT Management Consultancy Services	50%	80%	Spend	Nigerian IT Services providers will be engaged.

**DEMOLITION OF MOF 2 GENERAL CARGO BERTH PROJECT
(CONTRACT NO: B180102TPI)**



LOCATION: BONNY ISLAND, NIGERIA

PLANT: NLNG COMPLEX

PROJECT NO: 17/MOC/PDR/017P

UNIT: 7000

NIGERIA LNG LTD

PAGE 12 OF 15

NIGERIAN CONTENT EXECUTION PLAN

DOC NO: **B-57.305** REV: **B**

5.6	Data & Message Transmitting Services	60%	80%	Spend	Nigerian IT Services providers will be engaged
5.7	Rental of Telecom Lines	75%	100%	Spend	Nigerian Telecom service providers are patronized

**DEMOLITION OF MOF 2 GENERAL CARGO BERTH PROJECT
(CONTRACT NO: B180102TPI)**

LOCATION: BONNY ISLAND, NIGERIA

PLANT: NLNG COMPLEX

PROJECT NO: 17/MOC/PDR/017P

UNIT: 7000

NIGERIA LNG LTD

PAGE 13 OF 15

NIGERIAN CONTENT EXECUTION PLAN

DOC NO: **B-57.305** REV: **B**

6.8	Telecommunication Subscription Services	85%	100%	Spend	Nigerian telecommunication service providers are subscribed to
6.9	Telecommunication Installation and Support Services	60%	100%	Spend	Nigerian service providers to be utilized
7.0 Marine Operations and Logistics Services					
7.1	Marine Insurance	40%	100%	Spend	Nigerian Insurance firms will be utilized.
7.2	Marine Logistics	30%	100%	Spend	Nigerian Marine services providers will be utilized.
7.3	Telecommunication Services	90%	100%	Man-Hours	Nigerian employees of telecommunication services providers will be utilized.
7.4	Domestic Clearing of Cargoes	30%	100%	Spend	Nigerian clearing agents will be utilized
7.5	Supply Vessels	45%	100%	Man-Hour / Spend	Contractor will utilize own supply vessels built by Nigerian vessel builders and manned by Nigerians
7.6	Stand-by Vessel	55%	100%	Spend	
8.0 Finance and Insurance					
8.1	General Banking Services	100%	100%	Usage	Nigerian Banks and Pension Fund managers will be utilized.
8.2	Pension Funding Services	100%	100%	Spend	
8.3	Auditing Services	100%	100%	Spend	Nigerian Auditing firms will be utilized.
8.4	Accounting Services	70%	100%	Man- Hour	Nigerian accountants will be employed to carry out accounting services
8.5	Insurance Broking Services	100%	100%	Spend	Nigerian Insurance Broking Firms will be utilized
8.6	Non-Life Insurance	70%	100%	Spend	Nigerian Insurance firms will be utilized.
9.0 Installation, Hook - Up and Commissioning					
9.1	Diving and Pipe cutting	100%	100%	Man-Hours	This will be done 100% by Nigerians
9.2	Electrical and Instrument Services	45%	85%	Man-Hours	Nigerian technicians will be utilized for these services

**DEMOLITION OF MOF 2 GENERAL CARGO BERTH PROJECT
(CONTRACT NO: B180102TPI)**



LOCATION: BONNY ISLAND, NIGERIA	PLANT: NLNG COMPLEX	PROJECT NO: 17/MOC/PDR/017P
UNIT: 7000	NIGERIA LNG LTD	PAGE 14 OF 15
NIGERIAN CONTENT EXECUTION PLAN		DOC NO: B-57.305 REV: B

9.3	Crane Management Services	80%	80%	Man-Hours	Nigerian Technicians will be utilized for crane management services
11.0 Inspection, Testing and Certification Services					
11.1	Certification of Machinery & Equipment	45%	100%	Nos.	Nigerian 3rd Party inspection services providers will be utilized.
11.2	Instrument Testing and Calibration Services	85%	100%	Man-Hours	Nigerians in third party inspection and certification firms will be utilized.
11.3	Certification of Cranes and Lifting Equipment	45%	100%	Man-Hours	Nigerians in third party inspection and certification firms will be utilized.
11.4	Certification of Pressurized Equipment	45%	45%	Man-Hours	DECN shall make use of Nigerian certified reps, etc

12. PROCEDURE FOR EVALUATION OF NC PERFORMANCE

Nigerian Content performance will be evaluated based on the Nigerian Content Monitoring Template.

DECN Nigerian Content Manager will ensure that the template is completed and submitted monthly or as maybe required to appropriate quarters.

13. NIGERIAN CONTENT MANAGEMENT STRUCTURE

A Nigerian Content Manager is appointed at corporate and project level with the following responsibilities amongst others;

- a. Ensure that Nigerian Content Plan is implemented
- b. HCD Training Plan is implemented
- c. Prepare and submit Nigerian Content progress report on a monthly basis

DEMOLITION OF MOF 2 GENERAL CARGO BERTH PROJECT (CONTRACT NO: B180102TPI)		
LOCATION: BONNY ISLAND, NIGERIA	PLANT: NLNG COMPLEX	PROJECT NO: 17/MOC/PDR/017P
UNIT: 7000	NIGERIA LNG LTD	
NIGERIAN CONTENT EXECUTION PLAN		PAGE 15 OF 15
		DOC NO: B-57.305 REV: B