

**ARCADIS**

**European Energy Efficiency Fund SICAV-SIF  
PRELIMINARY TECHNICAL ASSESSMENT**

**Italia- Bologna**

Azienda Ospedaliera-Università di Bologna

**MATERIAL AUTHORISATION PROCEDURES**

The scope of the project is to upgrade the energy performances with the construction (EPC Works) of the thermal power plants and technological installation which will serve the Bologna University-Hospital, S . Orsola - Malpighi. The upgrading therefore includes not only the construction works of new power plants and distribution networks, but also all the professional activities of designing and obtaining of the necessary permissions/authorizations.

The material authorization process has as "primary authorization" the environmental screening.

For this project there are essentially two alternatives:

- EIA and subsequently only one authorization required.
- Alternatively, the Environmental Screening and separate authorizations for the different parts of the works.

It was decided to follow the second solution (Environmental Screening) to allow obtaining single authorizations for each part of the works, with a higher flexibility in the planning and execution, to allow proceeding with the works, affecting both existing and newly constructed facilities, with a temporal sequence designed to ensure continuity of hospital services and progress of the works.

This choice allows AOSP to issue" directly" the single Secondary Authorizations, by a direct management of the matter with the Municipality Body.

On February 13, 2012 ISOM has submitted to Emilia-Romagna Region (ERR), the documents related to this project. The EER issued a request for clarification and amendments on 26/04/2012, ISOM submitted the required documentation on 18/07/2012, with a further integration on 01/10/2012.

At the conclusion of the procedure, the EER issued the Screening Procedure for the present project n ° 2027/2012 of 28/12/2012, with the exclusion of the VIA procedure.

Therefore, the project was divided into six different processes that require specific permissions:

1. New headquarters offices for the concessionaire;

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2. Refurbishment of the Thermal Power Plant Malpighi;
3. New underground Central Heat Station S.Orsola;
4. Refurbishment of the underground Tunnel;
5. New Distribution networks and electrical MV ring;
6. A new Cogeneration and Cooling Station S. Orsola;

The activities of items 1 and 4 (concessionaire offices, underground tunnels) are completely independent and have no relation with the project works. They have been subject to the screening procedure only as a part of the main project.

The activities of items 2 and 3 (CT Malpighi and CT S. Orsola) are related to the upgrading of the two thermal power plants in which the boilers are at the end of the lifecycle. The two redevelopments can be done separately and unaffected the other works. These will be done before the cogeneration plant and the completion of the Networks.

Only with the construction of the Cogeneration plant and the completion of the Networks (items 5 and 6) all the works can be considered as one system and subject to the ordinary authorization procedures.

ISOM issued on 15/04/2013 the new Material Authorization procedures' relating to intervention at the Hospital - University of Bologna, and this document has been attached to the PBSA as "Schedule 10 MATERIAL AUTHORIZATIONS".

The following tables represent the present situation of material authorizations, in accordance with the updating document received by the Contractor.

Milan

09.06.2014

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**LIST OF AUTHORIZATIONS**

<i>AUTHORITIES</i>	<i>ISTANCE</i>	<i>INSTANCE SENT AND PROJECT DELIVERED</i>	<i>POSITIVE OPINION</i>	<i>Document N.</i>
<b>(CONSTRUCTION OFFICES FOR SEAT DEALER) Procedure Extraordinary Maintenance with simplified procedure (ex art. 7 LR31/02) authorized by the technical department of the Hospital</b>				
<b>COMUNE DI BOLOGNA</b>	Presentation analytical study of historical and critic (Art. III-4 DTO, Art. RUE 93) together with an explanatory report of the intervention in question			
<b>USL</b>	request for opinion	12/04/2013	<b>Approved 25/07/13</b>	E1
<b>(CT. MALPIGHI - PHASE 2) Procedure for Special Maintenance with simplified procedure (ex art. 7 LR31/02) authorized by the technical department of the Hospital</b>				
<b>REGIONE E.R.</b>	screening	13/02/2012	<b>28/12/12 Esclusione VIA</b>	O
<b>CQAP (art.80 del RUE)</b>	Opinion quote for the only part of the project concerning the fire tower.	15/03/2013	<b>Approved 19/04/2013</b>	A1
<b>COMUNE DI BOLOGNA</b>	Substantial variation in the authorization to the emission atmosphere for a design power of 15.2 MW.	22/04/2013	<b>Approved 23/10/2013</b>	A2
<b>AUSL</b>	Request for Opinion integrated ARPA-USL	09/04/2013	<b>Approved with requirements 06/05/2013</b>	A3
<b>V.V.F.</b>	Opinion of the Ministry of the Interior Provincial Command-VV.FF. about conformity with the fire prevention regulations of D.P.R. n. 151/2011.	10/01/2013	<b>Approved 18/01/2013</b>	A4
<b>COMUNE DI BOLOGNA</b>	Seismic preventive authorization, pursuant to LR 19/2008 and s.m.i.	30/04/2013	<b>Approved 19/07/2013</b>	A5

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(CT. ORSOLA S) Procedure New construction with simplified procedure (ex art. 7 LR31/02) authorized by the technical department of the Hospital				
<b>REGIONE E.R.</b>	screening	13/02/2012	<b>28/12/12 Esclusione VIA</b>	O
<b>SOPRINTENDENZA BENI ARCHITETTONICI E PAESAGGISTICI PROV DI BOLOGNA</b>	Request prior opinion for the construction of thermal power plant underground	18/04/2013	<b>Approved with requirements 29/04/2013</b>	B1
<b>COMUNE DI BOLOGNA</b>	Request for derogation planning instruments (Art. 15 and art.96 LR31/02 RUE).	05/04/2013	<b>Approved 23/09/2013</b>	B2
<b>COMUNE DI BOLOGNA</b>	Request for authorization Variant substantial the emission in the atmosphere for a design power of 49.6 MW.	22/04/2013	<b>Approved 23/10/2013</b>	B3
<b>V.V.F.</b>	Opinion of the Ministry of the Interior Provincial Command-VV.FF. about conformity with the fire prevention regulations of D.P.R n. 151/2011.	03/07/2013	<b>Approved 05/08/2013</b>	B4
<b>COMUNE DI BOLOGNA</b>	Request for Opinion integrated ARPA-USL	To AOSP 17/7/2013, to Municipality 25/09/2013	<b>Approved 30/10/2013</b>	B5
<b>COMUNE DI BOLOGNA</b>	Seismic preventive authorization, pursuant to LR 19/2008 and s.m.i.	08/10/2013	<b>Approved 09/12/2013</b>	B6
(UNDERGROUND TUNNEL) Procedure New construction with simplified procedure (ex art. 7 LR31/02) authorized by the technical department of the Hospital				
<b>REGIONE E.R.</b>	screening	13/02/2012	<b>28/12/12 Esclusione VIA</b>	O
<b>V.V.F.</b>	Opinion of the Ministry of the Interior Provincial Command-VV.FF. about conformity with the fire prevention regulations of D.P.R. n. 151/2011.	21/02/2013	<b>Approved 03/10/2013</b>	C1
<b>COMUNE DI BOLOGNA</b>	Seismic preventive authorization, pursuant to LR 19/2008 and s.m.i.	18/04/2013	<b>Approved 04/09/2013</b>	C2

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(RETI fluidiche) Procedure New construction with simplified procedure (ex art 7 LR31/02) authorized by the technical department of the Hospital				
<b>REGIONE E.R.</b>	screening	13/02/2012	<b>28/12/12 Esclusion VIA</b>	O
<b>COMUNE DI BOLOGNA</b>	Request for an opinion to allow the felling of trees interfering and for a waiver to the areas of protection of plants.	14/05/2013	<b>Approved 18/07/2013</b>	D1
(C. COGENERATION AND REFRIGERATED (PAD19) AU PURSUANT TO ART. 115 LEG. No. 30/08 and AIA				
<b>REGIONE E.R.</b>	screening	13/02/2012	<b>28/12/12 Esclusion VIA</b>	O
<b>SOPRINTENDENZA ARCHITETTONICI E PAESAGGISTICI PROV DI BOLOGNA</b>	Request prior opinion for the works to be carried out in the hall 19, whether they are variants of the facade of the building that installation of cooling towers on the roof.	18/04/2013	<b>Approved with requirements 29/04/201</b>	F1
<b>COMUNE DI BOLOGNA</b>	Request for derogation planning instruments (Art. 15 and art.96 LR31/02 RUE).	05/04/2013	<b>Approved 23/09/2013</b>	F2
<b>PROVINCIA DI BOLOGNA</b>	Investigation process responsive to D.Lgs 30 May 2008, n. 115.	Bodies Meeting 04/04/2014	To be approved.	
<b>HERA</b>	Application for connection (TICA)		To be submitted.	
<b>PROVINCIA DI BOLOGNA</b>	<b>AIA Practice for the exercise of c. thermal and c. associates (total capacity &gt; 50 MW)</b>	Bodies Meeting 19/05/2014	To be approved.	