



NOTICE FOR EXPRESSION OF INTEREST REGARDING THE SUPPLY OF DNS ANYCAST SERVICE

Subject: notice for expression of interest regarding the supply of DNS Anycast Service

The Institute of Informatics and Telematics of the National Research Council located in Pisa, Via G. Moruzzi 1, Tax Code 80054330586, VAT n. 02118311006, in the person of its Director Dr. Marco Conti, following the decision to set up a contract and notice of information will proceed to assignment of the contract for DNS Anycast Service for the ccTLD .it. This notice is aimed exclusively at receiving expressions of interest to encourage the participation and consultation of economic operators, in a non-binding way for the IIT-CNR, with the sole purpose of communicating to them the willingness to be invited to submit offer.

The data provided by the proposing subjects will be processed in accordance with the Regulations EU 679/2016 and, as applicable, pursuant to Legislative Decree 196/2003 exclusively for the related purposes to carry out this procedure.

SECTION I

CLIENT

Istituto di Informatica e Telematica CNR – Registro .it - Area della Ricerca di Pisa

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SECTION II

II.1

SUBJECT OF THE SUPPLY

II.1.1

DESCRIPTION

Name given by the IIT to the contract: DNS Anycast Service for the ccTLD .it.

II.1.2

TYPE OF CONTRACT

Service contract.

II.1.3

THE NOTICE REGARDS

Entrusting of service by means of direct award of the contract pursuant to articles 36 of Legislative Decree 50/2016 as amended, for the carrying out of the above-mentioned service.

The award of the contract will be arranged by adequately motivated direct assignment, giving priority to the price element.

II.1.4

BRIEF DESCRIPTION OF THE CONTRACT

Entrusting of the service contract of **DNS Anycast** for the ccTLD .it.

Service configuration and other technical specifications are indicated in **article II.6 “MINIMUM TECHNICAL REQUIREMENTS”**

II.1.5

TOTAL AMOUNT OF THE CONTRACT

Maximum total amount € 149.500,00 euros VAT excluded.

Health and safety costs (not subject to decrease) € 0.00 (zero euros) VAT excluded.

As regards the charges deriving from overlapping work risks, it is to be noted that this Office has not drawn up the DUVRI document (Assessment of risks generated by interference between activities conducted simultaneously in the workplace), pursuant to Legislative Decree 81/2008, in that, at this moment, these risks are non-existent.

II.2

SUB CONTRACTING

Sub-contracts are not permitted.

II.3

DURATION OF CONTRACT AND CONDITIONS

The duration of the contract is 24 months starting from the date of stipulation of the contract.

II.4

FUNDING

Funding: external funds deriving from the Registrar contracts.

II.5

METHOD OF PAYMENT

The payment will be made after 30 consecutive days from the attestation of the regular carrying out by the Person Responsible for the Service. Invoicing is quarterly.



II.6

MINIMUM TECHNICAL REQUIREMENTS.

Participation is reserved to Economic Operators in possession of the following minimum participation requirements:

I. GENERAL REQUIREMENTS:

- Non-existence of the reasons for exclusion specified in art. 80 of Legislative Decree 50/2016 and subsequent amendments.

II. The following technical requirements are essential, and the non-compliance with all of them leads to the disqualification of the Economic Operator:

- The Economic Operator must provide a DNS Anycast Service for the .it, dns.it and nic.it zones, which includes the operation of the authoritative DNS Anycast servers for these zones, their management and maintenance, monitoring, etc.
- The hardware and software, where the DNS Anycast Service will run, will be provided by the Economic Operator and will be completely under her/his responsibility, as well as the routing and network infrastructure at the Anycast sites.
- At the time of the tender, the number of .it domain names is about 3, 3 million.
- The dns.it zone contains only the names of the .it authoritative nameservers (i.e. a.dns.it, r.dns.it, m.dns.it, etc.).
- The nic.it zone is dedicated to the name resolution of the IIT-Registry machines (clients and servers).
- All the nameservers used by the Economic Operator to provide the DNS Anycast Service, must have the same public IPv4 and IPv6 addresses and all these addresses have to be part, respectively, of at least a /24 and a /48 networks, used by the Economic Operator only for DNS Anycast purposes.
- The DNS software used by the Tenderer to provide the DNS Anycast service must be compliant with the relevant DNS protocol technical specifications, such as those indicated in the RFCs 1034, 1035, 2181, 2308, 4034, 4470, 5155 and their following updates.
- The DNS software used by the Tenderer to provide the DNS Anycast service must be compliant with the relevant DNSSEC protocol technical specifications, such as those indicated in the RFCs 2535, 4033, 4034, 4035, 6840, 6841 and their following updates.
- The nameservers used to supply the DNS Anycast Service must be able to perform the name resolution, if queried on both IPv4 and IPv6.
- The nameservers used to supply the DNS Anycast Service must be able to answer to DNSSEC queries for the .it, nic.it and dns.it domains.
- AXFR and IXFR zone transfers must be supported.
- Zone transfer authentication, between the distribution master(s) of .it, nic.it and dns.it, and the distribution master(s) of the DNS Anycast infrastructure, must be based on TSIG and not on IP addresses.
- It is expected that the Economic Operator for the DNS Anycast infrastructure has Anycast nodes distributed as follows. At least:
 - 5 DNS Anycast nodes in Europe;
 - 3 DNS Anycast nodes in the Americas;
 - 3 DNS Anycast nodes in Asia;
 - 1 DNS Anycast node in Africa;
 - 1 DNS Anycast node in Australia.
- The Economic Operator must provide the IIT with an authenticated Web portal where the IIT can verify if everything is working properly and can obtain traffic statistics in terms of query/s and bytes/s, both aggregated and distributed per each Anycast node".

II.7

VALIDITY OF THE OFFER

Terms of validity of the offer: 180 days from the deadline upon receipt of the offers.

II.8

1) CONDITIONS OF PRESENTATION

The expression of interest in receiving a request for a quote must be presented (pain of exclusion) in Italian or English



language.

The expression of interest in receiving a request for a quote must be sent, within **12, 30 p.m. on 15/09/2020** to the following email:

- PEC for Italian Economic Operators protocollo.iit@pec.cnr.it ,
- e.mail for foreign operators: segreteria@iit.cnr.it

The expression of interest in receiving a request for a quote must contain personal declaration (**Annex A**) pursuant to the Presidential Decree 445/2000, of the legal representative of the Economic Operator or of a subject possessing the appropriate legal rights – together with a copy of the identity document and suitable documentation which testifies to the power of attorney of the signatory.

Annex A contains the following information:

- 1) That the Economic Operator has the interest in receiving a request for a quote
- 2) That the Economic Operator possesses all the technical requirements of the service indicated in the **II.6 “MINIMUM TECHNICAL REQUIREMENTS”** at the moment of presenting the expression of interest in receiving a quote and for the total duration of the contract, if awarded, on pain of immediate annulment of the contract;

3) OTHER INFORMATION

The person responsible for the Procedure is the Director, Dr Marco Conti.

4) PHASES FOLLOWING THE AWARD

Definitive Insurance and Bank guarantee

The contractor, in order to guarantee compliance with the contractual terms and the success of the supply, according to Italian legislation, should provide for the establishment of a bank guarantee, to the sum of 10% of the net contract, pursuant to art.103 of Legislative Decree no. N. 50/2016.

Award and sending of documents

Following the award, the Company will be required to transmit, within a brief time, agreed upon unilaterally by the IIT and communicated at the moment of award, all the documents testifying to the possession of the requirements for participation, declared during the participation in the bid for tender.

Prices of the contract

The price accepted in entrusting the service to the contractor Company is fixed and cannot be varied for the entire duration of the contract.

Istituto di Informatica e Telematica
Il Direttore
Dot. Marco Conti
(IRIAM DIGITALE)



