

Market consultation

'Mattresses of the future' for the penitentiary institutions of the Dutch Custodial Institutions Agency (DJI)

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Introduction

This consultation has been drawn up by the '*DJI standard mattress working group*' to obtain relevant information from the market regarding the further development of a standard mattress for the penitentiary institutions of the Custodial Institutions Agency (DJI), in preparation for a possible (European) tender.

Dutch Prison and Probation Service

On behalf of the Minister of Justice and Security, the DJI ensures the enforcement of sentences and custodial measures imposed following a court ruling.

Market consultation

DJI attaches great importance to the knowledge and skills of market parties and wants them to consult before a possible tender is held. Any market party that believes it can provide useful answers to DJI is most welcome to participate.

In the period from 16 09 2024 to 14 10 2024 before 2:00 PM CET, the '*DJI standard mattress working group*' would like to benefit from your knowledge and experience.

Structure of this document:

- Chapter 1: describes the market consultation.
- Chapter 2: describes the market consultation procedure.
- Chapter 3: principles and preconditions of the market consultation.
- Appendix A: Question and Answer form.

1. The market consultation

Contextual information to inform the participants

Custodial Institutions Agency

The Custodial Institutions Agency (DJI) is part of the Ministry of Justice and Security in the Netherlands. On behalf of this ministry, this service carries out the execution of custodial sentences and measures. With 50 locations spread across the country and a staff of 16,000 employees, DJI is one of the largest government organizations in the Netherlands. Every year, more than 30,000 new prisoners are admitted.

DJI has various different types of Penitentiary Institution (PI) for different categories of detainees:

- Remand centre for adults held in pre-trial detention or serving short-term sentences;
- Prison for adults convicted of an offence;
- Correctional institution for juvenile offenders for young people convicted of an offence, between 12 and 18 years of age, up to a maximum of 23;
- Forensic psychiatric centre for adults who have been convicted and who require psychiatric care (patients);
- Centre for transcultural psychiatry for patients with complex psychiatric disorders;
- Detention centre for foreign nationals living illegally in the Netherlands or refused access at the border and for drugs couriers.

DJI is responsible for the daily care of prisoners, which also includes decent sleeping facilities in the cell. For this reason, DJI wants to develop a suitable standard mattress for the cell. These mattresses aim to improve current issues regarding fire resistance, sustainability and comfort.

Penitentiary production companies

In-Made is the 28 penitentiary production companies of the Dutch prison system. In the context of cost reduction, detention and reintegration, approximately 8,000 detainees work at least 20 hours per week in various departments. In-Made supplies as many products and services as possible to the Dutch Prison Service. These products include soft furniture, anti-tear products and of course mattresses and pillows for detainees. It is the intention that the detainees will continue to produce the mattresses, which result from this initial study.

Therefore this innovation project aims to identify the most relevant available solutions or development paths with regard to fire-safe, ergonomic and sustainable raw materials for the cell mattresses at DJI. DJI wants to assemble the mattresses itself if possible. The production of mattresses (2500-3500 units per year) takes place in the PI Sittard. Production consists of sewing the ticking/cover from the roll. The ticking material must be hygienic, incontinence-proof, antibacterial, breathable and anti-allergic. Before the foam block is placed in the cover, a tricot cover is first applied. This is for fit and comfort. The focus of this project is the core of the mattress and the possible alternatives within the European market.

The findings of this market consultation will be decisive for the purchase of new raw materials for cell mattresses.

It is the intention of the DJI that future mattresses should:

- offer the highest possible fire safety;
- offer the highest possible resistance to vandalism;
- conform to the highest possible hygiene standards;
- offer good sleeping comfort;
- be as durable as possible;
- conform to the sustainability requirements of the DJI

Fire safety

Fire poses a real and significant risk to DJI due to the unique institutional (combined) work, living, residential and care environment of DJI and because of the use of mattresses by prisoners under the wrong circumstances, including due to psychological

disorders. Due to the responsibilities that DJI has in its care for its employees and inmates, DJI always strives for the highest possible level of safety. In the mattress, this is largely manifested in the fire safety requirement of the composite mattress, but also of the individual raw materials. DJI wants to make a good assessment of the relevant risks and not introduce a new or greater risk on the other side by better controlling a specific safety risk on one side. For example, adding chemical additives to improve fire safety at the expense of smoke development in the event of fire and/or health risks/injuries during long-term use of the mattresses. With regard to fire safety, DJI strives, taking into account a balance in the aforementioned, for a composite mattress and raw materials to at least meet the current requirement NEN-EN 597 (1&2), initially supplemented with at least Crib 5 (BS 6807) with eventual upgrading to Crib 7 (BS6807). For this reason, the fire safety of the standard mattress must be as high as possible, which makes escape safety and survivability as great as possible. To this end, the mattress core and mattress cover must comply with the BS 6807 Crib 5 and Crib 7 standard.

Vandalism

It is also important that the mattress has the highest possible resistance to vandalism. It happens that prisoners deliberately destroy mattresses due to frustration, boredom or psychological disorders.

Hygiene

Hygiene is important within a demarcated environment and the change of prisoners. For this reason, the mattress must be bacteria-resistant and thoroughly and easily cleanable.

Sleeping comfort

The mattress must provide good support for a user weight of between 60 and 190 kilograms. Sleeping comfort contributes to a good night's sleep, which may cause prisoners to experience less stress.

Sustainability/Durability

The standard mattress must be recyclable and ideally circular and not affect the user's health. The current EU Ecolabel for mattresses (and/or a comparable certification) is desirable as a certification of circularity while not an obligation for participants. The standard mattress must be free of toxic substances. The standard mattress must last at least 6 years. Prisoners stay in their cell from 5 p.m. to 7:30 a.m. and from 12 to 1 p.m. During the weekend, these hours are longer. As a result, a mattress in a Dutch cell is used for about 16 hours a day. This also means that a mattress core has a shorter life span than a mattress at home. This mainly concerns the load-bearing/supporting properties (comfort) of the foam block. Ticking and stitching last longer.

Dimensions and maximum user weight for the future standard mattress DJI

Length: 190 and 200 cm

Width: 80 and 90 cm

Height: between 14 cm and 18 cm

In-house production

The Service organization In-Made is a national organization of DJI that supports employment agencies in obtaining orders, offering practical training, preparing the production process and maintaining the administration. In-Made is not an independent entity but the umbrella formula under which DJI organizes work in detention and associated business and commercial activities from the Penitentiary Institutions (PIs).

DJI produces its own mattresses in the In-Made production company at the Sittard location, which are used within correctional institutions. For this purpose, raw materials/materials must be purchased with which the desired standard DJI mattress, as described above, can be produced.

For more information about DJI and branches, please refer to: <https://www.dji.nl>.

Intended result market consultation

The intended result is to gain insight into the possibilities and limitations with regard to, among other things:

The ready to use alternatives available in the European market for the existing cold-foam mattresses.

Two separate searches have been undertaken.

The primary search prioritized mattresses that;

- exist in the market as viable alternatives;
- offer the highest possible fire safety;
- offer the highest possible resistance to vandalism;
- offer the highest possible hygiene certification;
- offer insights pertaining to ergonomic comfort
- offer the highest degree of sustainability and/or circularity as per the DJI's requirements.

The secondary search prioritized bio-based mattress materials that;

- Exist in the market as a bio-based alternative for the mattress core
- Exist in the market as a circular alternative for the mattress core.
- DJI policy regarding circularity is to;
 1. Reduce the use of raw materials;
 2. Replace raw materials;
 3. Extend lifespan;
 4. High-quality processing.

An additional intended outcome is to provide insights for the preparation of a tender as a result of the initial market consultation.

2. Market consultation procedure

By participating in this consultation, you unconditionally agree to the principles and preconditions as mentioned in this chapter and chapter 3.

2.1 Timetable

The following timetable applies to this market consultation:

Activity	Deadline
Publication market consultation	23 / 09 / 2024
Deadline for submitting response using appendix A Response Form to market consultation (Question and Answer form)	22 / 10 / 2024 before 2:00 PM CET

You cannot derive any rights from the above schedule. Only DJI can adjust the timetable if there is reason to do so.

2.2 Contact person market consultation

The contact person of DJI for the market consultation is Marcel Tuin, correspondence takes place via the '*Message module*' of TenderNed.

2.3 Submitting reaction market consultation

DJI has formulated a number of questions and these are included in Appendix A Question and Answer Form of this document. Participants are requested to answer the questions as well and as extensively as possible (including substantiation) in Appendix A Question and Answer Form and to submit them via the '*Message Module*' of TenderNed no later than 2:00 PM CET on 14 10 2024. The request is to submit it as a Word document in connection with the processing of the answers provided by DJI.

In response to the submitted responses, DJI will keep the option open to invite participants to provide additional explanation (orally) on the information they submitted or to discuss the shared information/ideas further. This will take place on the basis of individual conversations.

DJI is expressly not obliged to invite every participant for further explanation or discussion, or to provide a statement of reasons as to whether or not a party has been selected for this purpose.

2.4 Closing market consultation

DJI will conclude the consultation by publishing a report of the consultation publicly on www.tenderned.nl. The report will name parties that responded to the questions.

Relating to this report, DJI expressly points out the following to participants:

- The report will be published publicly;
- The report will mention the participating market parties;
- The report will **not** mention the content of the answers in order to protect the answers given in confidence;
- The report will **not** be coordinated with the participants in draft form.

3. Principles and preconditions

The principles and conditions stated below apply to this consultation:

- DJI will observe the principles of non-discrimination and transparency when conducting this market consultation;
- This document is for market consultation purposes only;
- The market consultation is not part of the possible European tender, but a separate market consultation round. It is entirely up to DJI whether or not a tender is held;
- This market consultation is explicitly **not** intended to make a pre-selection of candidates or interested parties in the context of a proposed European tender. Market parties that do not participate in the consultation are not excluded from participating in a possible tender. Nor are participants who do participate in the consultation in any way excluded from, or privileged in, a possible participation in a tender;
- DJI also reserves the right:
 - To carry out a tender in a completely different form and content than was suggested as possible in the market consultation;
 - To temporarily or permanently discontinue this market consultation.
- The market consultation is without obligation for all participants and DJI;
- Participants (including parties not participating in the consultation) cannot derive **any** (mutual) obligations or rights towards DJI from this market consultation;
- Participation in this market consultation does not confer any right to obtain an order;
- Any costs for participating in this market consultation will not be reimbursed by DJI;
- The provided substantive information and/or price information will be treated confidentially by DJI. The participant in the market consultation agrees that the provided information can be used for drawing up and holding a tender. Information will not be traceable to an individual participant in the market consultation;
- Information provided in the context of the market consultation may differ from information to be provided in a tender procedure;
- The language used during this market consultation is English;
- DJI is in no way bound by the results of the market consultation or obliged to implement and/or tender the project to which this consultation relates;
- Claims regarding the use of information, confidentiality or requests for compensation in connection with the information obtained from the market consultation will not be honored;
- By participating in this market consultation, participants indicate their unconditional agreement with the terms and conditions as stated in this document.

Requirements regarding the information to be provided

The information to be submitted must meet the requirements listed below:

- Participant of the market consultation declares that he has taken note of and unconditionally agree with the principles, requirements and conditions as included in this market consultation, including;
- It is not permitted to attach any conditions or reservations to the information provided to the market consultation.