

Overview of the item list

Technical Meeting on Construction Survey of the ICP 2021 Cycle

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Item List

- the 2021 ICP Construction item list is grouped into three construction inputs (subheadings)
 - Materials;
 - Equipment Rental; and
 - Labor
- the list is composed of 51 items of which 34 items are materials, 10 items are equipment rental and the 8 items are labor.
- All items are from the global item list for construction and there are none which are specific to ECLAC.



Number of Items

Subheading	2017	2021	Change
Construction	55	51	-4
Materials	38	34	-4
Equipment Rental	10	10	0
Labor	7	7	0



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Item List (34 Materials)

Item Code	Item Name	Item Code	Item Name
1501200-1-01	Aggregate, for concrete	1501200-1-19	Clay roof tiles
1501200-1-02	Sand, for concrete and mortar	1501200-1-20	Concrete roof tiles
1501200-1-03	Softwood, for carpentry	1501200-1-21	Float (sheet) glass
1501200-1-05	Exterior plywood	1501200-1-22	Double glazing units
1501200-1-06	Interior plywood	1501200-1-23	Ceramic wall tiles
1501200-1-07	Chipboard sheet	1501200-1-24	Plasterboard
1501200-1-08	Petrol (gasoline)	1501200-1-25	Hand wash basin
1501200-1-09	Diesel fuel	1501200-1-26	High yield steel reinforcement
1501200-1-10	Oil paint	1501200-1-27	Mild steel reinforcement
1501200-1-11	Emulsion paint	1501200-1-28	Structural steel sections
1501200-1-12	Ordinary Portland cement	1501200-1-29	Sheet metal roofing
1501200-1-13	Ready mix concrete	1501200-1-31	PVCu drain pipe
1501200-1-14	Precast concrete slabs	1501200-1-32	Copper pipe
1501200-1-15	Common bricks	1501200-1-33	Plastic (PBT or MDPE) pipe
1501200-1-16	Facing bricks	1501200-1-34	Mineral wool insulation
1501200-1-17	Concrete blocks, hollow	1501200-1-35	Precast concrete bullnosed kerb
1501200-1-18	Concrete blocks, solid	1501200-1-38	Electricity



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Item List (10 Equipment Rental)

Item Code	Item Name
1501200-2-01	Wheeled loader and excavator, with operator
1501200-2-02	Tracked tractor, with operator
1501200-2-03	Skid steer loader, with operator
1501200-2-04	Tandem vibrating roller, with operator
1501200-2-05	Compact track loader, with operator
1501200-2-11	Wheeled loader and excavator, without operator
1501200-2-12	Tracked tractor, without operator
1501200-2-13	Skid steer loader, without operator
1501200-2-14	Tandem vibrating roller, without operator
1501200-2-15	Compact track loader, without operator



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Item List (7 Labour)

Item Code	Item Name
1501200-3-01	General laborers, unskilled
1501200-3-02	Bricklayer, skilled
1501200-3-03	Plumber, skilled
1501200-3-04	Carpenter, skilled
1501200-3-05	Structural steel worker, skilled
1501200-3-06	Electrician, skilled
1501200-3-07	Machine (equipment) operator, skilled



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Structured Product Descriptions (SPDs)

- Construction has three sets of SPDs
 - Materials, Equipment Rental and Labor
- List all possible characteristics by which the product can be correctly identified for pricing by different economies, ensuring “like with like” price comparisons.
- most of the product characteristics are price determining characteristics
 - the characteristics that influence the price level of the items.



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SPD Parameters of Items

Materials
Item Name
Number of units
Unit of measurement
Price for
Type
For
Capacity
Density
Diameter
Dimension
Material
Packaging
Quality
Shape
Size
Thickness
Weight
Exclude
Notes

Equipment Rental
Item Name
Number of units
Unit of measurement
Type
With operator
Brand (indicative)
Model (indicative)
Engine power (indicative)
Travel speed (indicative)
Operating width (indicative)
Operating weight (indicative)
Operating capacity (indicative)
Dig depth (indicative)
Price excludes
Specify
Notes

Labor
Item Name
Number of units
Unit of measurement
ISCO code
ISCO name
Skill level
Salary type
Training
General definition
Example tasks (a)
Example tasks (b)
Example tasks (c)
Example tasks (d)
Example tasks (e)
Example tasks (f)
Example tasks (g)
Example tasks (h)
Specify



SPD Improvements: Materials

- “Price for” introduced
 - Ensure to collect prices of items based on the prescribed minimum order
- Improvement of “Notes” section
 - Improved the “Notes” section by providing information in converting **alternative units of measurement** to the **preferred unit of measurement**

Example: **square feet (ft²)** to **square meter (m²)**

Item Code:	1501200105
Item Name:	Exterior plywood
Number of units:	1
Unit of measurement:	Square meter (m ²)
Price for:	Minimum order 28m ² i.e. 10 boards of 1.2 x 2.4m
Type:	Exterior plywood
Material:	Plywood
Quality:	Good quality
Thickness:	15.5 mm
Shape:	Standard sheet
Notes:	If it comes in 1200mm x 2400mm which may be converted to 2.88m ² (1.2 x 2.4). This size sheet would therefore be calculated as [(2.88m ² / 2.4)}*100]. Likewise if it comes in different size to 2.4m, the formula should be revised to get a revised quantity.



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SPD Improvements: Equipment Rental

- “Price excludes” parameter updated
 - Aside from operating fuel, **equipment insurance and life insurance** are also excluded in the price for renting the equipment

Item Code	1501200201
Item Name	Wheeled loader and excavator, with operator
Number of units	1
Unit of measurement	Hour
Type	Rental of loader and excavator, four wheel drive
With operator	Yes
Brand (indicative)	JCB
Model (indicative)	3CX Super Sitemaster
Engine power (indicative)	70 kW (94 hp)
Travel speed (indicative)	30 km/h
Operating width (indicative)	2 m
Operating weight (indicative)	8000 kg
Operating capacity (indicative)	4000 kg (loader); 700 kg (backhoe)
Dig depth (indicative)	4 m
Price excludes	Operating fuel, equipment insurance and life insurance.
Specify	Equipment brand and model
Notes	Updated the "Price excludes" parameter.



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SPD Improvements: Labor

- **No change**
 - All SPDs are all the same as before.

Item Code	1501200306
Item Name	Electrician, skilled
ISCO code	7411
ISCO name	Building and related electricians
Number of units	1
Unit of measurement	Hour
Skill level	Skilled
Salary type	Gross
Training	Training in a technical college or similar institution or on the job training
General definition	Installs, maintains and repairs electrical wiring systems and related equipment and fixtures
Example tasks (a)	(a) installing, maintaining and repairing electrical wiring systems and related equipment in various buildings such as schools, hospitals, commercial establishments, residential buildings and other structures
Example tasks (b)	(b) examining blueprints, wiring diagrams and specifications to determine sequences and methods of operation
Example tasks (c)	(c) planning layout and installation of electrical wiring, equipment and fixtures, based on job specifications and relevant standards
Example tasks (d)	(d) inspecting electrical systems, equipment, and components to identify hazards, defects, and the need for adjustment or repair;
Example tasks (e)	(e) selecting, cutting and connecting wire and cable to terminals and connectors
Example tasks (f)	(f) measuring and laying out installation reference points
Example tasks (g)	(g) positioning and installing electrical switchboards
Example tasks (h)	(h) testing continuity of circuit.
Specify	Average number of hours worked per day; average net-to-gross rate



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Updates on the Item List

Updates on the 2021 ICP Item List in comparison with the 2017 ICP Item List for Construction Survey

- Introduced three “new” items
- Seven items deleted
- One item fundamentally changed on the type of material used



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New Items

- 1 Plastic (PBT or MDPE) pipe
- 2 Mineral wool insulation
- 3 Precast concrete bullnosed kerb

1



2



3



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Removed Items

- 1 Softwood for joinery
- 2 Metal storage tank
- 3 Electric pump
- 4 Electric exhaust fan
- 5 Air-conditioning equipment
- 6 Stand-by generator
- 7 Solar panel

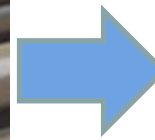


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Item change

2017 ICP
Cast iron drainpipe



2021 ICP
PVCu drainpipe



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