KONEPS

Public Procurement Sharing Platform in Korea











2025. 4. 30





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<Careers>

(2025.02~) Adjunct Professor of Public Procurement at Chungbuk Health & Science University

(2023.07~) Full-time Professor of Public Procurement Competency Development Institute

(2022.01~2022.11) Reform and revision of laws and systems related to public procurement

(2017.02~2021.12) Management of public procurement contract operations

- Information Technology and Service Contract
- Suppliers and customer support and management
- Director of a Local PPS Office

(1994.02-2017.02) Building and operating the KONEPS



Contents

- I. Public Procurement in Korea
- **II. KONEPS Overview**
- III. Efficiency of public procurement
- IV. Transparency and Fairness in public procurement



I . Public Procurement in Korea

1. Role of the Public Procurement Service



The Role of the PPS (Public Procurement Service)

As of December 2024

Procurement Service

- Goods Procurement(23B USD)
- Service Contract(6.2B USD)
- Construction Contract(19B USD)
- Construction cost review or Management (20B USD)

Goods & Property Management

- Goods(16M items, 17B USD)
- Property(25.6% of the country's total area)

Stockpile Management

- Nonferrous Metal(6), Rare Metal(8)
 Emergency supply and demand control material(5)
- Reserved(251M USD)
 Released (290M USD)
 - → Stability of Price and Supply

Public
Procurement
Service

KONEPS Management

- Centralized Procurement system
- Korea ON-line E-Procurement System

2. Public procurement policy in Korea



Centralized & Decentralized Procurement

 Central government entities are required to use PPS services for procurement above the threshold value

Goods & Services	above 77,000 USD (100,000,000 KRW)
Construction Works	above \$2,310,000 USD (3,000,000,000 KRW)

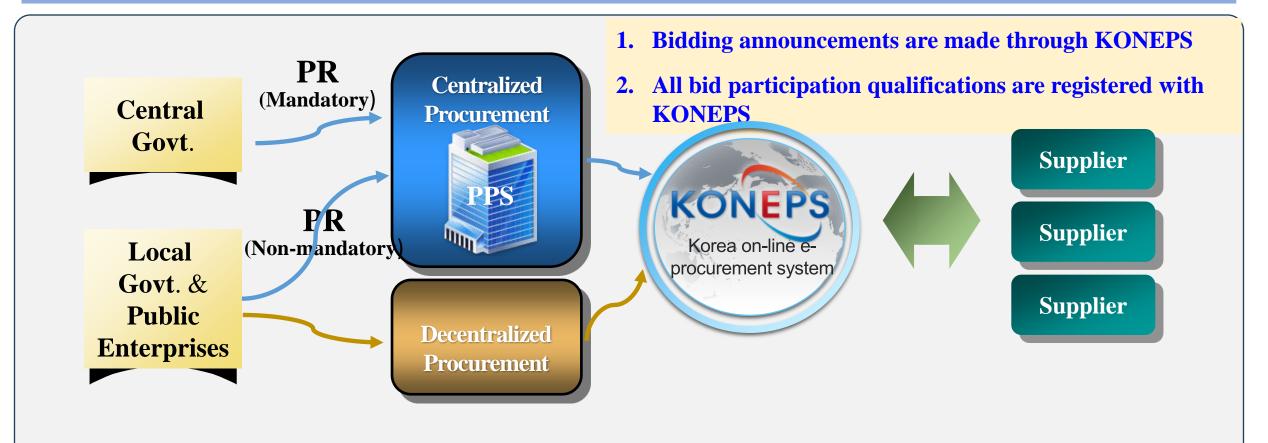
- Local govt. entities and public enterprises may procure either autonomously or use PPS services
- All public entities should purchase from PPS's Public shopping malls* whenever applicable

- ✓ Of PPS's procurement, 48.4% was upon mandatory procurement request and 51.1% was upon non-mandatory procurement request
- * Public shopping malls: unit-price framework contracts for commercial products established by PPS.

 All public entities may place orders against MAS contracts.

3. Public procurement system in Korea





- ✓ Other Procurement system in Korea(28)
 - Central government: Defense Acquisition Program Administration
 - Public enterprise(24): Korea Railroad corp. Korea Electronic Power Corporation etc.)
 - bidding system for special part(3): S2B, e-aT, k-apt

4. e-Procurement Laws & Regulations



Laws on electronic documents and signatures

- **❖** Framework Act On Electronic Documents And Transactions
- **❖** Digital Signature Act
- **Solution** Electronic Government Act

Laws on public procurement

- **Act On Contracts To Which The State Is A Party (for central Gov.)**
- **Act On Contracts To Which A Local Government Is A Party (for Local Gov.)**
- **❖** Government Procurement Act (for PPS)

Law on e-Procurement

- **Electronic Procurement Utilization And Promotion Act**(2013. 3. 22)
 - Enforcement Decree, Enforcement Rule(2013. 9. 17)



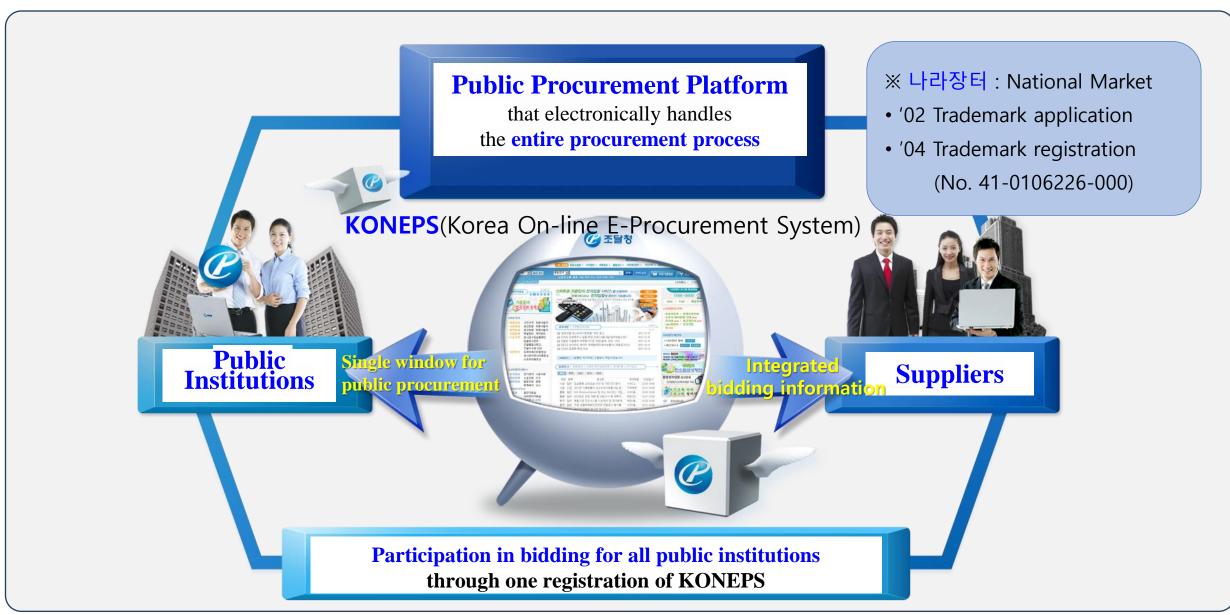
- **17 types Rules of contract** (including Government Bidding and Contract Execution Standards)
- **4** 9 types Rules of e-Procurement (including Special Notice for Electronic Bidding)



II. KONEPS Overview

1. Concept of KONEPS





2. Launch the KONEPS



Beginning of e-procurement

1997~2001

Centralized e-Procurement system (e-Procurement EDI)

KONEPS development

2001~2002



One of the 11 key projects for e-government

- Establishment of Basic Plan for G2B Activation(2001)
- Full Grown Promotion of G2B Project(2002)

Launch the KONEPS

2002.10

Single window of e-procurement for public entities

2. Launch the KONEPS



11 key projects for e-government

Innovation in Services

- Government-wide e-Procurement System
- > Single Window for Civil Services
- Integrated Social Security Information System
- ➤ Internet-based National Taxation System

Administrative Productivity

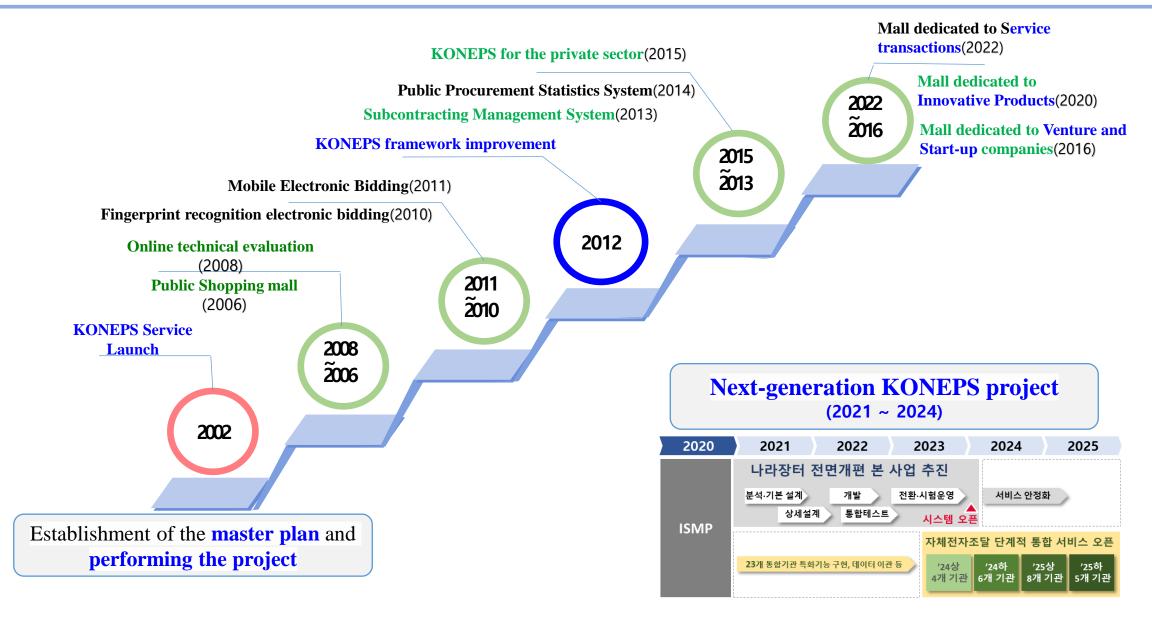
- National Finance System
- Integrated Administration System for Local Governments
- ➤ Nation-wide Educational Administration System
- Standardised Human Resources Management System
- Consolidation of e-Document Exchange and e-Reporting

Infrastructure

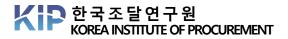
- > E-Authentication and e-Signature System
- Government-wide Information Technology Governance Environment

3. Continuous improvement in KONEPS



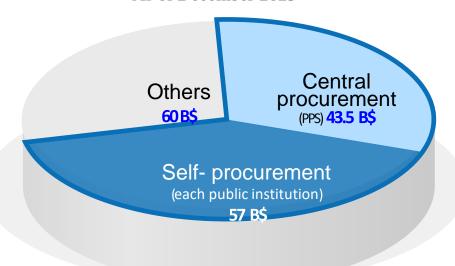


4. Scale of public procurement using KONEPS in Korea



Korea's annual public procurement transaction results 160 billion dollars

*As of December 2023



20

User Size



Size of bid use

*As of December 2024

Buyer: 71,757

Supplier : 602,681

Electronic Tender Notice: 558,787

Bid participants: 47,980,000

Electronic bidding execution: 291,398

Electronic contract: 1,111,916

Of the total public procurement transactions

(160 billion dollars),

the size of the KONEPS is around

(100 billion dollars)

handwritten contract: 9.3billion \$ (5.8%)

System linkage status

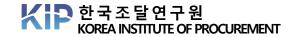
linked to

183 institutions and businesses

38 in '02 \rightarrow 141 in '13

→ 183 in **'25**

5. KONESP Users



End-user institutions

classifica	Central	Local agency		Public Corporation				Non-classifi	Total	
	tion	Gov.	Local Gov.	educational facilities	Public corporation	Quasi-Gov. institution	Non-classified public institution	local public corporation	ed agency	Total
	num.	5,608	7,162	12,840	1,088	1,462	539	286	42,772	71,757
	Rate	7.82%	9.98%	17.89%	1.52%	2.04%	0.75%	0.40%	59.61%	

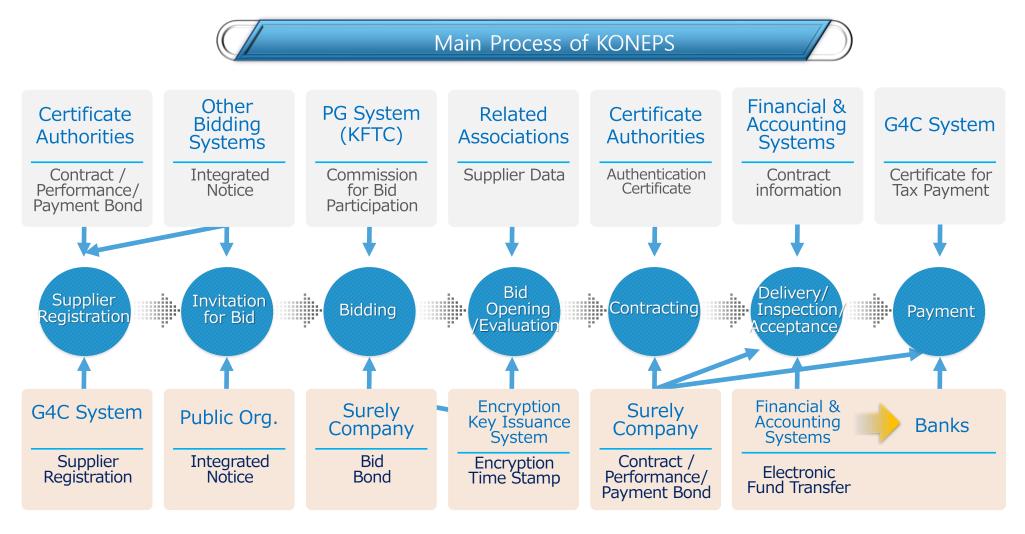
Suppliers

99.07%

Classification	Large enterprise	Middle-standing Enterprise	Small-medium Enterprise	Non-profit Organization	Total
num.	1,281	4,309	583,351	13,740	602,681
Rate	0.21%	0.71%	96.79%	2.28%	

6. Interoperated with external system

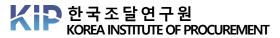






- All processes are digitalized from supplier registration to payment
- One-stop service is provided by using the linkage with 183 external systems

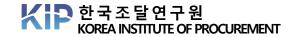
7. KONEPS Main system & Subsidiary system

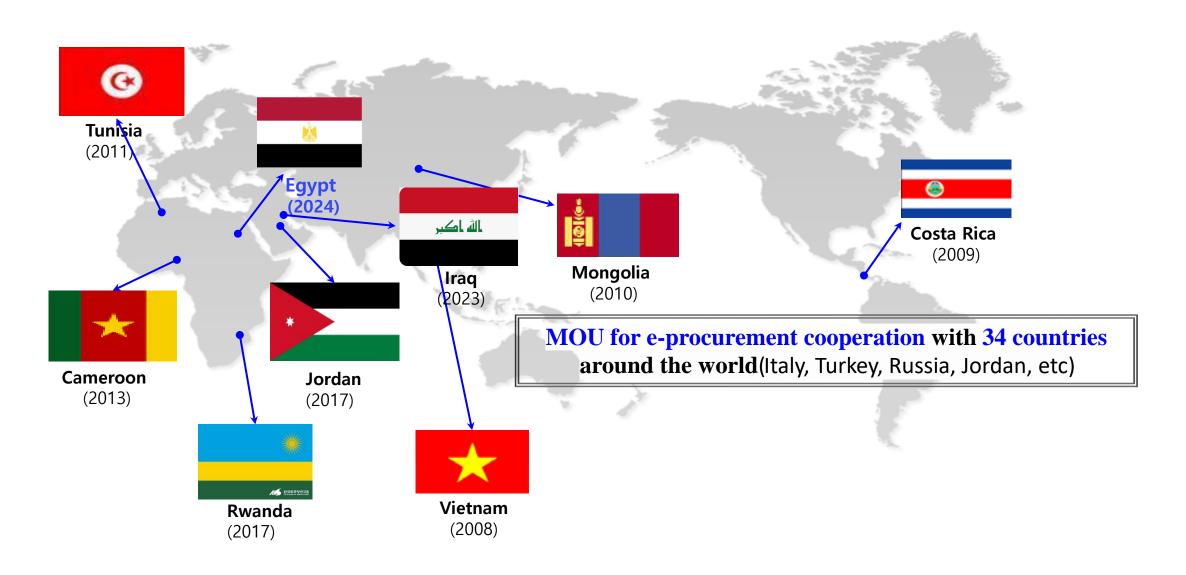


KONEPS connects the main system and 29 sub systems in a complex and organic way

KONEPS System MAIN SYSTEM **MAIN SYSTEM** Purchase User Payment e-Bidding e-Contract Inspection registration request **Innovation IT Evaluation Shopping mall** Venture mall mall **System Collusive Subcontract** Contract Cost **Public Procurement** analysis fulfillment **SUB** management management Data Hub **SYSTEM Open** Data procurement procurement Big data Warehouse statistics information **Product RFID Inventory Mobile Private mall** identification **KONEPS** management

8. KONEPS in the world



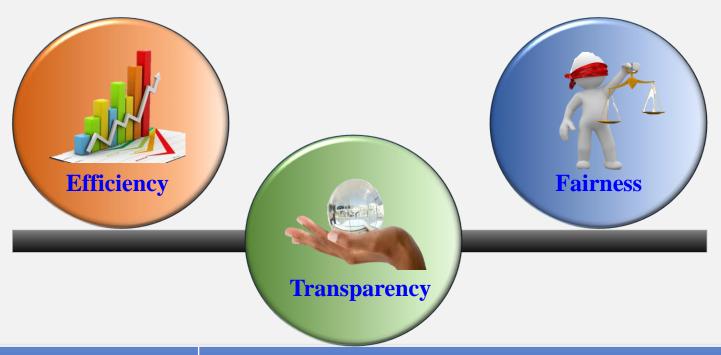




III. Efficiency of public procurement

1. The three principles of public procurement

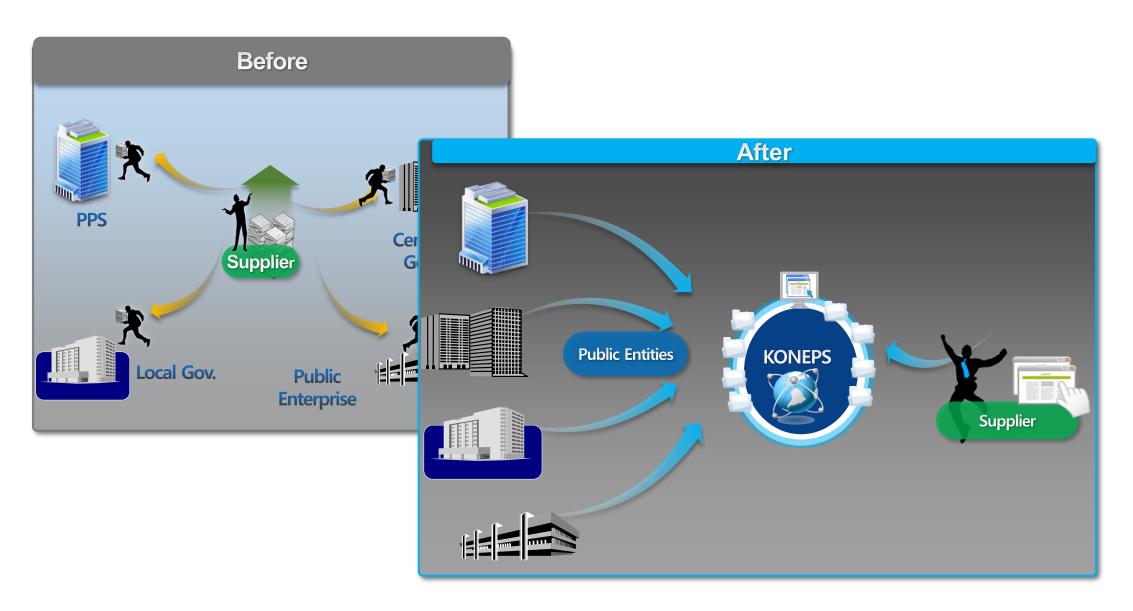
Balance between Efficiency and Fairness



Private sector	Focus on Results over Process
Public sector	Focus on Process over Results

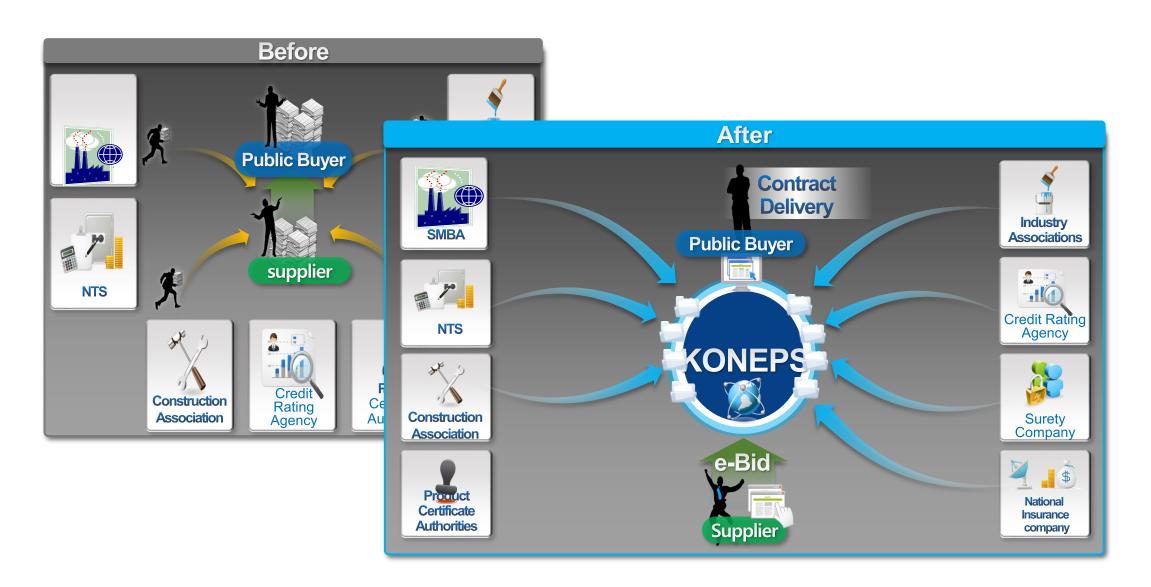
2. Single window for public procurement





3. One-Stop Service by information sharing





4. Pre-registration and sharing of biding qualifications 한국조달연구원 KOREA INSTITUTE OF PROCUREMENT

- * Eligibility for bidding participation must be proven by documents issued by the relevant agency
- ❖ In order to efficiently carry out competitive bidding work,
 - qualifications for participation in competitive bidding can be registered in advance and qualifications for bidding participation can be granted through this.

However, the prerequisites must be met





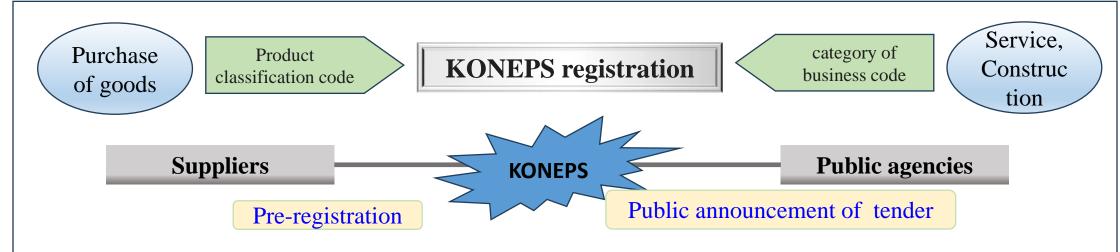


❖ Competitive bidding qualifications can be registered with KONEPS in advance, which is considered to have been registered with other government offices

4. Pre-registration and sharing of biding qualifications 한국조달연구원 KOREA INSTITUTE OF PROCUREMENT



- Registration of competitive bidding qualifications and issuance of registration certificates according to goods, construction, and services
 - Check documents issued by related agencies required for business registration
 - Business verification (corporate registration certificate, business registration certificate)
 - Check whether it is manufactured or not
 - Regulations for registration of qualifications to participate in bidding -



5. Replace bid deposit with payment memorandum Kip 한국조달연구원 KOREA INSTITUTE OF PROCUREMENT



The deposit is a system to ensure the faithful performance of public procurement participants

Bid deposit, contract deposit, payment deposit, defect deposit, etc

❖ Bid deposit: Penalty to be imposed if the successful bidder refuses to conclude the contract

!! It must be returned to bidders who did not win the bid

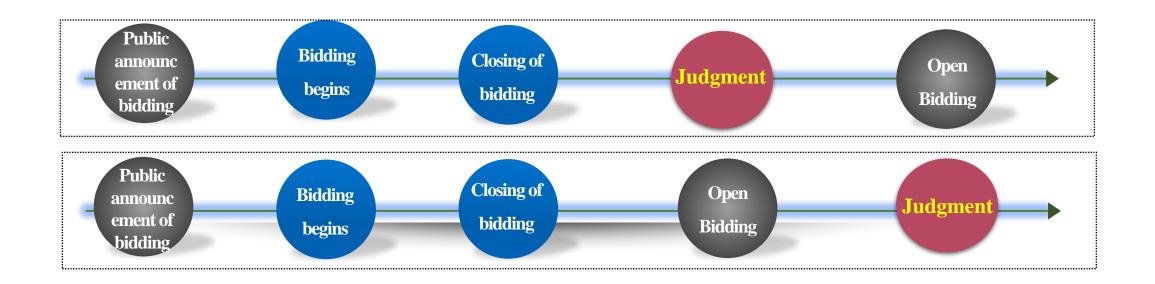


Replacement with payment memorandum(1999)

Except when there is a risk of avoiding the conclusion of a contract

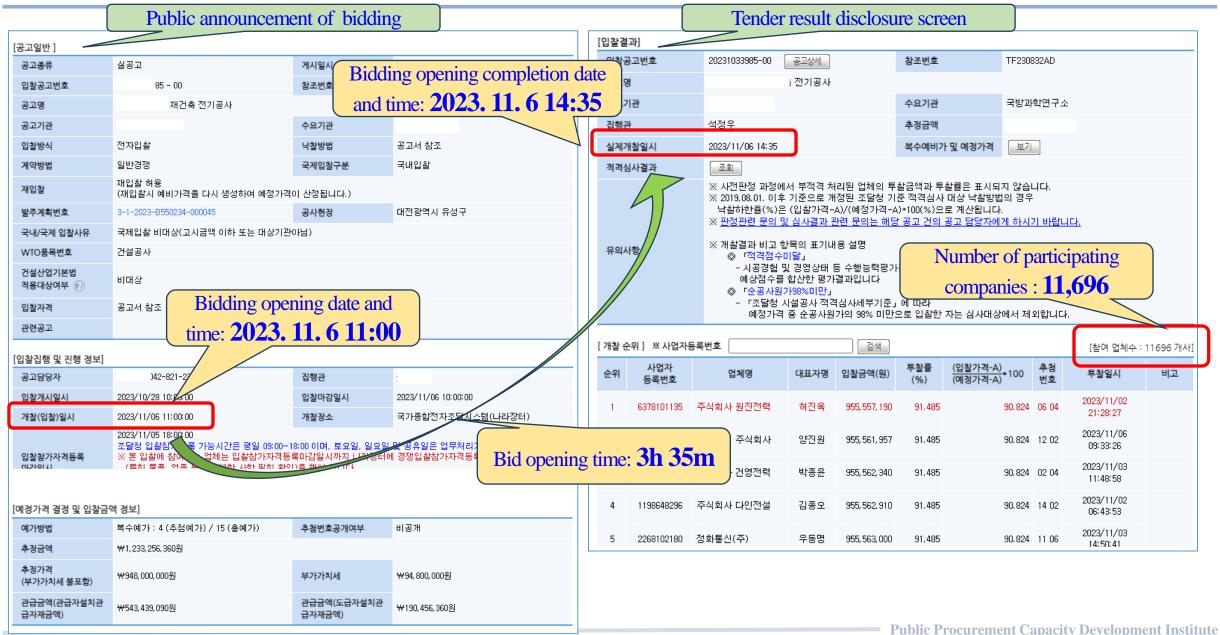
6. Post-judgment of qualifications for participation Kip 한국조달연구원 KOREA INSTITUTE OF PROCUREMENT

- **❖ Judgment of bid participation qualifications** :
 - (pre-judgment) Judgment before bid opening
 - (post judgment) Decision made after bid opening to shorten bidding time
 - KONEPS terms and conditions-



[Example] KONEPS bidding process time





7. Cost Savings of KONEPS



 KONEPS is saving transaction costs of USD 8 billion annually

✓ Private Sector : USD 6.6 billion

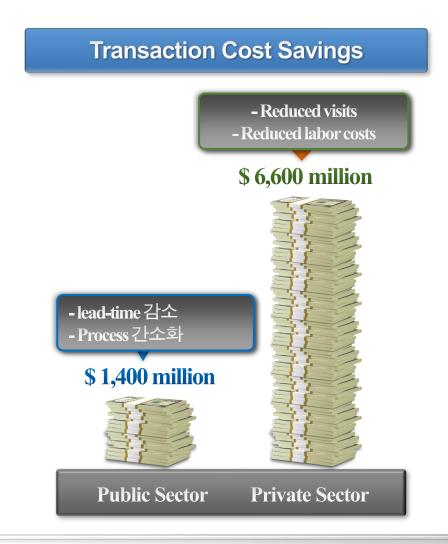
✓ Public Sector : USD 1.4 billion

(Hanyang University, 2008)

- Increased efficiency
 - ✓ Receiving bids, validating related docs. and selecting the winning bid

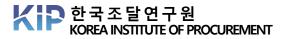
Before	over 30 hrs				
After	less than 2 hrs				

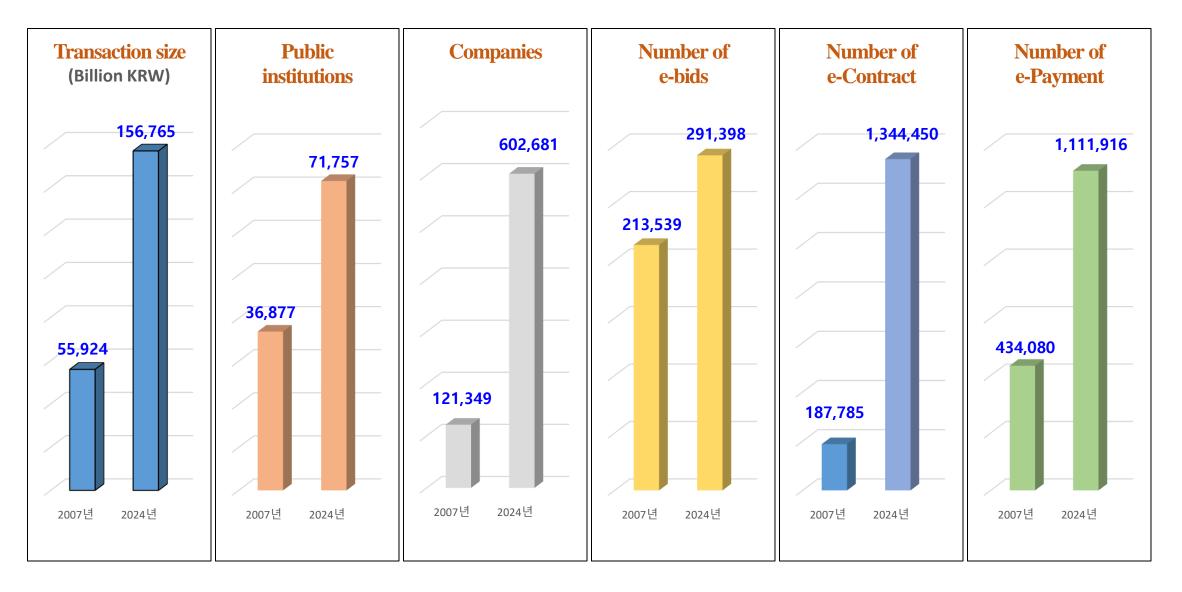
✓ Reduction of 7.8 million pages of paper documents per year



❖ 55,924 Billion KRW (2007) => **143,203** Billion KRW (2024) (**2.8-FOLD**)

8. Comparison of KONEPS usage in 2007 and 2024





9. Achieving policy objectives through KONEPS



***** Efficient means of implementing government policies

Support new technology products, environmental protection products, socially disadvantaged and socially responsible companies

* Additional points for bidding, Theme mall, Exclusive mall

Technical Innovation Policy

Net Excellent Technology
New Excellent Product

K-Mark/Korean Standard Product

Good Software /
Good Design Product

Excellent Performance
Certificated Product

Patent / Utility Model Product

Green Policy

High Efficient energy Equipment

Save energy Product

Eco-Label Certificated Product

Recycled Product

Social Support Policy

Disabled person's Product

Organizations of Patriots and Veterans' Product

Woman Business Enterprise

Culture goods

Disabled person-Owned Enterprise

Social enterprise

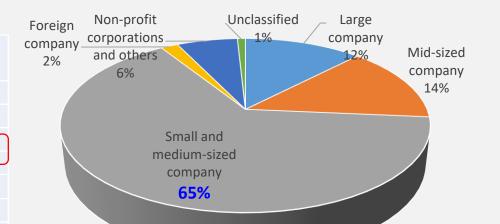
9. Achieving policy objectives through KONEPS

(단위 · Rillion KRW)



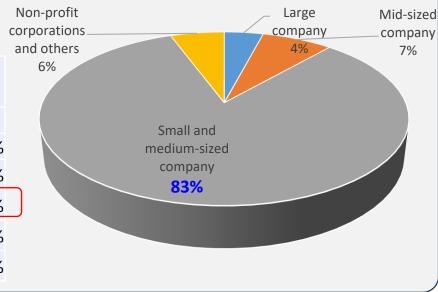
Performance by company size (Entire)

Company classification	Number of contracts	Amount	Ratio
Large company	2,185,00	255,66	12.26%
Mid-sized company	294,23	295,35	14.16%
Small and medium-sized company	6,313,38	1,348,06	64.63%
Foreign company	2,61	37,31	1.79%
Non-profit corporations and others	438,53	132,02	6.33%
Unclassified	902,69	17,45	0.84%
Total	10,136,44	2,085,85	100.00%



Performance by company size (KONEPS)

Company classification	Central procurement		Distributed procurement		Total	
Company diassincation	Amount	Ratio	Amount	Ratio	Amount	Ratio
Large company	79,92	13.23%	33,76	4.08%	113,68	7.94%
Mid-sized company	73,24	12.12%	61,18	7.39%	134,42	9.39%
Small and medium-sized company	437,22	72.36%	686,34	82.91%	1,123,56	78.46%
Non-profit corporations and others	13,86	2.29%	46,51	5.62%	60,37	4.22%
Total	604,24	100.00%	827,79	100.00%	1,432,03	100.00%





IV. Transparency and Fairness in public procurement

1. KONEPS Mandatory Use Regulations



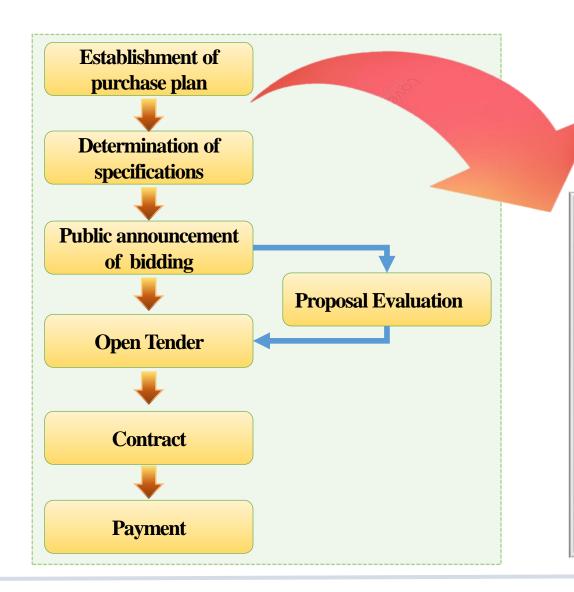
- Public announcement of bidding: Should be publicly announced using KONEPS
 - * Parallel if necessary: Daily newspapers (central GOV.) or homepages (local GOV.)
- Submission of bid: Must apply using KONEPS
 - * In exceptional cases : direct bidding, postal mail bidding is possible: international bidding etc



- Purchase through quotation: Should be done by way of competition using KONEPS
- Submission of technical proposals: In principle, submission is made using KONEPS
 - * In exceptional cases, submissions may be made by e-mail or postal mail
- Central governments and local governments cannot separately bid for goods or services contracted by the PPS at a unit price.
 - * Number of businesses: 13,835 Number of Items: 1,016,745, Amount supplied 18 Billion \$

2. Disclose information at each stage of procurement Kip 한국조달인





Disclosure of purchase plan to KONEPS

Central GOV. : quarterly

Local GOV.: When plan is established, without delay

What is revealed

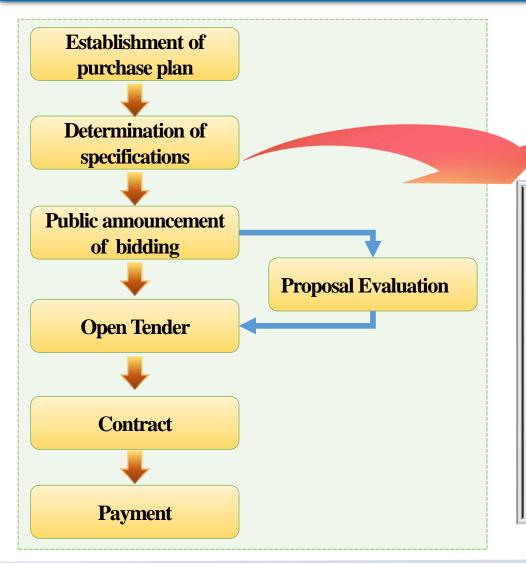
Purchasing agency, purchase time, item, amount, bidding method, person in charge and contact information, etc

Negotiated contracts also require the purchase plan to be disclosed.

2. Disclose information at each stage of procurement KIP 한국조달연



2. Determination of specifications



Disclose detailed specifications of items to be purchased prior to bidding announcement.

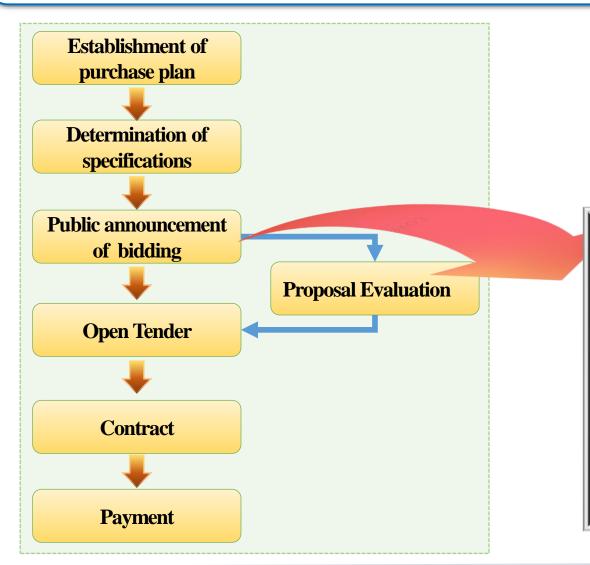
Companies participating in the bidding are directly inspected to see if specific specifications that may limit competition are included.

- Item: Specification sheet
- Service: Task details
- * First implemented by the PPS, then legislated by the Legislative Research Service (2016)

2. Disclose information at each stage of procurement Kip 한국조달연



3. Public announcement of bidding

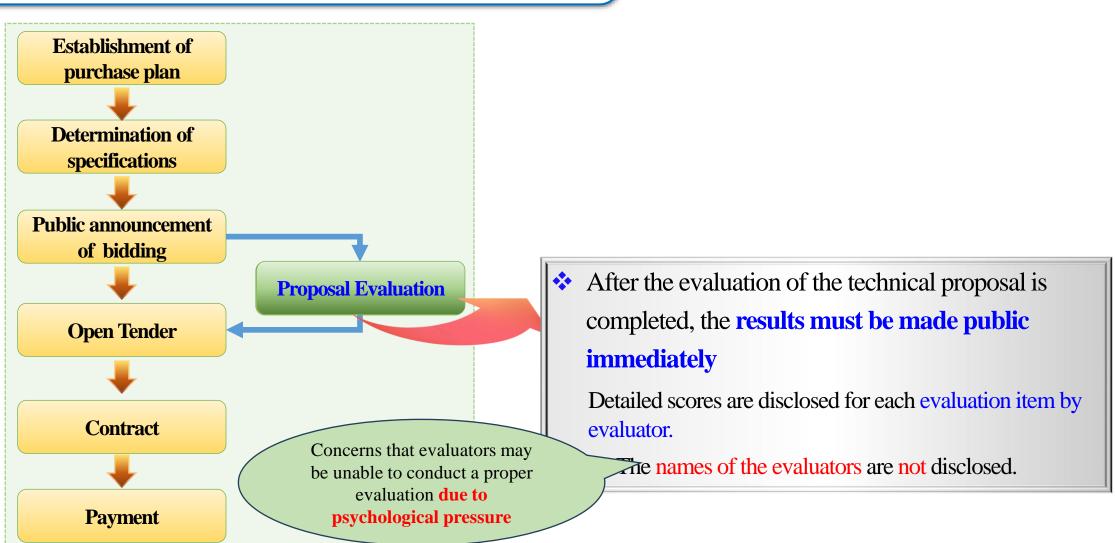


- **❖** Bidding announcements from all public institutions, including central agencies, local governments, and public enterprises, are **posted on** the KONEPS.
 - More than 20 items, including the place and date of bidding, are stipulated in the law
 - All bidding information that does not require security is provided to KONEPS in the form of attachments.

2. Disclose information at each stage of procurement Kip 한국조달연구원 korea institute of procurement



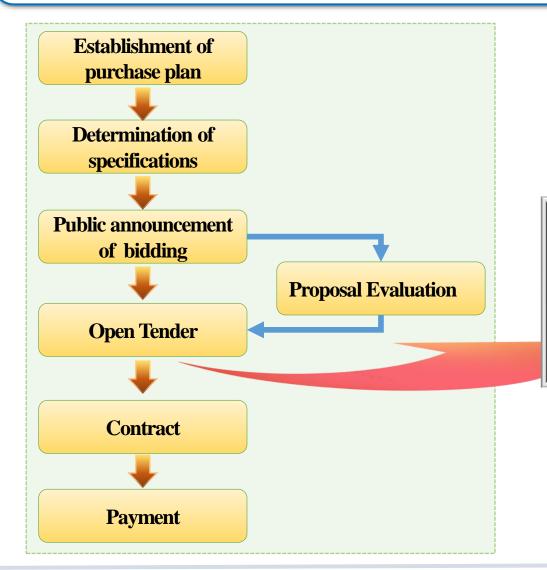
4. Proposal Evaluation



2. Disclose information at each stage of procurement Kip 한국조달연구원 KOREA INSTITUTE OF PROCUREMENT



5. Open Tender



A bid is opened, the results are immediately made public.

The list of companies that submitted bids, the bid amount, and even the time of bid are disclosed.

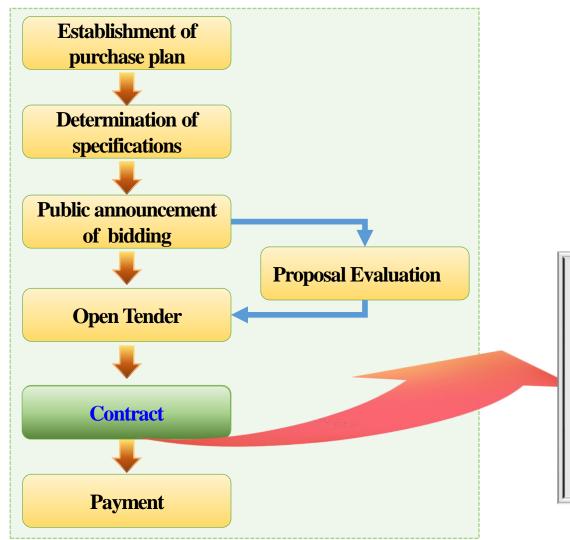
> Once the bid opening results are published, they cannot be changed or re-opened under any circumstances.

* What if the bid was conducted incorrectly?

2. Disclose information at each stage of procurement Kip 한국조달연구원 KOREA INSTITUTE OF PROCUREMENT



6. Contract

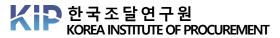


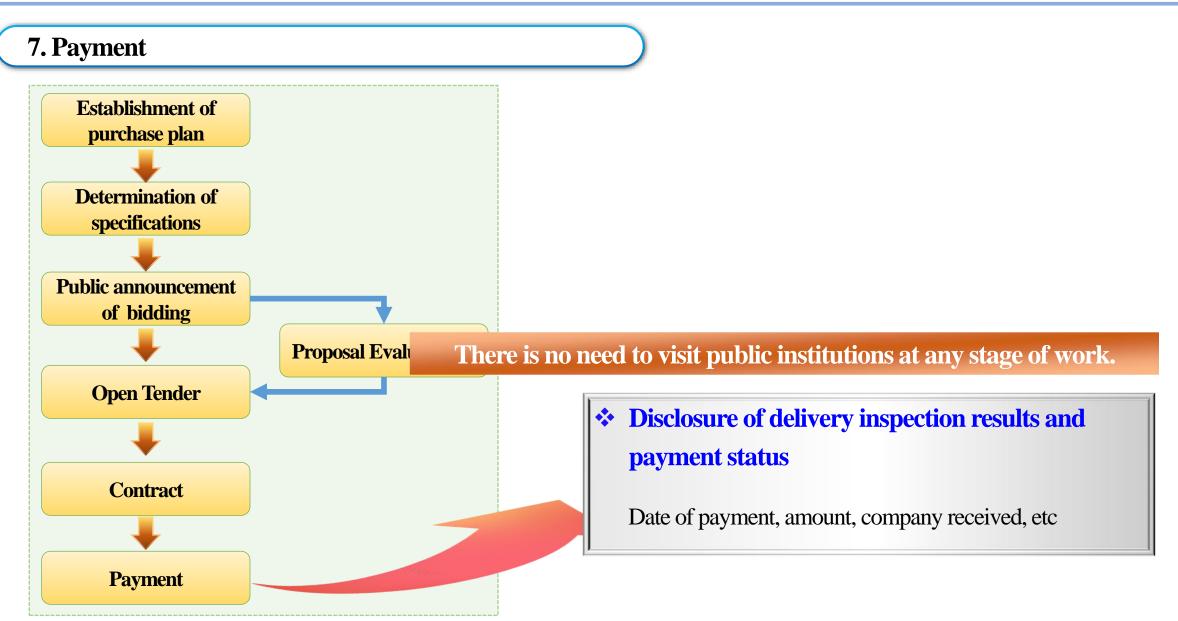
Public institutions must disclose all details of their contracts

Including **negotiated contracts** and **contracts not** concluded in KONEPS

Excluding contracts requiring confidentiality as stipulated by law

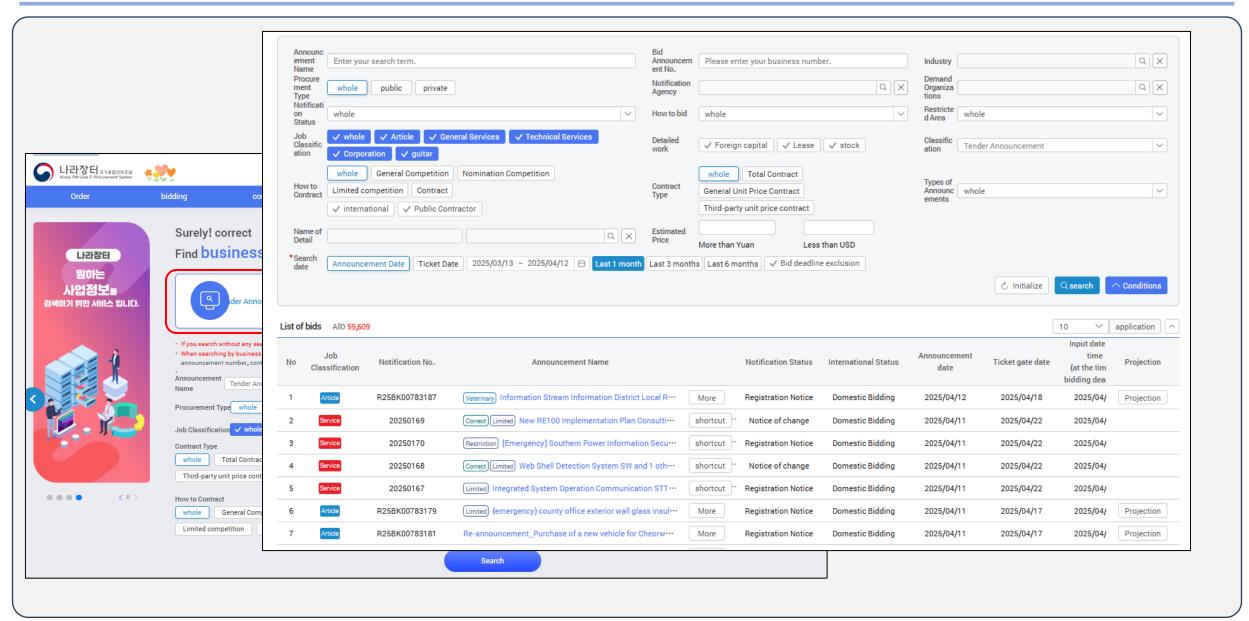
2. Disclose information at each stage of procurement Kip 한국조달연구원 KOREA INSTITUTE OF PROCUREMENT





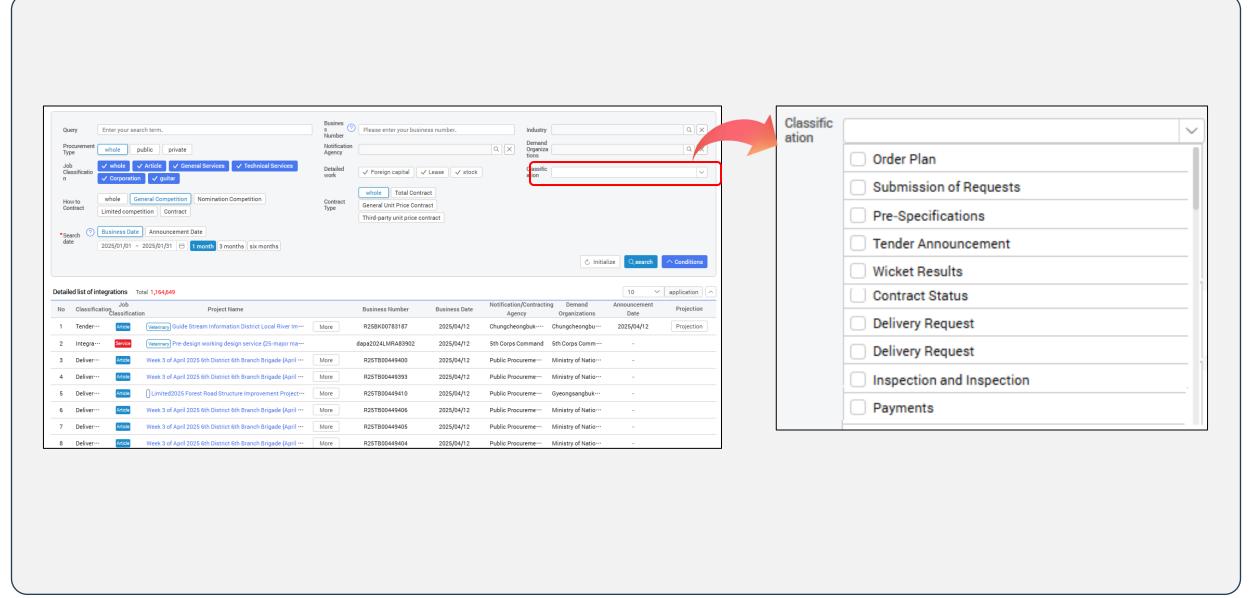
3. Example of information disclosure by KONESP





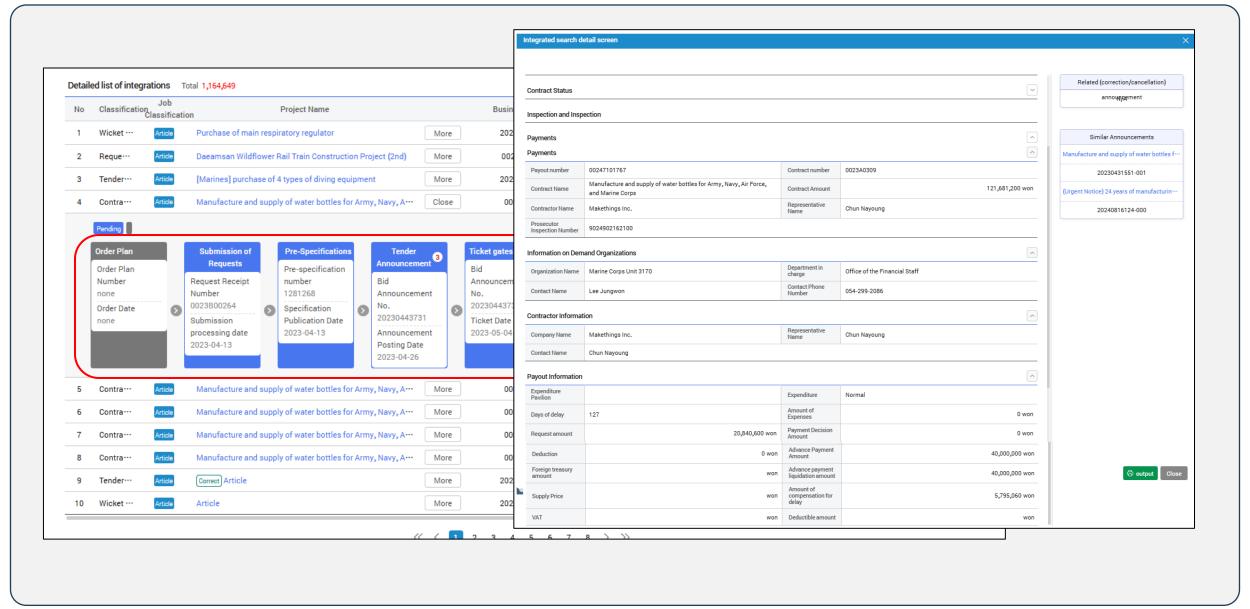
3. Example of information disclosure by KONESP KIP 한국조달연구원 KOREA INSTITUTE OF PROCUREMENT





3. Example of information disclosure by KONESP KIP 한국조달연구원 KOREA INSTITUTE OF PROCUREMENT







금융

경남은행횡령사고금액3천억

85억 횡령 수자원공

안준영 기자 jyoung@busan.com

[비즈니스포스트] BNK경남은행 횡령 사고 규모가 3천 역 업적: 2022-09-19 10:3907 억 원대로 알려졌던 것의 6배 수준이다.

20일 금융감독원은 최근 경남은행에서 발생한 부동산 해 긴급 현장검사를 실시한 결과 은행투자금융부 직원 (됐다고 밝혔다.

횡령 사고로는 역대 최대 규모로 알려졌다.

횡령에 따른 경남은행의 순손실 규모는 595억 원으로 집계됐다.

15년 동안 PF 대출 업무를 담당해온 이모씨는 2009년 5월부터 2022년 7월까지 본인이 관리 하던 17곳 PF 사업장에서 모두 2998억 원을 횡령한 것으로 파악됐다.



국내 첫 스마트시티

85억 원을 횡령해 중형을 5월 26일 보도)이 2억 원들

부산지법 서부지원 형사4 선고했다고 19일 밝혔다.

A 씨는 2014년 1월부터 2

Business Post

끼주일보

1200만원 횡령한 서귀포시 공무원 적발..감사원 파면 요구

○ 김두영 기자 | ○ 승인 2024.05.09

서귀포시, 10일 인사위원회 통해 징계 수위 결

1000만원이 넘는 공금을 횡령한 서귀포시 공무원이 ?

감사원은 9일 '2023년 공직비리 기동감찰' 주요 감시 공무원 A씨(6급)에 대해 파면 징계를 요구했다.

A OO City official was caught embezzling \$8,800. The Board of Audit and Inspection requested his dismissal.

감사원에 따르면 서귀포시 소속 회계 담당 공무원인 AME 2010 포시 모 읍사무소와 보건소에서 근무하면서 관급자재 대금 300여 만을 조달청에 지급하 는 과정에서 조달청이 아닌 자신의 계좌로 입금하는 등 10차례에 걸쳐 1208만원을 횡령 한 것으로 밝혀졌다.

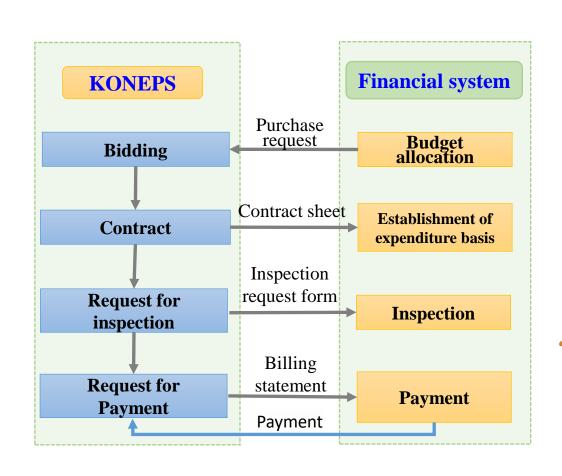
A씨는 횡령한 자금으로 의류를 구입하거나 생활비 등으로 사용한 것으로 밝혀졌다.

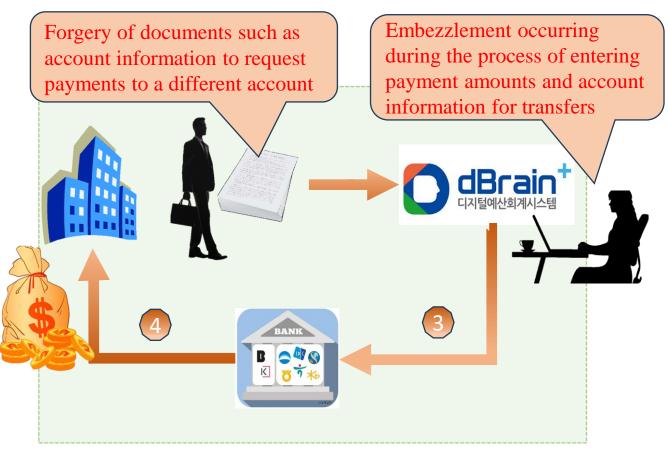
특히 A씨는 자신의 횡령 사실이 드러나지 않도록 세금계산서 등 관련 서류를 변조하는 A 씨는 2014년 1골두덕 2 수법으로 허위 지출경비를 만들거나 다른 경비를 부풀려 집행한 것으로 조사됐다. 입금한 보증금 2억 원을 되지 글네 빼굴로 법과를 로맡다.

4. Eradication of corruption in the contract payment processkip 한국조달연구원 KOREA INSTITUTE OF PROCUREMENT

Transparent and prompt payment of contract amount

through the connection between the **financial system** and the **procurement system**

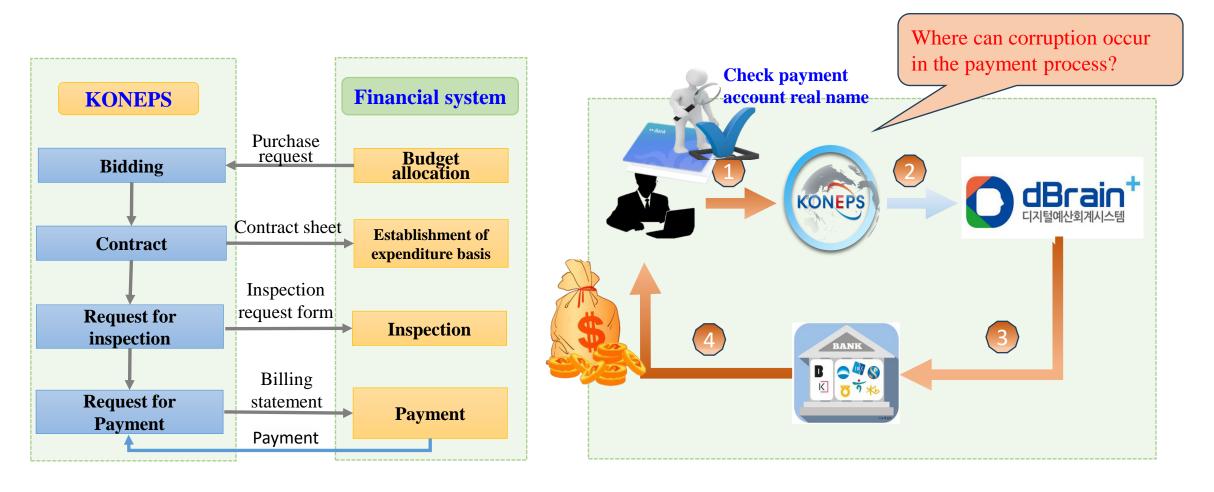




4. Eradication of corruption in the contract payment processkip 한국조달연구원 KOREA INSTITUTE OF PROCUREMENT

Transparent and prompt payment of contract amount

through the connection between the **financial system** and the **procurement system**



5. Transparent and fair technology proposal evaluation Kip 한국조달연구원 korea institute of procurement

Items and Score of Evaluation

	Contents	Score
Total		100
Technical Ability	-Technology & Knowledge - Technician, Organization, Management skills -Project Management Plan - Support Knowledge and Management after Project -Career of Conduct of Similar Projects -States of finance or Management -Collaboration	80 ~ 90
Bidding Price		10 ~ 20

- Creating evaluation items favorable to specific companies
- Selecting evaluation committee members favorable to specific companies
- Informing the list of evaluation committee members to the company, leading to bribery of the evaluators by the company
- Bias towards specific companies by the demand institution during the evaluation process and the influence of influential evaluators (Big Mouths)
- Distortion of evaluation results through discussions

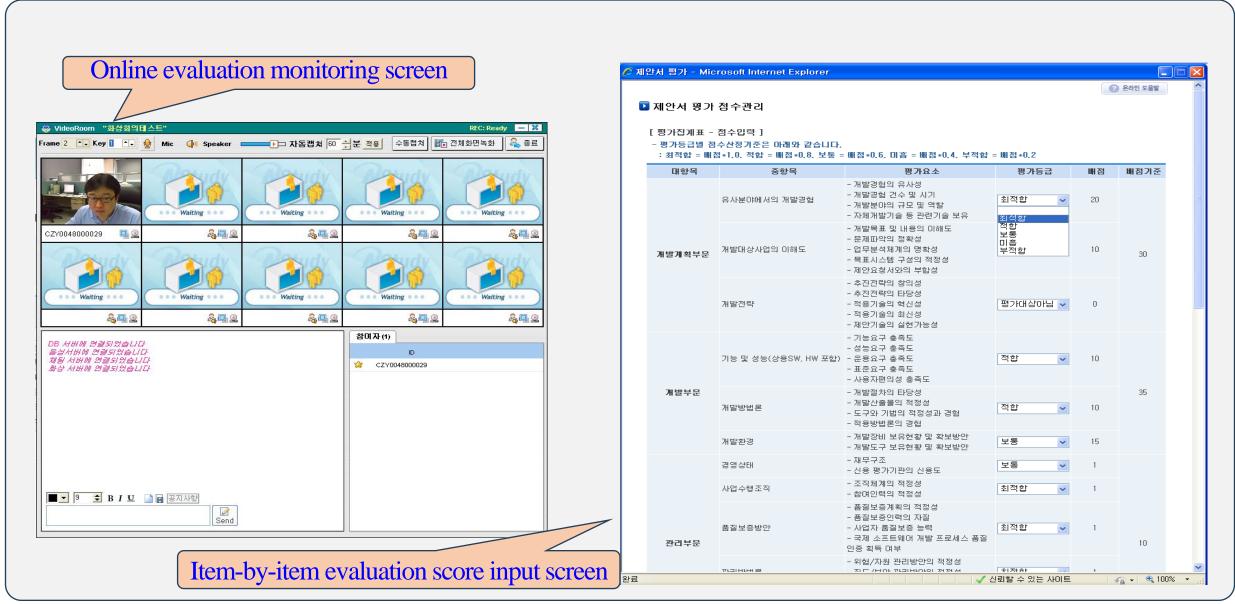
5. Transparent and fair technology proposal evaluation Kip 한국조달연구원 korea institute of procurement



- ❖ KONEPS operate a pool of 7,400 evaluators in 17 evaluation areas
 - SW business technology evaluation, design contest company selection, etc
- ❖ Select evaluators using the **ARS automatic selection system**.

- Evaluation items cannot be arbitrarily set.
- The evaluation items are disclosed to and verified by the companies.
- Even contract officers cannot know the selected evaluation committee members until one hour before the technical evaluation.

5. Transparent and fair technology proposal evaluation Kip 한국조달연구원 KOREA INSTITUTE OF PROCUREMENT

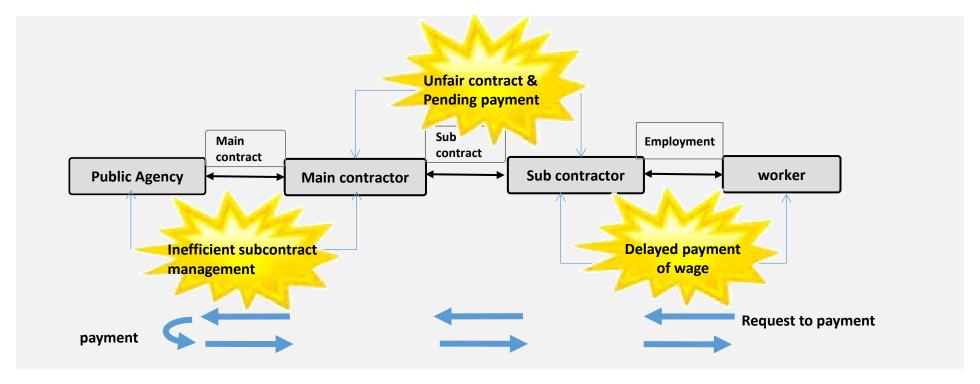


6. Prevention of subcontracting corruption

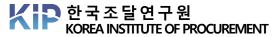


5. Eradicate subcontracting corruption

- **Of complaints regarding construction, sub-contracting accounted for 84%** (Anti Corruption & Civil Rights Commission, '16)
 - * Contents: Reduced Payment / Delayed Payment / No Payment for Modified Price / Back-door Deal
- Process subcontracts and payments in real time for fair and efficient management of subcontracts

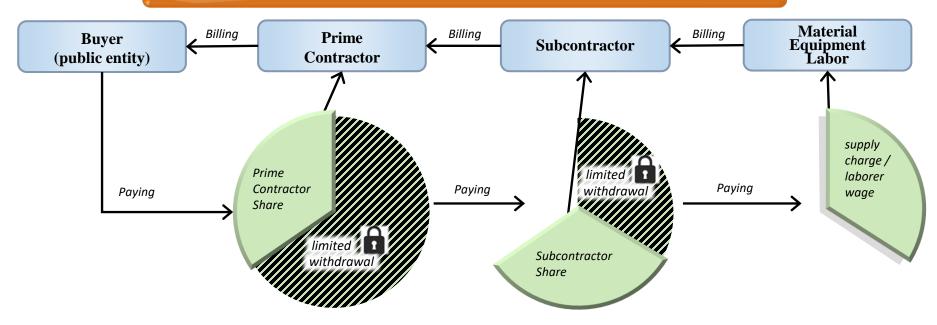


6. Prevention of subcontracting corruption



5. Eradicate subcontracting corruption

Payment Flow of Subcontract Management System



- ✓ Payment for Subcontracts / Rental Fees for Materials Equipment / Labor Fees are transferred to the bank account for a prime contractor
- ✓ Restriction of money withdrawal allows a prime contractor to draw only its portion
- ✓ Prime contractor cannot draw the portions of payment for subcontractors, material and equipment firms, and labors

Sub-Contract: 109,714, 49 Billion USD, Payment: 47 Billion USD ('23)



Thank you

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