

DATED

202[]

NATIONAL GRID ELECTRICITY SYSTEM OPERATOR LIMITED

and

[DNO]

and

[ANCHOR RESTORATION CONTRACTOR]

SERVICE AGREEMENT
FOR THE PROVISION
OF
ANCHOR PLANT CAPABILITY (DRZ)

at

[Site name]

Contract Log No: [National Grid to provide]

Subject to Contract

Draft v.1.0

CONTRACT FORM

Parties:

"NGESO":	NATIONAL GRID ELECTRICITY SYSTEM OPERATOR LIMITED , a company registered in England with number 11014226 whose registered office is at 1-3 Strand, London, WC2N 5EH;
The "DNO"	[REDACTED], a company registered in [REDACTED] with number [Company number] whose registered office is at [registered office]; and
The "Anchor Restoration Contractor" or "AR Contractor":	[REDACTED], a company registered in [REDACTED] with number [Company number] whose registered office is at [registered office].

Background:

NGESO issued an Invitation to Tender ("ITT") for the provision of Electricity Restoration Services in the [REDACTED] region on [REDACTED].

The Anchor Restoration Contractor is the owner of generating plant within the Distribution Restoration Zone operated by the DNO and has been awarded a contract to provide Anchor Plant Capability in accordance with the ITT.

This form ("**Contract Form**") together with the document titled "Service Terms & Conditions for the Provision of Electricity Restoration Services (Anchor Plant Capability)" ("**Service Terms & Conditions**") attached (including the schedules thereto) shall form the entire agreement between NGESO, the DNO and the Anchor Restoration Contractor regarding the provision of Anchor Plant Capability.

Words and expressions used in this Contract Form and not defined herein shall have the meanings ascribed to them in the Service Terms & Conditions.

Part 1 – Conditions Precedent

A. [The AR Contractor obtaining all necessary Consents for commencing the Works].
B. [Completion of the required enabling works by the DNO].
C. [Delivery by the AR Contractor to NGESO of a Project Plan.]
D. [The AR Contractor entering into a construction agreement for the Works with its contractor].
E. [Delivery by the AR Contractor to NGESO of Acceptable Security for an amount equal to the Security Amount ¹].

Part 2 - Works Contribution Payment

A) External Costs

	<u>Party/Contractor</u>	<u>Description of Cost</u>	<u>Maximum Amount</u>
1.			
2.			

¹ If required by the tender rules.

3.			
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B) External Costs Cap

The maximum amount reimbursable in respect of External Costs is £[].

C) Internal Costs

	<u>Party/Contractor</u>	<u>Description of Cost</u>	<u>Maximum Amount</u>
1.			
2.			

D) Internal Costs Cap

The maximum amount reimbursable in respect of Internal Costs is £[].

E) Works Contribution Period

The Works Contribution Period is [] months

Part 3 - Works

A. Scope of Works: []

Part 4 – [Parent Company Guarantee²]

Clause 4.10 applies and the Guarantor Minimum NAV is []/Clause 4.11 applies and the Guarantor Minimum Credit Rating is []³

Part 5 – Anchor Plant Technical Parameters

Contracted Anchor Plant: []

Requirement	Contracted Value	Description
Auxiliary Contracted	[]MW	Contracted Auxiliary Generation. Examples: Diesel Gen, small OCGT, Gas Reciprocating Engine(s).
Number of Contracted Units	[] units	Unit or units contracted for the provision of Anchor Plant Capability.

² Delete if there is no Parent Company Guarantee

³ Delete the option that does not apply

Requirement	Contracted Value	Description
Contracted Power	[] MW	Contracted power for the service and information on how can that be delivered (Example: if two units are needed that will mean that if only one is available at a given point in time the service will be unavailable or depleted).
Time to Connect	[] hours	Time taken to start-up the Contracted Anchor Plant from shutdown without the use of external power supplies, and to energise part of the network, within two hours of receiving an instruction.
Service Availability	[] %	The ability to deliver Anchor Plant Capability over 80% of a year. Note: It is the responsibility of the AR Contractor to demonstrate its service availability. By submitting a tender, the AR Contractor commits to ensuring availability at least 80% in each year of the service.
Voltage Regulation	Un+10% - Un-10% [] kV – [] kV	Ability to create a voltage source and remain connected within acceptable limits during energisation/block loading ($\pm 10\%$).
Frequency Regulation	Existent 47.5-52Hz	Ability to manage frequency level when block loading (47.5Hz – 52Hz).
Resilience of Supply, Restoration Service	[] hours	When instructed, the minimum time the Contracted Anchor Plant will deliver the contracted service.
Resilience of Supply, Restoration Auxiliary Unit(s)	[] hours	Run continuously at the output required to support / deliver the contracted restoration Service
Reactive Capability	[] MVar	Ability to energise part of the network, managing Voltage with Leading or lagging capability whilst active power is zero.
Sequential Restoration attempts	[] start-ups	Ability to perform at least three sequential start-ups.
Short-circuit level (SCL) (following the start of a system disturbance)	$t \leq 80\text{ms}$, [] kA $t > 80\text{ms}$, [] kA	For $t \leq 80\text{ms}$: $I \geq 240 [\text{MVA}] \sqrt{3 \cdot U} [\text{kA}]$ For $t > 80\text{ms}$: $I \geq 100 [\text{MVA}] \sqrt{3 \cdot U} [\text{kA}]$ $U \equiv$ connection voltage [kV]
Inertia Value	[] MVA.s	Stored energy available in the Contracted Anchor Plant for immediate release in response to changes in power levels and thereby helping to maintain frequency and voltage on the power island within acceptable bounds. (This can be real, physical inertia as in a rotating machine, or virtual inertia as in converter-connected resources with suitable control).
Minimum Stable Operating Level	[] MW	The minimum load the Contracted Anchor Plant will have to go up to as quickly as possible to enable a stable operation.
Block Loading Size	[] MW	Ability to accept instantaneous loading of demand blocks.

Requirement	Contracted Value	Description
Initial Block Load	[] MW	To reflect any specific requirements the Contracted Anchor Plant might have around sizes of load blocks.
Maximum Block Load	[] MW	Normally aligned with the (contracted) block loading size but the Contracted Anchor Plant might be able to accommodate larger blocks.
Hold Points	When loaded with [] MW, stay there for [] minutes	If applicable, any necessary hold points when progressing with block loading.
Time Between Blocks	[] min	Time needed between blocks of load.

Part 6 - Availability Price

Part 7 – Target Availability

<u>Availability Assessment Period:</u>	<u>Target Availability for Availability Assessment Period y (A_y):</u>	<u>Scheduled maintenance days in Availability Assessment Period y:</u>

Part 8 – Notices

NGESO's address for service of Notices:

National Grid Electricity System Operator Limited
Faraday House
Warwick Technology Park
Gallows Hill
Warwick CV34 6DA

Email: []

For the attention of: []

Commercial contact []

The DNO's address for service of Notices:

[Company name]

[Company Address]

Email: []

For the attention of: []

Operational telephone contact number []

Operational contact []

The AR Contractor's address for service of Notices:

[Company name]

[Company Address]

Email: []

For the attention of: []

Operational telephone contact number []

Operational contact []

Part 9 - Senior Representatives

For the purposes of Clause 26.2 of the Service Terms & Conditions, the Parties respective senior representative are as follows:

NGESO: []

DNO: []

AR Contractor: []

Part 10 - Special Conditions

The following provisions shall supplement and, where inconsistent with the GTCs and/or the Service Terms & Conditions, apply in place of the relevant provision of the GTCs and/or the Service Terms & Conditions.

Signed for and on behalf of NATIONAL GRID ELECTRICITY SYSTEM OPERATOR LIMITED by []:	
Dated: []	
Signed for and on behalf of [DNO] by []:	
Dated: []	

Signed for and on behalf of [AR CONTRACTOR] by [] :	
Dated: []	

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