

Construction Cost Handbook

# PHILIPPINES 2025

Arcadis Philippines Inc.

## Electronic Cost Handbook

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The following handbook of information relating to the construction industry has been compiled by:

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**The information contained herein should be regarded as indicative and for general guidance only. Whilst every effort has been made to ensure accuracy, no responsibility can be accepted for errors and omissions, however caused.**

If advice concerning individual projects is required, we would be happy to assist.

Unless otherwise stated, costs reflected in this handbook are anticipated **Manila costs in January 2025.**



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# TABLE OF CONTENTS

About Us	6
Our Core Values	7
Quality Policy Statement	8

## 1 CONSTRUCTION COST DATA

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Construction Cost Specification	12
Construction Costs for Philippines	14
M&E Services Costs for Philippines	16
Fit-Out Costs for Philippines	18
Kitchen Equipment Costs for Philippines	23
Unit Cost of Ancillary Facilities for Philippines	24
Construction Costs for Selected Asian Cities	26
M&E Costs for Selected Asian Cities	34
Major Rates for Selected Asian Cities	42
M&E Major Plant Costs for Philippines	50
Retail Prices of Basic Construction Materials for Philippines	52

## 2 GENERAL CONSTRUCTION DATA

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Economic Highlights 2024	58
Trends in Construction Cost for Philippines	60
Construction Value	61
Construction Activity	62
Construction Materials Wholesale Price Index (CMWPI) in the National Capital Region (NCR) 2024	63
Annual Average of Construction Materials Wholesale Price Index (CMWPI) in NCR	66
Minimum Wage	67
Estimating Rules of Thumb	68
Estimated Embodied Carbon for Commonly Used Construction Materials	72
Utility Costs for Selected Asian Cities	76
Lead Time of Different Packages	78
Progress Payments	80
Tender Price Index	82
LEED	84
Construction Permits	92



## 3 CONSTRUCTION MARKET UPDATE

General Overview	100
Commercial Sector	101
Residential Condominium Sector	102
Hotels and Serviced Apartments Sector	104
Retail Sector	105
Industrial Sector	106

## 4 FINANCIAL

Philippines Key Data	112
Financial Definitions	113
Mortgage Repayment Table	114
Consumer Price Index	115
Exchange Rates Currency	116
Currency Charts	118

## 5 OTHER INFORMATION

Philippine Map	124
Public Holidays	125
Conversion Factors	126
Arcadis Professional Services	
Cost and Commercial Management	128
Sustainability Solutions	129
Project and Program Management	130
Resilience - Water, Engineering and Design	134
BIM Management	136
Digital Solutions	137
Our Local Services	138
Our Global Sectors	138
Quality System	139
Directory of Offices	140

# ARCADIS PHILIPPINES, INC.

## ABOUT US

Arcadis is a global Design & Consultancy firm for natural and built assets. Applying our deep market sector insights and collective design, consultancy, engineering, and project management services, we work in partnership with our clients to deliver exceptional and sustainable outcomes throughout the lifecycle of their natural and built assets.

Arcadis Philippines Inc. (API) is the country's leading provider of construction consultancy services for natural and built assets. We are a firm recognized for creating value for our clients and improving quality of life, creating solutions based on a blend of services. We have worked on various projects nationwide, covering both the private and public sectors, as well as our diverse set of services cater for infrastructure, residential, commercial, industrial, education, health care, recreation facilities, hospitality, and interior fit-out projects. API's experience allows it to continue leading and setting the standards for consultancy services within the Philippine Construction Market.

### Key Facts



Offices in Manila and Cebu



Over 300 consultants



Diversified Business Lines: Cost Management |  
Project & Program Management |  
Sustainability Solutions | Water Consultancy |  
PPP & Infrastructure Consultancy |  
Construction Loan Monitoring | BIM Management |  
Digital Solutions



Over 1000 projects nationwide



Over 35 years of experience delivering  
high performance projects in the Philippines

## OUR CORE VALUES

### People First

We care for one another and create a safe and respectful working environment where our people can grow, perform, and succeed.



### Integrity

We always work to the highest professional and ethical standards and establish trust by being open, honest, and responsible.



### Client Success

We are passionate about our clients' success and providing insights, agility, and innovation to co-create value.



### Collaboration

We value the power of diversity and our global capabilities and deliver excellence by working as One Arcadis.



### Sustainability

We base our actions for clients and communities on environmental responsibility and social and economic advancement.



## QUALITY POLICY STATEMENT

Arcadis is a leading global natural and built asset design & consultancy firm working in partnership with our clients to deliver exceptional and sustainable outcomes through the application of design, consultancy, engineering, and project management services. Our business is managed regionally through locally based operating companies with empowered management teams.

Arcadis is one of the regional operating companies and we are committed to satisfying all requirements applicable to our operations and achieving continual improvement. Our talented people work in Infrastructure, Water, Environment, and Buildings, across our business lines and geographies, to provide real-life solutions to today's most complex challenges, based on deep global market sector knowledge and a strong understanding of local market conditions. In doing so, they enable us to fulfil our passion to improve the quality of life by building a culture that delivers innovation, excellence, and client success.

To ensure achievement of this commitment, Arcadis has established a framework of strategic objectives at both group and regional levels which acts as our quality objectives. These objectives provide the opportunity to meaningfully drive performance excellence leading to continual improvement. Performance against these objectives is reviewed annually through the operational management structure.

Fundamental to the successful management of quality is the effective communication of business requirements and best practice. To achieve this and to meet the requirements of our clients, staff, and stakeholders, we operate a business management system which complies with the requirements of ISO 9001. This system is available to all staff and includes mechanisms for managing risk and delivering continual improvement. The ongoing effectiveness of the system and its application is the subject of periodic management reviews and independent audits.

While Arcadis acknowledges that the primary responsibility for the successful implementation of this policy lies with the Arcadis Leadership, we also recognise that this success is underpinned by the commitment of each and every employee.



Rockwell Center Bacolod  
Developer: Rockwell Land Corporation  
Concept Masterplan Designer: Carlos Ott Architects  
Architect: Pimentel Rodriguez Simbulan & Partners



*This image is an artist's rendition for illustrative purposes only. Actual design, layout, colors, features, and specifications is subject to change and should not be relied upon as the final representation of the project.*



*Park Villas  
Client/Developer: AyalaLand-Tagle Properties, Inc.  
Design Architect: Skidmore, Owings & Merrill LLP  
Architect of Record: Aidea*



# 1 CONSTRUCTION COST DATA

Construction Cost Specifications

Construction Costs for Philippines

M&E Services Costs for Philippines

Fit-Out Costs for Philippines

Kitchen Equipment Costs for Philippines

Unit Costs for Ancillary Facilities for Philippines

Construction Costs for Selected Asian Cities

M&E Costs for Selected Asian Cities

Major Rates for Selected Asian Cities

M&E Major Plant Costs for Philippines

Retail Prices of Basic Construction Materials  
for Philippines

# 1 Construction Cost Data

## CONSTRUCTION COST SPECIFICATIONS

The costs for the respective categories on the succeeding pages are averages based on fixed price competitive tenders.

It must be understood that the actual cost of a building will depend upon the design, procurement methods, and many other factors and may vary from the figure shown. The costs per square meter are based on construction floor areas measured to the outside face of the external walls / external perimeter, including lift shafts, stairwells, plant rooms, water tanks, and the like.

All buildings are assumed to be constructed without basements unless otherwise specified. They are built on flat ground, with normal soil condition and minimal external works. The costs exclude land cost, professional fees, and finance and legal expenses. The standards for each category of building vary from country to country and do not necessarily follow those of Manila. All costs are in PHP/m<sup>2</sup> CFA. Fluctuation in exchange rates may lead to changes in construction costs. FF&E refers to loose furniture, fixtures and equipment. FF&E is excluded from office, residential, and retail project costs, but are included in hotel project costs.

### DOMESTIC

An average standard apartment building consists 6-8 flats per floor, with each flat ranging from 50m<sup>2</sup> to 150m<sup>2</sup>. The facade features textured paint and punch windows. Internal finishes include wood finishes, plastered and painted walls, painted and rubbed concrete ceilings in residential units, and local ceramic tiles for toilets.

Luxury residential buildings feature facades designed with window walls, textured paint, stone accents, homogeneous tiles, and wood cladding. The lobby showcases coved timber ceilings, while internal finishes consist of a combination of wood planks, plaster and paint, and gypsum board for residential units. Toilets are finished with homogeneous tiles.

Air conditioning (A/C), generator sets, automatic sprinkler system, complete plumbing and disposal system, complete fire alarm and detection system, and Fiber to the Home (FFTH) system are allowed for luxury apartments and prestige houses.

Services to standard apartments include paging system and Davit-type gondola. Luxury residential services include CCTV cameras in the lobby, a track-mounted type gondola, and a helipad.

## OFFICE/COMMERCIAL

Costs are based on building 30-40 storeys with floor plate minimum of 1,000m<sup>2</sup> per level. Average standard offices and shopping centers have bare finishes and exclude A/C ducting and light fittings in tenant areas. Prestige offices have curtain wall elevations and stone-finished lobbies.

## INDUSTRIAL

Industrial and Owner-operated factories exclude manufacturing equipment, racking system, A/C, offices fit-out, and special services provisions with floor areas above 20,000m<sup>2</sup>.

## HOTELS

FF&E includes interior decoration, loose furniture, and similar items. However, it excludes hotel and gaming operator's items (e.g., cutlery, crocker, linen, gaming equipment, etc.). Additionally, it includes 1 level of basement.

## OTHERS

Carparks are multi-storey and located above ground.

Schools have standard government provisions.

Student hostels adhere to university standards.

Hospitals include fit-outs for nursing rooms and general hospital facilities. However, specialized services and equipment, such as oxygen piping, A/C, generator sets, ultrapure water, fire suppression system and special type plumbing fixtures, and fit-outs for doctor's offices are excluded.

Land development includes earthworks, road right of way, cold water distribution, sewer mains, drainage system, power and communications system, and minor landscaping works.

CONSTRUCTION COSTS FOR PHILIPPINES				PESO/m <sup>2</sup>	
BUILDING TYPE		BUILDING / *CIVIL WORKS	M&E TOTAL SERVICES	TOTAL	
DOMESTIC					
Apartments, high-rise, average standard		46,343 - 58,786	9,907 - 14,270	56,250 - 73,056	
Apartments, high-rise, high-end		59,696 - 107,133	12,990 - 24,530	72,686 - 131,663	
Terraces houses, average standard		45,201 - 53,865	2,970 - 5,050	48,171 - 58,915	
Detached houses, high-end		84,348 - 142,074	9,140 - 17,090	93,488 - 159,164	
OFFICE / COMMERCIAL					
Medium/high-rise offices, average standard		37,789 - 48,474	11,750 - 16,700	49,539 - 65,174	
High-rise offices, prestige quality		56,000 - 65,523	16,259 - 26,962	72,259 - 92,485	
Out-of-town shopping center, average standard		31,710 - 36,905	10,460 - 15,280	42,170 - 52,185	
Retail malls, high-end		45,846 - 61,091	11,770 - 20,790	57,616 - 81,881	
HOTELS					
Budget hotels - 3-star, mid market		48,547 - 58,612	13,830 - 18,600	62,377 - 77,212	
Business hotels - 4/5-star		55,225 - 92,220	16,330 - 26,610	71,555 - 118,830	

# CONSTRUCTION COST HANDBOOK PHILIPPINES 2025

Luxury hotels - 5-star	83,446	-	151,756	20,930	-	38,710	104,376	-	190,466
Integrated Hotel and Casino - 4/Luxury 5-Star	94,293	-	155,850	35,695	-	62,052	129,988	-	217,902
<b>INDUSTRIAL</b>									
Industrial units, shell only (conventional single-story framed units)	23,187	-	27,967	4,800	-	8,040	27,987	-	36,007
Owner-operated factories, low-rise, lightweight industry	32,741	-	36,797	4,800	-	10,270	37,541	-	47,067
<b>OTHERS</b>									
Underground/basement car parks (<3 levels)	26,028	-	31,322	6,670	-	10,950	32,698	-	42,272
Multi-storey car parks, above ground (<4 levels)	24,554	-	29,302	5,560	-	10,830	30,114	-	40,132
Schools (primary and secondary)	27,678	-	31,734	9,060	-	18,850	36,738	-	50,584
Students' residences	31,843	-	37,542	9,290	-	15,500	41,133	-	53,042
Sports clubs, multi-purpose sports/leisure centers (dry sports) with A/C and including FF&E	53,783	-	77,095	7,960	-	12,800	61,743	-	89,895
General hospitals - public sector	57,820	-	61,964	16,520	-	24,930	74,340	-	86,894
*Land Development - Residential Lots for Detached Houses	1,453	-	4,905	963	-	1,582	2,416	-	6,487
*Land Development - Commercial Lots	2,463	-	8,420	1,822	-	5,571	4,285	-	13,991

**Note:**

Costs are at January 2025 levels.

\*Cost per m<sup>2</sup> (Land Area)

M & E SERVICES COSTS FOR PHILIPPINES	BUILDING TYPE	PESO/m <sup>2</sup>					
		TOTAL SERVICES	ELECTRICAL SERVICES	MECHANICAL SERVICES	FIRE SERVICES	LIFTS/ ESCALATOR	PLUMBING SERVICES
DOMESTIC	Apartment, high-rise, average standard	9,907 - 14,270	3,957 - 4,300	1,650 - 2,930	1,140 - 1,560	850 - 2,300	2,310 - 3,180
	Apartment, high-rise, high-end	12,990 - 24,530	3,900 - 7,200	2,930 - 5,700	1,290 - 1,990	2,200 - 4,760	2,670 - 4,880
	Terrace houses, average standard	2,970 - 5,050	1,400 - 1,800	720 - 1,500	-	-	850 - 1,750
	Detached houses, high-end	9,140 - 17,090	3,000 - 5,800	3,100 - 5,140	-	-	3,040 - 6,150
	OFFICE / COMMERCIAL						
HOTELS	Medium/high-rise offices, average standard	11,750 - 16,700	3,500 - 4,700	4,000 - 5,680	1,190 - 1,620	1,800 - 3,000	1,260 - 1,700
	High-rise offices, prestige quality	16,259 - 26,962	5,200 - 8,712	5,009 - 8,600	1,360 - 2,070	3,150 - 5,170	1,540 - 2,410
	Out-of-town shopping center, average standard	10,460 - 15,280	3,060 - 5,100	3,240 - 5,180	1,310 - 1,710	1,600 - 1,800	1,250 - 1,490
	Retail malls, high-end	11,770 - 20,790	3,600 - 6,800	3,720 - 7,790	1,580 - 2,080	1,570 - 2,480	1,300 - 1,640
	Budget hotels - 3-star, mid market	13,830 - 18,600	4,900 - 5,800	3,500 - 5,000	1,320 - 1,500	1,800 - 2,600	2,310 - 3,700
	Business hotels - 4/5 -star	16,330 - 26,610	5,200 - 9,800	5,100 - 7,400	1,500 - 1,990	1,800 - 2,900	2,730 - 4,520



CONSTRUCTION COST HANDBOOK  
PHILIPPINES 2025

Luxury hotels- 5-star	20,930 - 38,710	5,500 - 11,220	7,500 - 13,850	1,780 - 2,630	2,550 - 3,540	3,600 - 7,470
Integrated Hotel and Casino	35,695 - 62,052	17,704 - 33,205	10,061 - 13,850	1,780 - 2,630	2,550 - 4,897	3,600 - 7,470
INDUSTRIAL						
Industrial units, shell only (conventional single-story framed units)	4,800 - 8,040	2,000 - 3,500	800 - 1,500	1,180 - 1,300	0 - 400	820 - 1,340
Owner-operated factories, low-rise, lightweight industry	4,800 - 10,270	2,000 - 3,500	800 - 1,600	1,180 - 3,000	0 - 730	820 - 1,440
OTHERS						
Underground/basement car parks (<3 levels)	6,670 - 10,950	2,700 - 4,200	1,410 - 2,250	1,180 - 1,940	260 - 570	1,120 - 1,990
Multi storey car parks, above ground (<4 levels)	5,560 - 10,830	2,500 - 4,000	650 - 2,210	1,220 - 2,350	-	1,190 - 2,270
Schools (primary and secondary)	9,060 - 18,850	3,300 - 4,900	1,450 - 6,580	1,180 - 1,650	1,600 - 2,330	1,530 - 3,390
Students' residences	9,290 - 15,500	3,600 - 4,300	1,390 - 2,440	1,120 - 1,880	1,140 - 3,130	2,040 - 3,750
Sports clubs, multi-purpose ports/leisure centers (dry sports) with A/C and including FF&E	7,960 - 12,800	2,900 - 3,770	1,800 - 2,870	570 - 1,230	960 - 2,210	1,730 - 2,720
General hospitals - public sector	16,520 - 24,930	5,000 - 8,000	5,320 - 7,780	1,620 - 2,520	1,990 - 2,800	2,590 - 3,830
*Site or Land Development - Residential Lots for Detached Houses	963 - 1,582	461 - 700	-	-	-	502 - 882
*Site or Land Development - Commercial Lots	1,822 - 5,571	924 - 1,871	-	-	-	898 - 3,700

**Note:**  
Costs are at January 2025 levels.  
\*Cost per m<sup>2</sup> (Land Area)

# 1 Construction Cost Data

## FIT-OUT COSTS FOR PHILIPPINES

BUILDING TYPE	PESO/m <sup>2</sup>
<b>HOTELS</b>	
<b>Public Areas (Front of House) :</b>	
3-star Hotel	28,000 - 36,000
4-star Hotel	44,000 - 60,000
5-star Hotel	60,000 - 107,000
<b>Guest Rooms :</b>	
3-star Hotel	38,000 - 47,000
4-star Hotel	51,000 - 85,000
5-star Hotel	78,000 - 114,000
<b>Notes :</b> 1. Fit-out costs include floor, wall, and ceiling finishes, sanitary fittings; doors and hardware; built-in furniture such as wardrobe, cabinet, shelves, mini bar, countertop, TV niche, bed frames, and headboard; internal partitions in guestroom; drapery; general lighting, and architectural light fittings. 2. Excludes building shell, demising walls, Mechanical and Electrical (M&E) works, Extra-Low Voltage (ELV) systems, and FF&E, loose furniture, artworks, special and decorative lighting, OS&E, opening, expenses, and computer systems. FF&E / loose furniture may range from 10,000 per m <sup>2</sup> to 18,000 per m <sup>2</sup> for 4- and 5- star hotel	

### Notes :

1. Costs are at January 2025 levels.
2. Costs exclude operational equipment and supplies, structure, external enclosure, major M&E plant, financing and developers costs, and professional and marketing fees.

## FIT-OUT COSTS FOR PHILIPPINES

BUILDING TYPE	PESO/m <sup>2</sup>
<b>COMMERCIAL</b>	
Shopping Centers	27,000 - 38,000
<b>Note :</b> Mall / Public areas only; bare finish in tenant areas.	
<b>RESTAURANTS</b>	
General dining restaurant	33,000 - 53,000
Fine dining restaurant	67,000 - 129,000
<b>VIP LOUNGE</b>	70,000 - 85,000
<b>Note :</b> Fit-out costs includes floor, wall, and ceiling finishes, built-in furniture, minor alteration to A/C and fire services installation to suit layout, exhaust for kitchen. However, it excludes kitchen equipment, exhaust flue, and operational items, such as cutlery, crockery, linen, utensils, and similar items.	
<b>THEATRES / CINEMAS</b>	
Theatres*	54,000 - 103,000
Cinemas**	63,000 - 90,000
<b>Note :</b> * Includes stage rigging and equipment, draperies, AV equipment projectors, screens, acoustics and seatings. ** Includes screens, projection equipment, seats, finishes, and ticketing booth.	

**Notes :**

1. Costs are at January 2025 levels.
2. Costs exclude operational equipment and supplies, structure, external enclosure, major M&E plant, financing and developers costs, and professional and marketing fees.

# 1 Construction Cost Data

## FIT-OUT COSTS FOR PHILIPPINES

BUILDING TYPE	PESO/m <sup>2</sup>
<b>OFFICES</b>	
<b>Standard offices*</b>	
Shell and Core condition	33,900 - 57,100
<b>Executive offices**</b>	
Shell and Core condition	56,500 - 91,000
* Medium quality systems furniture and finishes	
** High quality systems furniture and finishes	
<b>Notes :</b> <b>Inclusions:</b> Floor, wall, and ceiling finishes, internal wall partition, doors and hardware, built-in furniture, loose furniture, system furniture, kitchen appliances, and special lightings. Services include power supply for general lightings, door access, cable trays, conduits and wires, power outlets, voice and data outlets, alteration of fire sprinklers and smoke detectors as required, A/C, and mechanical ventilation.	
<b>Exclusions:</b> Office operating equipment, Medical equipment and supplies, Gym equipment, Gaming equipment, Artworks, Operation and maintenance supplies, Tablewares, and other special feature by operations. WIFI, Picocell, CATV, CCTV, and Audio Visual System.	
<b>Turn-over conditions:</b> Bare finish on floor, wall, and ceiling and may require additional networks. No doors and hardware, internal wall partition, A/C, mechanical ventilation, and lightings in leasable area. Tapping points for utilities only.	
<b>For mechanical works:</b> <ol style="list-style-type: none"> <li>1. Chilled Water with AHU by Building owner / Lessor - cost includes ductworks and air terminals</li> <li>2. Chilled Water using FCU - cost includes ductworks, air terminals, fan coil units, and chilled water piping</li> <li>3. Variable Refrigerant Flow - cost includes A/C equipment, refrigerant piping, ductworks, and air terminals</li> </ol>	

### Notes :

1. Costs are at January 2025 levels.
2. Costs exclude operational equipment and supplies, structure, external enclosure, major M&E plant, financing and developers costs, and professional and marketing fees.

## FIT-OUT COSTS FOR PHILIPPINES

BUILDING TYPE	PESO/m <sup>2</sup>
<b>OFFICES</b>	
<b>Standard offices*</b>	
Warmshell condition	27,600 - 48,500
<b>Executive offices**</b>	
Warmshell condition	48,300 - 87,000
* Medium quality systems furniture	
** High quality furniture and finishes	
<b>Notes :</b>	
<b>Inclusions:</b>	
Floor and wall finishes, internal wall partition, doors and hardware, built-in furniture, loose furniture, system furniture, kitchen appliances, and special lightings.	
Services include door access, power outlets, voice and data outlets, fire extinguishers, alterations or relocation of A/C and mechanical ventilation as required.	
<b>Exclusions:</b>	
Office operating equipment, Medical equipment and supplies, Gym equipment, Gaming equipment, Artworks, Operation and maintenance supplies, Tablewares, and other special feature by operations.	
WIFI, Picocell, CATV, CCTV, and Audio Visual System.	
<b>Turn-over conditions:</b>	
Raised flooring in bare finish (provided by the Building owner / Lessor).	
No doors and hardware, internal wall partitions, and wall finishes.	
Contains ceiling finishes, general lightings, smoke detectors, fire sprinklers, and A/C.	

**Notes :**

1. Costs are at January 2025 levels.
2. Costs exclude operational equipment and supplies, structure, external enclosure, major M&E plant, financing and developers costs, and professional and marketing fees.

# 1 Construction Cost Data

## FIT-OUT COSTS FOR PHILIPPINES

### DEFINITIONS

#### HOTEL

##### **Operational supplies and equipment (OS&E)**

i.e., bed mattresses, cutlery, crockery, linen, television, refrigerator, etc.

##### **FF&E / Loose Furniture**

i.e., chairs, tables, sofas, etc.

##### **Special and Decorative Lighting**

i.e., chandeliers, track lights, accent lights, bedside lamps, floor lamps, etc.

#### OFFICES

##### **Office operating equipment**

i.e., printers, scanners, computers, monitors, and server equipment

##### **Medical equipment and supplies**

i.e., medical beds, ECG units and accessories, step stool, body weight scales and height rods, wheelchairs, basic diagnostics, personal protective equipment, IV stands, carts, etc.

##### **Gym equipment**

i.e., barbells, bench press, squat rack, cables and pulleys, etc.

##### **Gaming equipment**

i.e., video game consoles, arcades, pool tables, table tennis, etc.

##### **Operation and maintenance supplies**

i.e., safety gears, tool boxes, power tools, hand tools, electrical tools, cleaning supplies and equipment, etc.

##### **Tableware**

i.e., cutlery, glassware, serving dishes, serving utensils, etc.

##### **Kitchen appliances**

i.e., refrigerator, microwave oven, coffee maker, etc.



## KITCHEN EQUIPMENT COSTS FOR PHILIPPINES

DESCRIPTION	COST (PHP)
<b>BUSINESS CLUB</b> 500-900 m <sup>2</sup> floor area	22M - 50M
<b>EXECUTIVE DINING</b> 200-400 m <sup>2</sup> floor area	22M - 50M
<b>4 STAR HOTEL*</b> 50 - 150 rooms	41M - 92M
<b>5 STAR HOTEL*</b> 200 - 500 rooms	140M - 240M
<b>OFFICE CANTEEN</b> 200 - 300 m <sup>2</sup> floor area	14M - 20M
*Includes Commissary Kitchen and All-Day Dining but excludes Specialty Restaurants	

# 1 Construction Cost Data

## UNIT COSTS OF ANCILLARY FACILITIES FOR PHILIPPINES

DESCRIPTION	UNIT	PESO
<b>SQUASH COURTS</b>		
Single court with glass backwall including associated mechanical and electrical services but excluding any public facilities, enclosing structure, and play equipment	per court	2,340,000
<b>TENNIS COURTS</b>		
Single court on grade with acrylic surfacing including slab on-grade and chain-link fence. Cost excludes play equipment.	per court	2,503,000
Single court on grade with artificial turf surfacing including slab on-grade and chain-link fence. Cost excludes play equipment.	per court	3,028,000
Extra for lighting	per court	500,000
<b>SWIMMING POOLS</b>		
Half Olympic (25m x 16m) 6-lane outdoor swimming pool built in-ground and fully tiled, complete with 5m-wide deck and associated equipment. Cost includes Civil and Structural Works.	per pool	29,053,000
Half Olympic (25m x 16m) 6-lane indoor swimming pool with suspended structure (enclosing structure not included), fully tiled and complete with 5m-wide deck, including mechanical ventilation and associated equipment.	per pool	32,583,000
Extra for heat pump system for swimming pool	per pool	10,800,000
Extra for salt chlorine generator	per pool	500,000
Amenity pool outdoor approx. 300m <sup>2</sup> swimming pool with kiddie pool (pooldeck not included) fully tiled including structural works, associated equipment, and pool lighting	per pool	15,000,000 - 20,000,000
<b>BASKETBALL COURTS</b>		
Exposed court, approximately 975m <sup>2</sup> including player benches and excluding equipment	per court	6,000,000 - 10,500,000
Covered court approximately 975m <sup>2</sup> including metal viewing seats, provision for Toilet and Bath (T&B), etc*	per court	20,000,000 - 40,000,000
* includes provision for forward/rear fold ceiling mounted basketball goal. January 2025 Rates.		

## UNIT COSTS OF ANCILLARY FACILITIES FOR PHILIPPINES

DESCRIPTION	UNIT	PESO
<b>PLAYGROUND EQUIPMENT</b>		
Outdoor playground equipment comprising various activities and safety mat	per set	1,935,000 - 6,450,000
<b>SAUNAS</b>		
Sauna room for 4-6 people complete with all accessories (enclosing structure not included)	per room	3,000,000 - 5,000,000
<b>STEAM BATHS</b>		
Steam bath for 4-6 people complete with all accessories (enclosing structure not included)	per room	6,000,000
<b>GOLF COURSES</b>		
(Based on 'Average Cost Model' of an 18-hole golf course in Asia) excluding fairway construction and rough hydroseeding		
Par 3	per hole	16,501,000 - 22,936,000
Par 4	per hole	34,408,000 - 61,858,000
Par 5	per hole	72,229,000 - 93,218,000
including fairway construction and rough hydroseeding		
Par 3	per hole	17,233,000 - 24,214,000
Par 4	per hole	39,188,000 - 71,331,000
Par 5	per hole	82,458,000 - 108,041,000
<b>Inclusions:</b> Topsoil to fairway and rough areas, grassing, fertilizer, necessary fillings to bed (i.e., washed gravel, sand, greens mix), cart paths, irrigation (combination of manual and automatic) and drainage (combination of RC and PVC Pipes), sodding, and landscaping within the courses.		
<b>Exclusions:</b> Rough and final shaping, bulk cut and fill, related works during excavation, vertical structures / assets (i.e., clubhouse, halfway house, tee house, rain shelter/shed), fumigation, water supply, nursery, lake development / water hazard, and Golf Course lighting (assumed morning play only). Preliminaries excluded due to varying site conditions.		
<b>Premium Costs:</b> Drainage - additional 6% if using HDPE; Irrigation - additional 10% to 13% if fully automatic; Night Play - additional 20% for Golf Lighting		

CONSTRUCTION COSTS FOR SELECTED ASIAN CITIES				
BUILDING TYPE	USD / m² CFA			SINGAPORE
	MANILA	HONG KONG		
DOMESTIC				
Apartments, high-rise, average standard	970 - 1,259	3,280 - 3,770	1,990 - 2,330	
Apartments, high-rise, high-end	1,253 - 2,270	4,220 - 4,870	3,310 - 4,510	
Terraced houses, average standard	830 - 1,016	4,510 - 5,170	2,555 - 2,855	
Detached houses, high-end	1,611 - 2,744	6,530 up	3,235 - 4,325	
OFFICE / COMMERCIAL				
Medium/high-rise offices, average standard	854 - 1,123	3,260 - 3,690	2,630 - 2,970	
High-rise offices, prestige quality	1,246 - 1,594	3,880 - 4,420	2,970 - 3,195	
Out-of-town shopping center, average standard	727 - 900	3,210 - 3,770	2,820 - 3,120	
Retail malls, high-end	993 - 1,411	4,150 - 4,810	3,120 - 3,385	
HOTELS				
Budget hotels - 3-star, mid market	1,075 - 1,331	4,110 - 4,370	3,270 - 3,570	
Business hotels - 4/5-star	1,233 - 2,048	4,240 - 4,870	3,570 - 4,510	
Luxury hotels - 5-star	1,799 - 3,283	4,920 - 5,500	4,175 - 4,850	

INDUSTRIAL			
Industrial units, shell only (Conventional single-storey framed units)	482 - 621	- -	1,205 - 1,390
Owner-operated factories, low-rise, lightweight industry	647 - 811	2,460 - 3,050	-
OTHERS			
Underground/basement car parks (<3 levels)	564 - 729	3,700 - 4,270	1,430 - 1,840
Multi-storey car parks, above ground (<4 levels)	519 - 692	2,170 - 2,530	900 - 1,315
Schools (primary and secondary)	633 - 872	2,780 - 2,980	2,030 - 2,630
Students' residences	709 - 914	3,140 - 3,520	2,405 - 2,555
Sports clubs, multi-purpose sports/leisure centers (dry sports) with A/C and including FF&E	1,064 - 1,550	4,100 - 4,600	2,930 - 3,120
General hospitals - public sector	1,281 - 1,498	5,130 - 5,630	4,135 - 4,325
Exchange Rate Used : USD1 =	PHP 58.014	HKD 7.78	\$ 1.33

The above costs are at 4th Quarter 2024 Levels, inclusive of preliminaries unless otherwise stated.

**Manila**

Rates are exclusive of contingencies & include 12% VAT.

# 1 Construction Cost Data

## CONSTRUCTION COSTS FOR SELECTED ASIAN CITIES (Cont'd)

BUILDING TYPE	USD / m <sup>2</sup> CFA		
	KUALA LUMPUR	BANGKOK	MACAU
<b>DOMESTIC</b>			
Apartments, high-rise, average standard	330 - 655*	731 - 907	2,463 - 3,012
Apartments, high-rise, high-end	750 - 1,575	1,170 - 1,609	3,439 - 5,254
Terraced houses, average standard	235 - 385^	585 - 731	4,194 - 5,006
Detached houses, high-end	800 - 1,085	731 - 1,024	5,117 - 6,657
<b>OFFICE / COMMERCIAL</b>			
Medium/high-rise offices, average standard	625 - 830*	731 - 878	2,834 - 3,659
High-rise offices, prestige quality	980 - 1,415**	1,024 - 1,316	3,659 - 4,003
Out-of-town shopping center, average standard	460 - 695	701 - 936	2,668 - 4,003
Retail malls, high-end	725 - 1,110	936 - 1,112	4,194 - 5,062
<b>HOTELS</b>			
Budget hotels - 3-star, mid market	1,060 - 1,560	1,229 - 1,316	3,729 - 4,223
Business hotels - 4/5-star	1,385 - 2,430	1,609 - 1,902	5,062 - 6,051
Luxury hotels - 5 star	2,030 - 2,725	2,048 - 2,340	6,051 - 7,153



INDUSTRIAL						
Industrial units, shell only (Conventional single storey framed units)	340	-	480 <sup>^</sup>	527	-	701
Owner operated factories, low-rise, lightweight industry	450	-	570	-	-	-
OTHERS						
Underground/basement car parks (<3 levels)	325	-	580	644	-	878
Multi-storey car parks, above ground (<4 levels)	215	-	375	351	-	527
Schools (primary and secondary)	270	-	345 <sup>+</sup>	585	-	878
Students' residences	315	-	400 <sup>^</sup>	439	-	585
Sports clubs, multi-purpose sports/leisure centers (dry sports) with A/C and including FF&E	630	-	800	-	-	-
General hospitals - public sector	870	-	1,270	-	-	-
Exchange Rate Used : USD1 =	RM	4.48		BAHT	34.18	MOP 8.04

The above costs are at 4th Quarter 2024 Levels, inclusive of preliminaries unless otherwise stated.

#### Macau

Rates are exclusive of contingencies and any management contract fee.

#### Kuala Lumpur

# 6-12 units per floor, 46m<sup>2</sup> - 83m<sup>2</sup> per unit; excluding A/C, kitchen cabinets, and home appliances

<sup>^</sup>Excluding A/C, kitchen cabinets, and home appliances

\* Excluding tenant fit-out and raised floor

\*\* Excluding tenant fit-out.

+ Schools with standard government provisions

<sup>^^</sup> Student hostels to university standard

All rates are exclusive of GST and exclusive of contingencies.

CONSTRUCTION COSTS FOR SELECTED ASIAN CITIES (Cont'd)				
BUILDING TYPE	USD / m² CFA			HO CHI MINH
	JAKARTA	BANGALORE		
DOMESTIC				
Apartments, high-rise, average standard	872 - 989*	689 - 827*	562 - 697	
Apartments, high-rise, high-end	1,202 - 1,357*	1,100 - 1,380*	816 - 1,099	
Terraced houses, average standard	461 - 601	485 - 539	550 - 639	
Detached houses, high-end	1,259 - 1,406	613 - 685	797 - 896	
OFFICE / COMMERCIAL				
Medium/high-rise offices, average standard	829 - 923^	507 - 562	667 - 763	
High-rise offices, prestige quality	1,322 - 1,466^	588 - 744	846 - 1,140	
Out-of-town shopping center, average standard	741 - 822	516 - 572	617 - 755	
Retail malls, high-end	815 - 884	670 - 788	772 - 944	
HOTELS				
Budget hotels - 3-star, mid market	1,502 - 1,774	981 - 1,056	1,165 - 1,409	
Business hotels - 4/5-star	2,046 - 2,209	1,391 - 1,771	1,342 - 1,624	
Luxury hotels - 5-star	2,168 - 2,381	1,908 - 2,228	1,739 - 2,063	

INDUSTRIAL					
Industrial units, shell only (Conventional single storey framed units)	411	-	446	446	- 551 300 - 373
Owner-operated factories, low-rise, lightweight industry	444	-	490	416	- 550 340 - 444
OTHERS					
Underground/basement car parks (<3 levels)	616	-	758	332	- 386 616 - 726
Multi storey car parks, above ground (<4 levels)	398	-	434	274	- 324 398 - 431
Schools (primary and secondary)	-	-	-	346	- 404 549 - 671
Students' residences	-	-	-	359	- 443 524 - 665
Sports clubs, multi-purpose sports/leisure centers (dry sports) with A/C and including FF&E	1,259	-	1,887	667	- 754 1,056 - 1,291
General hospitals - public sector	-	-	-	754	- 871 -
Exchange Rate Used : USD1 =	IDR 15,820			INR 85.04	VND 25,498

The above costs are at 4th Quarter 2024 Levels, inclusive of preliminaries unless otherwise stated.

#### India

- \* Unit cost including Shell and core + Full fit excluding decorative light fittings and loose furniture.
- ^ Tenant area - floor finish will be screeded floor, painted wall and ceiling. Excluding raised floor/carpet.

#### Jakarta

- \* Unit cost including Shell and core + Full fit excluding decorative light fittings and loose furniture.
- ^ Tenant area - floor finish will be screeded floor, painted wall and ceiling. Excluding raised floor/carpet.

CONSTRUCTION COSTS FOR SELECTED ASIAN CITIES (Cont'd)				
BUILDING TYPE	USD / m <sup>2</sup> CFA			
	SHANGHAI	BEIJING	SHENZHEN / GUANGZHOU	CHONGQING / CHENGDU
DOMESTIC				
Apartments, high-rise, average standard	659 - 726	580 - 636	536 - 615	549 - 637
Apartments, high-rise, high-end	1,487 - 1,621	1,405 - 1,599	872 - 994	887 - 1,087
Terraced houses, average standard	910 - 991	840 - 899	813 - 972	754 - 885
Detached houses, high-end	1,600 - 1,697	1,595 - 1,664	1,559 - 1,827	959 - 1,089
OFFICE / COMMERCIAL				
Medium/high-rise offices, average standard	845 - 1,116	827 - 1,114	761 - 869	868 - 997
High-rise offices, prestige quality	1,085 - 1,484	1,344 - 1,829	1,114 - 1,400	1,094 - 1,455
Out-of-town shopping center, average standard	-	-	-	-
Retail malls, high-end	1,147 - 1,546	1,118 - 1,539	1,084 - 1,571	1,044 - 1,441
HOTELS				
Budget hotels- 3-star, mid market	924 - 1,127	915 - 1,127	977 - 1,108	943 - 1,152
Business hotels - 4/5-star	1,489 - 2,016	1,558 - 2,058	1,579 - 2,324	1,692 - 2,093
Luxury hotels - 5-star	2,014 - 2,407	1,984 - 2,553	2,125 - 2,415	2,083 - 2,477

INDUSTRIAL							
Industrial units, shell only (Conventional single storey framed units)	260	-	319	255	-	311	290 - 357 430 - 534
Owner-operated factories, low-rise, lightweight industry	402	-	504	494	-	566	-
OTHERS							
Underground/basement car parks (<3 levels)	690	-	963	706	-	776	507 - 829 396 - 549
Multi storey car parks, above ground (<4 levels)	354	-	494	425	-	429	361 - 409 316 - 386
Schools (primary and secondary)	528	-	666	492	-	635	408 - 530 419 - 461
Students' residences	386	-	527	348	-	492	376 - 479 293 - 419
Sports clubs, multi-purpose sports/leisure centers (dry sports) with A/C and including FF&E	890	-	1,093	842	-	850	699 - 792 661 - 724
General hospitals - public sector	1,360	-	1,754	1,107	-	1,387	1,058 - 1,364 1,056 - 1,308
Exchange Rate Used : USD1 =	RMB 7.30			RMB 7.30			RMB 7.30

The above costs are at 4th Quarter 2024 Levels, inclusive of preliminaries unless otherwise stated.

M&E COSTS FOR SELECTED ASIAN CITIES			
BUILDING TYPE	MANILA <sup>a</sup>	HONG KONG	SINGAPORE <sup>a</sup>
	(PHP/m <sup>2</sup> )	(HK\$/m <sup>2</sup> )	(S\$/m <sup>2</sup> )
MECHANICAL SERVICES			
Offices	4,000 - 8,600	2,100 - 2,700	225 - 349
Industrial *	800 - 1,600	350 - 500	42 - 160
Hotels	3,500 - 13,850	2,450 - 2,900	291 - 380
Shopping Centers	3,240 - 7,790	2,200 - 2,650	198 - 332
Apartment	1,650 - 5,700	950 - 1,600	124 - 230
ELECTRICAL SERVICES			
Offices	3,500 - 8,712	2,350 - 2,900	208 - 376
Industrial **	2,000 - 3,500	850 - 1,000	71 - 180
Hotels	4,900 - 11,220	2,350 - 2,900	372 - 495
Shopping Centers	3,060 - 6,800	1,950 - 2,850	214 - 414
Apartment	3,957 - 7,200	1,200 - 1,750	143 - 312
HYDRAULIC SERVICES			
Offices	1,260 - 2,410	700 - 850	36 - 76
Industrial	820 - 1,440	500 - 650	24 - 49
Hotels	2,310 - 7,470	1,900 - 2,500	163 - 229

Shopping Centers	1,250 - 1,640	700 - 850	60 - 110
Apartment	2,310 - 4,880	1,350 - 2,000	108 - 193
FIRE SERVICES			
Offices	1,190 - 2,070	650 - 800	39 - 93
Industrial	1,180 - 3,000	600 - 750	29 - 65
Hotels	1,320 - 2,630	700 - 900	35 - 74
Shopping Centers	1,310 - 2,080	650 - 900	48 - 72
Apartment	1,140 - 1,990	420 - 720	27 - 86
LIFTS / ESCALATORS			
Offices	1,800 - 5,170	700 - 1,100	86 - 170
Industrial	0 - 730	500 - 650	56 - 141
Hotels	1,800 - 3,540	600 - 850	68 - 112
Shopping Centers	1,600 - 2,480	850 - 1,100	77 - 122
Apartment	850 - 4,760	450 - 850	55 - 153

Costs are at 4th Quarter 2024 Levels, exclusive of contingencies unless otherwise stated.

\* Generally without A/C

\*\* Excluding special power supply

**Manila**

Transformer, included in Electrical Services



1

Construction Cost Data

M&E COSTS FOR SELECTED ASIAN CITIES (Cont'd)

BUILDING TYPE	KUALA LUMPUR	BANGKOK#	MACAU
	(RM/m <sup>2</sup> )	(BAHT/m <sup>2</sup> )	(MOP/m <sup>2</sup> )
MECHANICAL SERVICES			
Offices	410 - 580	3,450 - 3,900	-
Industrial *	110 - 215	1,550 - 1,700	-
Hotels	390 - 695	3,800 - 5,200	2,650 - 3,050
Shopping Centers	390 - 560	2,800 - 3,200	2,370 - 2,960
Apartment	155 - 235	2,800 - 3,400	910 - 1,210
ELECTRICAL SERVICES			
Offices	375 - 540	4,400 - 4,900	-
Industrial **	195 - 225	1,950 - 2,200	-
Hotels	390 - 620	4,600 - 5,800	2,650 - 3,150
Shopping Centers	375 - 530	4,600 - 4,800	2,640 - 3,000
Apartment	145 - 245	4,300 - 4,500	1,050 - 1,340
HYDRAULIC SERVICES			
Offices	60 - 80	780 - 990	-
Industrial	60 - 70	750 - 800	-
Hotels	225 - 315	1,400 - 2,200	1,800 - 2,210

Shopping Centers	50 - 55	790 - 990	600 - 800
Apartment	70 - 110	1,200 - 1,520	1,500 - 2,000
FIRE SERVICES			
Offices	80 - 100	780 - 890	-
Industrial	70 - 80	730 - 790	-
Hotels	80 - 110	780 - 930	950 - 1,160
Shopping Centers	70 - 90	780 - 890	640 - 830
Apartment	30 - 40	750 - 930	280 - 330
LIFTS / ESCALATORS			
Offices	175 - 410	1,100 - 1,400	-
Industrial	70 - 195	-	-
Hotels	145 - 335	1,100 - 1,400	610 - 820
Shopping Centers	120 - 135	500 - 700	460 - 720
Apartment	80 - 120	600 - 800	460 - 610

Costs are at 4th Quarter 2024 Levels, exclusive of contingencies unless otherwise stated.

\* Generally without A/C

\*\* Excluding special power supply

**Bangkok**

Based upon nett enclosed area and nett of VAT

Source of data: **Kuala Lumpur** - JUBM Group. **Bangkok** - Mentabuild Limited.

M&E COSTS FOR SELECTED ASIAN CITIES (Cont'd)			
BUILDING TYPE	JAKARTA=	INDIA+	HO CHI MINH
	(IDR'000/m²)	(INR/m²)	(VND'000/m²)
MECHANICAL SERVICES			
Offices	1,067 - 1,229	6,124 - 8,540	2,858,000 - 4,062,000
Industrial *	484 - 772	2,875 - 5,451	-
Hotels	1,100 - 1,428	7,094 - 8,548	-
Shopping Centers	939 - 1,128	6,249 - 8,706	3,207,000 - 3,247,000
Apartment	1,050 - 1,333	3,224 - 4,600	2,918,000 - 3,495,000
ELECTRICAL SERVICES			
Offices	862 - 1,100	5,501 - 8,409	2,881,0000 - 3,450,000
Industrial **	610 - 761	3,238 - 5,977	-
Hotels	888 - 1,224	6,101 - 9,251	-
Shopping Centers	750 - 945	5,244 - 7,801	2,645,000 - 3,306,000
Apartment	990 - 1,154	2,774 - 4,040	2,458,000 - 3,105,000
HYDRAULIC SERVICES			
Offices	217 - 306	917 - 1,556	426,000 - 796,000
Industrial	145 - 222	632 - 1,214	-
Hotels	1,039 - 1,224	4,830 - 8,000	-

Shopping Centers	206 - 317	1,376 - 2,735	351,000 - 631,000
Apartment	1,050 - 1,244	2,179 - 3,315	853,000 - 988,000
FIRE SERVICES			
Offices	741 - 924	1,438 - 2,081	821,000 - 1,352,000
Industrial	156 - 222	657 - 1,004	-
Hotels	344 - 428	1,671 - 2,373	-
Shopping Centers	289 - 338	1,375 - 1,764	749,000 - 917,000
Apartment	328 - 356	769 - 1,015	661,000 - 819,000
LIFTS / ESCALATORS			
Offices	461 - 1,105	1,126 - 1,500	787,000 - 1,512,000
Industrial	-	749 - 990	-
Hotels	734 - 1,144	1,688 - 2,500	-
Shopping Centers	338 - 911	1,974 - 2,575	1,612,000 - 2,264,000
Apartment	745 - 928	1,014 - 1,350	887,000 - 1,297,000

Costs are at 4th Quarter 2024 Levels, exclusive of contingencies unless otherwise stated.

\* Generally without A/C

\*\* Excluding special power supply

**India**

Rates are based on projects in Bangalore and are nett

of GST. Mumbai costs are generally 8% higher.

The data for India is provided by Arkind LS Private Limited, an Arcadis Alliance Partner

Source of data: **India** - Arkind LS Private Limited.

M&E COSTS FOR SELECTED ASIAN CITIES (Cont'd)				
BUILDING TYPE	SHANG HAI	BEIJING	SHENZHEN / GUANGZHOU	CHONGQING / CHENGDU
	(RMB/m <sup>2</sup> )	(RMB/m <sup>2</sup> )	(RMB/m <sup>2</sup> )	(RMB/m <sup>2</sup> )
MECHANICAL SERVICES				
Offices	773 - 953	782 - 1,212	744 - 1,105	753 - 1,017
Industrial *	171 - 280	169 - 277	150 - 276	145 - 236
Hotels	977 - 1,238	960 - 1,211	1,028 - 1,310	973 - 1,331
Shopping Centers	757 - 889	798 - 979	693 - 883	890 - 1,014
Apartment	309 - 398	141 - 455	148 - 398	150 - 296
ELECTRICAL SERVICES				
Offices	606 - 663	494 - 893	509 - 763	503 - 713
Industrial **	305 - 417	335 - 473	310 - 446	279 - 377
Hotels	662 - 819	755 - 991	693 - 922	625 - 875
Shopping Centers	528 - 642	505 - 725	480 - 669	557 - 711
Apartment	256 - 364	266 - 417	276 - 485	240 - 354
HYDRAULIC SERVICES				
Offices	109 - 155	98 - 144	102 - 177	90 - 124
Industrial	87 - 122	96 - 141	86 - 120	93 - 127
Hotels	366 - 488	380 - 485	378 - 485	368 - 489

Shopping Centers	137 -	178	141 -	206	111 -	163	106 -	155
Apartment	167 -	218	172 -	231	146 -	272	103 -	181
FIRE SERVICES								
Offices	226 -	308	186 -	273	228 -	337	244 -	294
Industrial	157 -	253	152 -	227	139 -	264	136 -	235
Hotels	288 -	375	225 -	379	276 -	412	280 -	375
Shopping Centers	257 -	372	221 -	387	241 -	371	267 -	379
Apartment	56 -	102	71 -	136	76 -	288	62 -	114
LIFTS / ESCALATORS								
Offices	271 -	522	291 -	571	280 -	491	305 -	561
Industrial	131 -	371	143 -	396	145 -	423	153 -	355
Hotels	212 -	469	229 -	515	241 -	461	254 -	437
Shopping Centers	315 -	469	323 -	515	288 -	451	309 -	461
Apartment	160 -	276	173 -	286	125 -	433	142 -	246

Costs are at 4th Quarter 2024 Levels, exclusive of contingencies unless otherwise stated.

\* Generally without A/C

\*\* Excluding special power supply

MAJOR RATES FOR SELECTED ASIAN CITIES			
DESCRIPTION	UNIT	MANILA	SINGAPORE
		(PHP)	(S\$)
1. Excavating basement ≤ 2.00m deep	m <sup>3</sup>	300 - 450	33
2. Excavating for footings ≤ 1.50m deep	m <sup>3</sup>	538	33
3. Remove excavated materials off site	m <sup>3</sup>	350 - 700	32 - 39
4. Hardcore bed blinded with fine materials	m <sup>3</sup>	1,400 - 1,800	69.5
5. Mass concrete grade 15	m <sup>3</sup>	4,500	295 - 310
6. Reinforced concrete grade 30	m <sup>3</sup>	6,500 - 7,500	184 - 191
7. Mild steel rod reinforcement	kg	52 - 55	1.80 - 1.90
8. High tensile rod reinforcement	kg	52 - 55	1.80 - 1.90
9. Sawn formwork to soffits of suspended slabs	m <sup>2</sup>	950 - 1,200	58
10. Sawn formwork to columns and walls	m <sup>2</sup>	1,200 - 1,400	58
11. 112.5mm thick brick walls	m <sup>2</sup>	N/A	45 - 50
12. "Kliplok Colorbond" 0.64mm profiled steel sheeting	m <sup>2</sup>	1,500	58

13. Aluminium casement windows, single glazed	m <sup>2</sup>	16,000	4,400	390
14. Structural steelwork - beams, stanchions, and the like	kg	180	34	6.30 - 7.10
15. Steelwork - angles, channels, flats, and the like	kg	160	43	6.30 - 7.10
16. 25mm cement and sand (1:3) paving	m <sup>2</sup>	450 - 700	170	31
17. 20mm cement and sand (1:4) plaster to walls	m <sup>2</sup>	500 - 700	175	32
18. Ceramic tiles bedded to floor screed (measured separately)	m <sup>2</sup>	1,900 - 2,500	430	91.5
19. 12mm fibrous plasterboard ceiling lining	m <sup>2</sup>	1,400 - 1,700	580	40
20. Two coats of emulsion paint to plastered surfaces	m <sup>2</sup>	500 - 800	150	5.00 - 5.50
Average expected preliminaries	%	12 - 18	10 - 15	14 - 18

**Manila**

Item 13 - Aluminium with powdercoat finish; 6mm thick

**Hong Kong**

Item 3 - Rate including dumping charges

**Singapore**

Rates are nett of GST.

Item 5 - Rate for lean concrete blinding

The data is provided by Global Infrastructure Solutions Inc.



MAJOR RATES FOR SELECTED ASIAN CITIES (Cont'd)				
DESCRIPTION	UNIT	KUALA LUMPUR	BANGKOK	MACAU
		(RM)	(BAHT)	(MOP)
1. Excavating basement ≤ 2.00m deep	m <sup>3</sup>	20 - 37	125 - 160	150
2. Excavating for footings ≤ 1.50m deep	m <sup>3</sup>	20 - 37	150 - 190	180
3. Remove excavated materials off site	m <sup>3</sup>	21.5 - 40	125 - 160	150
4. Hardcore bed blinded with fine materials	m <sup>3</sup>	75 - 115	680 - 790	1,300
5. Mass concrete grade 15	m <sup>3</sup>	280 - 355	2,300 - 2,700	1,500
6. Reinforced concrete grade 30	m <sup>3</sup>	320 - 395	2,800 - 3,470	1,400
7. Mild steel rod reinforcement	kg	3.9 - 4.9	28 - 31	7.50
8. High tensile rod reinforcement	kg	3.9 - 4.9	28 - 31	7.50
9. Sawn formwork to soffits of suspended slabs	m <sup>2</sup>	42 - 56	450 - 500	280
10. Sawn formwork to columns and walls	m <sup>2</sup>	42 - 56	450 - 500	280
11. 112.5mm thick brick walls	m <sup>2</sup>	54 - 67	650 - 890	450
12. "Kliplok Colorbond" 0.64mm profiled steel sheeting	m <sup>2</sup>	80 - 115	1,200	N/A

13. Aluminium casement windows, single glazed	m <sup>2</sup>	420 - 700	7,600	4,000
14. Structural steelwork - beams, stanchions, and the like	kg	7.80 - 14	55 - 80	30
15. Steelwork - angles, channels, flats, and the like	kg	7.80 - 14	55 - 80	40
16. 25mm cement and sand (1:3) paving	m <sup>2</sup>	21.5 - 28.5	220 - 275	120
17. 20mm cement and sand (1:4) plaster to walls	m <sup>2</sup>	22 - 37	250 - 295	150
18. Ceramic tiles bedded to floor screed (measured separately)	m <sup>2</sup>	80 - 130	1,200	450
19. 12mm fibrous plasterboard ceiling lining	m <sup>2</sup>	42 - 56	850 - 950	650
20. Two coats of emulsion paint to plastered surfaces	m <sup>2</sup>	3.70 - 5.80	140 - 180	200
Average expected preliminaries	%	6 - 15	12 - 18	10

**Bangkok**

Rates are nett of VAT.

The data for Bangkok is provided by Mentabuild Limited.

**Kuala Lumpur**

Item 12: Kliplok Colorbond" 0.53mm profiled steel sheeting.

Source of data: **Kuala Lumpur** - JUBM Group. **Bangkok** - Mentabuild Limited.

MAJOR RATES FOR SELECTED ASIAN CITIES (Cont'd)				
DESCRIPTION	(IDR '000)		(INR)	(VND)
	UNIT	JAKARTA <sup>#</sup>	INDIA <sup>6</sup>	HO CHI MINH <sup>#</sup>
1. Excavating basement ≤ 2.00m deep	m <sup>3</sup>	70	281	80,540
2. Excavating for footings ≤ 1.50m deep	m <sup>3</sup>	100	267	80,540
3. Remove excavated materials off site	m <sup>3</sup>	50	N/A	94,230
4. Hardcore bed blinded with fine materials	m <sup>3</sup>	650	5,200 - 5,480	727,670
5. Mass concrete grade 15	m <sup>3</sup>	1,150	7,038	1,866,130
6. Reinforced concrete grade 30	m <sup>3</sup>	1,250	8,737	2,221,480
7. Mild steel rod reinforcement	kg	15	78	20,990
8. High tensile rod reinforcement	kg	15	72 - 75	20,550
9. Sawn formwork to soffits of suspended slabs	m <sup>2</sup>	250	735 - 774	255,750
10. Sawn formwork to columns and walls	m <sup>2</sup>	220	832 - 850	309,030
11. 112.5mm thick brick walls	m <sup>2</sup>	275	1,316 - 1,360	313,040
12. "Kliplok Colorbond" 0.64mm profiled steel sheeting	m <sup>2</sup>	375	2,006 - 2,059	459,420 - 647,140

# CONSTRUCTION COST HANDBOOK PHILIPPINES 2025

13. Aluminium casement windows, single glazed	m <sup>2</sup>	1,850	6,720 - 7,205	7,055,180
14. Structural steelwork - beams, stanchions, and the like	kg	43	154	49,250
15. Steelwork - angles, channels, flats, and the like	kg	45	154	49,250
16. 25mm cement and sand (1:3) paving	m <sup>2</sup>	120	582 - 642	116,350
17. 20mm cement and sand (1:4) plaster to walls	m <sup>2</sup>	120	514 - 550	159,440
18. Ceramic tiles bedded to floor screed (measured separately)	m <sup>2</sup>	250	1,966 - 1,998	668,090
19. 12mm fibrous plasterboard ceiling lining	m <sup>2</sup>	220	1,605 - 1,772	248,590
20. Two coats of emulsion paint to plastered surfaces	m <sup>2</sup>	40	229 - 255	102,530
Average expected preliminaries	%	8 - 10	9 - 13	8 - 12

## Ho Chi Minh

Rates are nett of VAT.

**India**  
All rates above are Supply & Fix based on projects in Bangalore and are nett of GST. Mumbai costs are generally 8% higher.

The data for India is provided by Arkind LS Private Limited, an Arcadis Alliance Partner

Source of data: **Jakarta** - PT Lantera Sejahtera Indonesia. **India** - Arkind LS Private Limited.

MAJOR RATES FOR SELECTED ASIAN CITIES (Cont'd)				
DESCRIPTION	UNIT	RMB	RMB	RMB
		SHANG HAI	BEIJING	SHENZHEN / GUANGZHOU
1. Excavating basement ≤ 2.00m deep	m <sup>3</sup>	30	35	36
2. Excavating for footings ≤ 1.50m deep	m <sup>3</sup>	30	40	36
3. Remove excavated materials off site	m <sup>3</sup>	300	160	65
4. Hardcore bed blinded with fine materials	m <sup>3</sup>	210	220	180
5. Mass concrete grade 15	m <sup>3</sup>	580	600	500
6. Reinforced concrete grade 30	m <sup>3</sup>	650	710	530
7. Mild steel rod reinforcement	kg	5.2	5.6	5.5
8. High tensile rod reinforcement	kg	5.2	5.8	5.5
9. Sawn formwork to soffits of suspended slabs	m <sup>2</sup>	95	90	75
10. Sawn formwork to columns and walls	m <sup>2</sup>	90	85	75
11. 112.5mm thick brick walls	m <sup>2</sup>	105	80	80
12. "Kliplok Colorbond" 0.64mm profiled steel sheeting	m <sup>2</sup>	N/A	N/A	NA

# CONSTRUCTION COST HANDBOOK PHILIPPINES 2025

13. Aluminium casement windows, single glazed	m <sup>2</sup>	780	800	700	760
14. Structural steelwork - beams, stanchions, and the like	kg	10	12.5	12	10
15. Steelwork - angles, channels, flats, and the like	kg	8.5	11.50	10	9
16. 25mm cement and sand (1:3) paving	m <sup>2</sup>	35	34	35	34
17. 20mm cement and sand (1:4) plaster to walls	m <sup>2</sup>	35	34	35	34
18. Ceramic tiles bedded to floor screed (measured separately)	m <sup>2</sup>	160	155	160	150
19. 12mm fibrous plasterboard ceiling lining	m <sup>2</sup>	160	162	170	150
20. Two coats of emulsion paint to plastered surfaces	m <sup>2</sup>	40	34*	35	35
Average expected preliminaries	%	6-12	5-15	6-12*	5-12

**Shanghai**

Item 11 - Rate for 120mm thick concrete block walls

**Beijing, Chongqing/Chengdu**

Item 13 - Rate for double glazed window \*update on 2025.01.06

# 1 Construction Cost Data

## M&E MAJOR PLANT COSTS FOR THE PHILIPPINES

DESCRIPTION	UNIT	COST (PHP)
1. Water-cooled chiller; conventional bearing	per TR	19,000 - 36,000
2. Water-cooled chiller; magnetic bearing	per TR	37,000 - 50,000
3. Air-cooled chillers	per TR	34,500 - 48,000
4. Cooling Towers; induced draft	per GPM	2,900 - 5,320
5. Air Handling Units (AHU)	per TR	18,500 - 36,300
6. Packaged Water-Cooled Chiller Units (PWCU)	per TR	31,300 - 45,900
7. Fire Pumps; electric motor driven; up to 180 psi	per GPM	1,900 - 4,900
8. Fire Pumps; electric motor driven; 180 to 295 psi	per GPM	4,400 - 9,600
9. Fire Pumps; diesel engine driven; up to 180 psi	per GPM	2,500 - 5,400
10. Fire Pumps; diesel engine driven; 180 to 295 psi	per GPM	4,600 - 10,600
11. Air to Water Heat Pumps (KW based on heating capacity)	per KW	33,100 - 46,300
12. Water to Water Heat Pumps (KW based on heating capacity)	per KW	13,500 - 41,600
13. Generator (Low Voltage-400V) Standby Rating	per KVA	8,500 - 10,500
14. Generator (Low Voltage-400V) Prime Rating	per KVA	11,000 - 12,800
15. Generator (Medium Voltage-4160V) Continuous Rating	per KVA	14,500 - 15,000
16. Generator (Medium Voltage-4160V) Prime Rating	per KVA	11,000 - 12,600
17. Power transformers, with built-in primary protections; padmount	per KVA	2,500 - 5,000

**M&E MAJOR PLANT COSTS FOR THE PHILIPPINES**

DESCRIPTION	UNIT	COST (PHP)
18. Power transformers, with built-in primary protections; silicon oil filled	per KVA	1,300 - 4,400
19. Power transformers, with built-in primary protections; cast resin	per KVA	2,000 - 6,000
20. Hot Water Storage Tank with Heating Coil	per Gallon	3,000 - 5,700
21. Sewage Treatment Plant, Sequencing Batch Reactor (SBR); including civil works (no piling and located within the building)	per m <sup>3</sup> /day	30,000 - 40,000
22. Kitchen Waste Water Treatment; Gas Energy Mixing (GEM); including civil works (no piling and located within the building)	per m <sup>3</sup> /day	93,000 - 111,000
23. Desalination System; Reverse Osmosis up to 200 CMD	per m <sup>3</sup> /day	68,000 - 101,000
24. Desalination System; Reverse Osmosis 200 CMD to 600 CMD	per m <sup>3</sup> /day	35,000 - 74,000
25. Elevator; 1000 kgs, 1 to 2 mps (no skip floors; less than 10 floors)	cost/stop	550,000 - 1,400,000
26. Elevator; 1350 kgs, 2.5 to 3 mps (no skip floors; 10 to 20 floors)	cost/stop	885,000 - 1,155,000
27. Elevator; 1350 kgs, 2.5 to 3 mps (no skip floors; 20 to 30 floors)	cost/stop	700,000 - 885,000
28. Elevator; 1350 kgs, 2.5 to 3 mps (no skip floors; 30 to 40 floors)	cost/stop	550,000 - 744,000
29. Elevator; 1600 kgs, 4 mps (no skip floors; 20 to 30 floors)	cost/stop	760,000 - 1,085,000
30. Elevator; 1600 kgs, 4 mps (no skip floors; 30 floors to 40 floors)	cost/stop	660,000 - 881,900
31. Elevator; 1600 kgs, 5 mps (no skip floors; 40 floors to 45 floors)	cost/stop	1,180,000 - 1,284,000

**Notes:**

1. Rates are based on direct supply of imported equipment and materials by the developer.
2. Rates include all government-imposed taxes, import duties brokerage fees and allowances for local materials and installation cost.
3. Rates exclude preliminaries and contingencies.
4. Rates are based on fixed price tenders received in January 2025.
5. The cost per unit of the equipment is higher at lower capacity

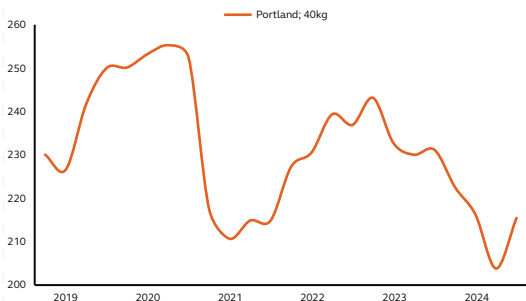


# 1 Construction Cost Data

## RETAIL PRICES OF BASIC CONSTRUCTION MATERIALS FOR PHILIPPINES

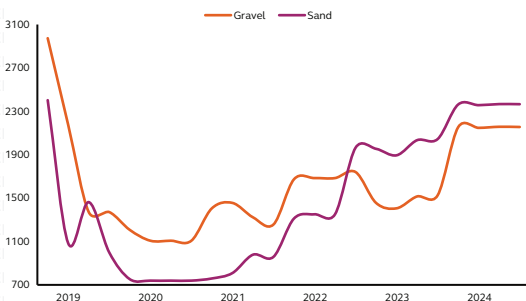
### Cement

PHP / bag (40 kg)



### Aggregates

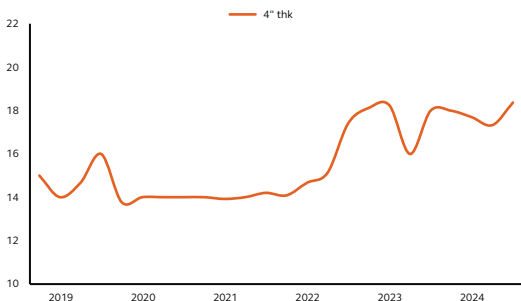
PHP / m<sup>3</sup>



## RETAIL PRICES OF BASIC CONSTRUCTION MATERIALS FOR PHILIPPINES

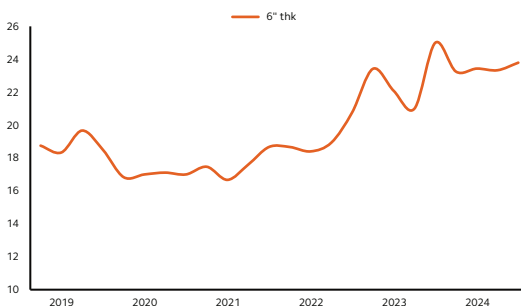
### Ordinary Concrete Hollow blocks 4" thick

PHP / piece



### Ordinary Concrete Hollow blocks 6" thick

PHP / piece

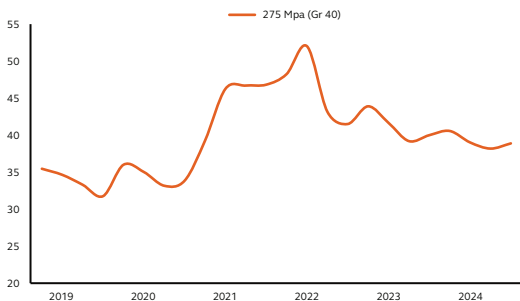


# 1 Construction Cost Data

## RETAIL PRICES OF BASIC CONSTRUCTION MATERIALS FOR PHILIPPINES

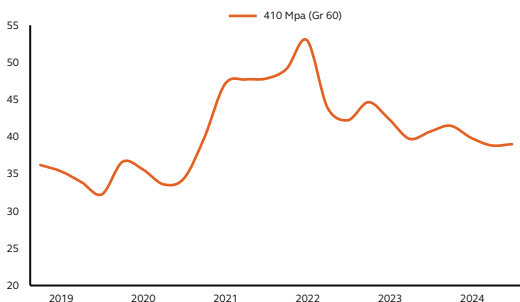
### Reinforcing Bar (Intermediate Grade - Grade 40; 275MPa)

PHP / kg



### Reinforcing Bar (High Yield Grade - Grade 60; 400MPa)

PHP / kg



## RETAIL PRICES OF BASIC CONSTRUCTION MATERIALS FOR PHILIPPINES

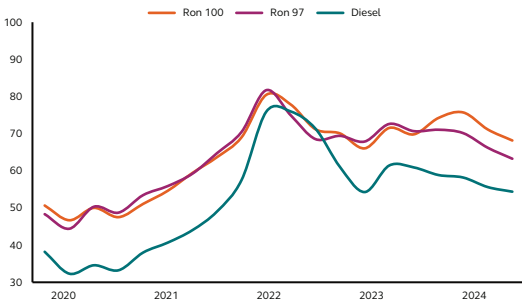
### Structural Steel Wide Flange

PHP / kg



### Fuel

PHP / liter



*This image is an artist's rendition for illustrative purposes only. Actual design, layout, colors, features, and specifications is subject to change and should not be relied upon as the final representation of the project.*



*BPI Head Office Redevelopment  
Owner/Developer: Bank of the Philippine Islands  
Design Consultant: Skidmore, Owings & Merrill LLP  
Architect of Record: Aidea*

# 2 GENERAL CONSTRUCTION DATA

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Economic Highlights 2024

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Trends in Construction Costs for Philippines 2024

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Construction Value

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Construction Activity

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Construction Materials Wholesale Price Index  
(CMWPI) for NCR - For the Year

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Annual Average of Construction Materials  
Wholesale Price Index (CMWPI) for NCR

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Minimum Wage

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Estimating Rules of Thumb

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Embodied Carbon

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Utility Costs for Selected Asian Countries

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Lead Time of Different Packages

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Progress Payment

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Tender Price Index

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LEED Certification Cost Premium

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Construction Permits

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## 2 General Construction Data

### ECONOMIC HIGHLIGHTS 2024

#### **GDP EXPANDS BY 5.2 PERCENT IN THE FOURTH QUARTER OF 2024: BRINGS THE FULL-YEAR 2024 GDP YEAR-ON-YEAR GROWTH RATE TO 5.6 PERCENT**

The Philippine Gross Domestic Product (GDP) posted a year-on-year growth of 5.2 percent in the fourth quarter of 2024, which brought the 2024 full-year GDP growth to 5.6 percent.

The main contributors to the fourth quarter 2024 year-on-year growth were Wholesale and retail trade; repair of motor vehicles and motorcycles, 5.5 percent; Financial and insurance activities, 8.5 percent; and Construction, 7.8 percent.

Moreover, for the whole year of 2024, the industries that contributed the most to the annual growth were Wholesale and retail trade; repair of motor vehicles and motorcycles, 5.6 percent; Financial and insurance activities, 9.0 percent; and Construction, 10.3 percent.

Among the major economic sectors, Industry and Services posted year-on-year growths in the fourth quarter of 2024 with 4.4 percent and 6.7 percent, respectively. Meanwhile, the Agriculture, forestry, and fishing (AFF) sector posted a year-on-year decline of 1.8 percent. For the full year of 2024, Industry and Services also posted growths of 5.6 percent and 6.7 percent, respectively. On the other hand, AFF posted a decline of 1.6 percent in full-year 2024.

**Source:**

National Accounts of the Philippines  
Philippine Statistics Authority ([www.psa.gov.ph](http://www.psa.gov.ph))

On the demand side, Household Final Consumption Expenditure (HFCE) grew year-on-year by 4.7 percent in the fourth quarter of 2024. The following items also recorded year-on-year growths: Government Final Consumption Expenditure (GFCE), 9.7 percent; Gross capital formation, 4.1 percent; Exports of goods and services, 3.15 percent; and Imports of goods and services, 3.19 percent. For the full year 2024, all major expenditure items also posted growths as HFCE grew by 4.8 percent; GFCE, 7.2 percent; Gross capital formation, 7.5 percent; Exports of goods and services, 3.4 percent; and Imports of goods and services, 4.3 percent.

The Gross National Income grew year-on-year by 6.2 percent in the fourth quarter of 2024, which brought the full-year 2024 growth to 7.6 percent.

Likewise, Net Primary Income from the Rest of the World grew year-on-year by 14.1 percent during the fourth quarter of 2024, which resulted to a full-year growth of 26.1 percent.

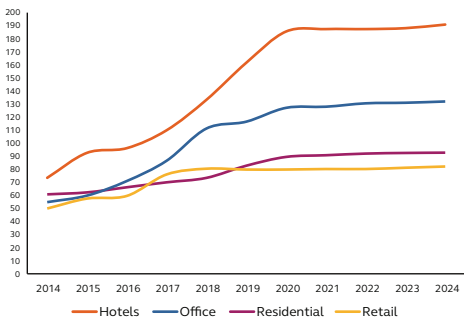
**Source:**  
National Accounts of the Philippines  
Philippine Statistics Authority ([www.psa.gov.ph](http://www.psa.gov.ph))



## 2 General Construction Data

### TRENDS IN CONSTRUCTION COSTS FOR PHILIPPINES

PHP / m<sup>2</sup> (Thousands)



### Building Construction Cost (PHP/m<sup>2</sup>)

Year	Hotels	Office	Residential	Retail	USDto PHP
2005	58,941	32,225	36,907	19,831	55.09
2006	61,577	34,894	37,973	22,322	51.31
2007	64,608	39,688	40,149	24,459	46.15
2008	62,042	41,806	40,917	23,572	44.47
2009	67,908	45,732	44,779	29,535	47.64
2010	70,822	48,042	46,914	33,156	45.11
2011	69,301	46,738	46,345	41,581	43.31
2012	69,175	57,009	50,675	46,452	42.23
2013	70,885	59,000	53,058	48,389	42.45
2014	73,252	60,600	54,606	49,723	44.40
2015	92,371	62,111	59,609	57,334	45.50
2016	95,935	66,015	70,764	59,366	47.49
2017	109,628	69,809	86,291	75,808	50.40
2018	132,914	73,197	110,955	80,201	52.66
2019	161,217	82,497	116,191	79,537	51.05
2020	185,130	89,213	126,773	79,561	48.94
2021	186,990	90,503	127,643	79,951	50.77
2022	186,990	91,765	130,235	79,951	56.12
2023	187,700	92,250	130,680	80,935	55.57
2024	190,466	92,485	131,663	81,881	58.01

**Note:**

The figures used on the Construction Trends were based on high-end / prestige projects.

## CONSTRUCTION VALUE

Construction Value (PHP Billions)



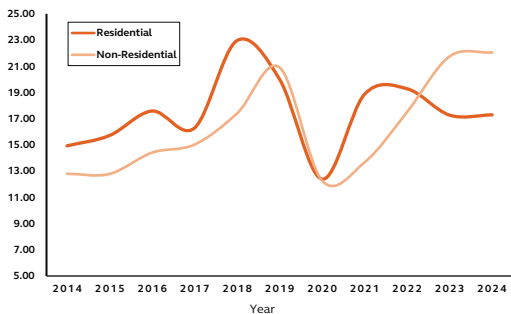
YEAR	Construction Value ('000)	
	Residential	Non-Residential
2009	80,108,885	51,295,024
2010	102,943,619	82,722,312
2011	100,220,969	89,952,721
2012	125,864,536	112,083,457
2013	133,783,612	135,163,094
2014	152,755,734	184,873,176
2015	160,065,906	143,221,467
2016	187,599,731	162,517,347
2017	164,153,250	143,315,470
2018	257,417,054	181,481,663
2019	225,818,368	233,185,922
2020	131,084,663	124,961,618
2021	211,657,593	155,698,797
2022	210,755,664	186,679,967
2023	200,846,236	219,559,609
2024*	219,259,819	227,847,570

\*Forecast Source: [www.psa.gov.ph](http://www.psa.gov.ph)

## 2 General Construction Data

### CONSTRUCTION ACTIVITY

Usable Floor Area (Millions m<sup>2</sup>)



YEAR	Usable Floor Area (m <sup>2</sup> )	
	Residential	Non-Residential
2009	10,059,645	5,918,411
2010	12,196,450	9,273,089
2011	11,674,389	8,875,138
2012	13,687,037	11,295,492
2013	13,672,027	10,278,621
2014	14,935,518	12,811,930
2015	15,723,803	12,793,261
2016	17,592,013	14,421,105
2017	16,301,228	15,035,707
2018	22,961,367	17,409,516
2019	20,011,536	20,916,613
2020	12,401,694	12,285,488
2021	18,874,688	13,681,466
2022	19,288,739	17,520,848
2023	17,276,390	21,761,629
2024*	17,299,965	22,064,968

\* Forecast Source: [www.psa.gov.ph](http://www.psa.gov.ph)

CONSTRUCTION COST HANDBOOK PHILIPPINES 2025														
CONSTRUCTION MATERIALS WHOLESALE PRICE INDEX IN THE NATIONAL CAPITAL REGION (NCR) 2024														
	2023		2024											
	Dec		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
ALL ITEMS	141.30		141.60	141.60	141.60	141.60	141.70	141.70	141.70	141.80	141.80	141.80	141.70	141.70
A. Sand and Gravel	151.20		151.20	151.20	150.90	150.80	150.80	150.70	151.30	151.50	151.50	151.30	151.30	151.30
B. Concrete Products & Cement	142.40		142.40	142.40	142.40	142.40	142.60	142.60	142.50	142.50	142.50	142.50	142.20	142.30
C. Hardware	140.60		141.80	141.80	141.90	141.90	141.60	141.80	142.40	142.30	142.30	142.50	142.30	142.40
D. Plywood	127.80		128.60	128.60	128.60	128.60	128.50	128.40	128.60	128.50	128.50	128.50	128.50	128.10
E. Lumber	148.70		150.70	150.70	150.70	150.80	150.80	150.70	150.90	150.80	150.80	151.40	151.40	151.70
F. G.I. Sheet	150.70		151.70	151.80	151.90	152.00	151.70	151.80	152.10	152.10	152.10	152.10	152.20	152.10
G. Reinforcing & Structural Steel	141.90		142.20	142.30	142.30	142.30	142.40	142.40	142.30	142.70	142.70	142.70	142.90	142.90
H. Tile Works	140.70		140.80	140.80	141.00	141.00	141.10	141.10	141.60	141.60	141.60	141.60	141.40	141.50
I. Glass & Glass Products	130.40		130.40	130.40	130.40	130.40	130.40	130.40	130.40	130.40	130.40	130.40	130.40	130.40

63

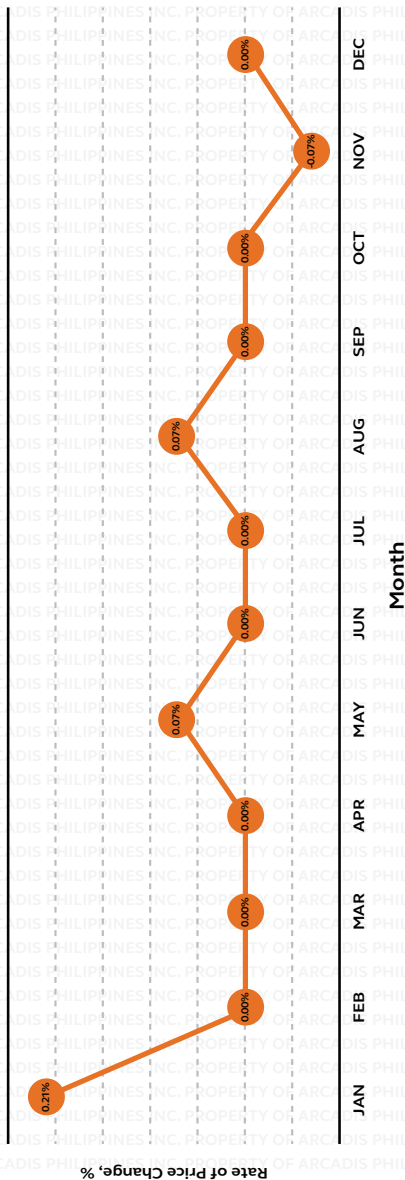
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General Construction Data

CONSTRUCTION MATERIALS WHOLESALE PRICE INDEX IN THE NATIONAL CAPITAL REGION (NCR) 2024 (Cont'd)

	2023	2024											
	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
J. Doors, Jambs, and Steel Casement	122.40	123.10	123.20	123.40	123.40	123.30	123.40	123.50	123.80	123.80	123.80	123.50	123.50
K. Electrical Works	152.60	152.90	152.90	152.80	152.70	152.80	152.80	153.10	154.20	154.20	154.20	153.50	153.40
L. Plumbing Fixtures & Accessories / Waterworks	138.10	138.70	138.70	138.70	138.70	138.70	139.40	139.50	139.50	139.50	139.60	139.70	139.70
M. Painting Works	128.60	129.50	129.60	129.60	129.60	129.60	129.80	129.60	129.80	129.80	129.90	130.60	130.60
N. PVC Pipes	124.80	125.30	125.30	125.50	125.50	124.90	125.20	125.30	125.40	125.40	125.40	125.50	125.50
O. Fuel and Lubricants	153.00	153.60	153.60	153.60	154.80	154.90	152.40	152.40	152.40	152.40	150.40	151.10	151.80
P. Asphalt	104.20	104.20	104.20	104.20	104.20	104.20	104.20	104.20	104.20	104.20	104.20	104.20	104.20
Q. Machinery and Equipment Rental	152.90	152.90	152.90	152.90	152.90	152.90	152.90	152.90	152.90	152.90	152.90	152.90	152.90

## Construction Materials Wholesale Price Index 2024 Monthly Price Movement (2012=100)



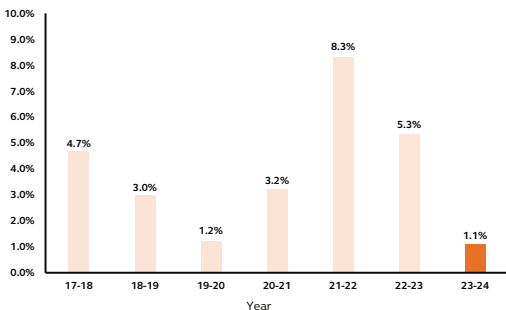
## 2 General Construction Data

### ANNUAL AVERAGE OF CONSTRUCTION MATERIALS WHOLESALE PRICE INDEX (CMWPI) IN NCR

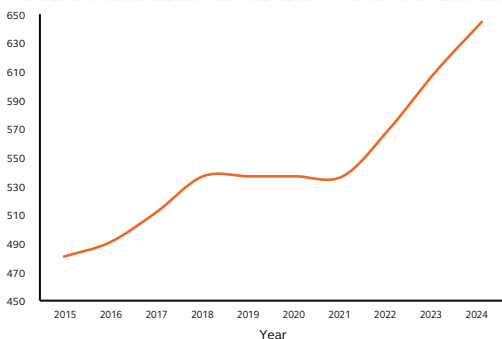
(2012=100)

#### Construction Materials Wholesale Price Index

Annual Average Price Movement (2012 = 100)



COMMODITY GROUP	2017 Ave.	2018 Ave.	2019 Ave.	2020 Ave.	2021 Ave.	2022 Ave.	2023 Ave.	2024 Ave.
<b>ALL ITEMS</b>	<b>109.2</b>	<b>114.3</b>	<b>117.7</b>	<b>119.1</b>	<b>122.9</b>	<b>133.1</b>	<b>140.2</b>	<b>141.70</b>
A. Sand & Gravel	116.7	120.7	131.5	133.8	138.3	145.4	150.2	151.20
B. Concrete Products & Cement	110.4	115.5	120.6	122.3	124.1	132.7	141.5	142.40
C. Hardware	107.7	113.9	115.8	120.4	123.0	130.1	138.0	142.10
D. Plywood	108.6	111.7	113.8	113.3	115.2	121.0	126.2	128.50
E. Lumber	111.9	120.6	127.0	131.8	135.0	141.7	148.0	151.00
F. G.I. Sheet	105.5	107.0	109.8	111.9	118.1	133.9	148.3	152.00
G. Reinforcing & Structural Steel	107.8	115.6	116.0	115.3	121.1	135.7	141.2	142.50
H. Tile Works	110.1	112.9	115.6	133.7	135.8	137.7	139.4	141.30
I. Glass & Glass Products	104.9	104.9	104.9	112.4	127.3	130.5	130.5	130.40
J. Doors, Jambs, & Steel Casement	106.6	109.7	109.9	110.0	111.8	115.9	120.7	123.50
K. Electric Works	109.7	117.0	123.3	125.3	130.4	141.5	150.0	153.30
L. Plumbing Fixtures & Accessories/ Waterworks	117.9	119.4	124.6	125.0	124.0	132.9	137.1	139.20
M. Painting Works	103.9	104.7	104.9	105.7	107.5	115.6	126.6	129.80
N. PVC Pipes	106.4	107.1	109.5	115.8	118.5	125.5	124.5	125.40
O. Fuel & Lubricants	94.6	117.7	120.3	109.9	129.8	169.1	155.4	152.80
P. Asphalt	104.2	104.2	104.2	104.2	104.2	104.2	104.2	104.20
Q. Machinery and Equipment Rental	146.9	146.9	146.9	146.9	146.9	152.9	152.9	152.90

**MINIMUM WAGE****Peso Day**

Year	NCR Wage Order No.	Amount of Increase	Peso per Day
08 January 1991	W.O. No. NCR 2	12.00	118.0
16 December 1993	W.O. No. NCR 3	17.00	135.00
01 April 1994	W.O. No. NCR 3	10.00	145.00
02 February 1996	W.O. No. NCR 4	16.00	161.00
01 May 1996	W.O. No. NCR 4	4.00	165.00
06 February 1997	W.O. No. NCR 5	15.00	180.00
01 May 1997	W.O. No. NCR 5	5.00	185.00
06 February 1998	W.O. No. NCR 6	13.00	198.00
31 October 1999	W.O. No. NCR 7	25.50	223.50
01 November 2000	W.O. No. NCR 8	26.50	250.00
05 November 2001*	W.O. No. NCR 9	15.00	265.00
01 February 2002*	W.O. No. NCR 9	15.00	280.00
10 July 2004*	W.O. No. NCR 10	20.00	300.00
16 June 2005	W.O. No. NCR 11	25.00	325.00
11 July 2006	W.O. No. NCR 12	25.00	350.00
28 August 2007	W.O. No. NCR 13	12.00	362.00
14 June 2008	W.O. No. NCR 14	15.00	377.00
28 August 2008	W.O. No. NCR 14	5.00	382.00
23 June 2010	W.O. No. NCR 15	22.00	404.00
26 May 2011	W.O. No. NCR 16	22.00	426.00
03 June 2012	W.O. No. NCR 17	20.00	446.00
01 November 2012	W.O. No. NCR 17	10.00	456.00
04 October 2013	W.O. No. NCR 18	10.00	466.00
04 April 2015	W.O. No. NCR 19	15.00	481.00
02 June 2016	W.O. No. NCR 20	10.00	491.00
05 October 2017	W.O. No. NCR 21	21.00	512.00
05 November 2018	W.O. No. NCR 22	25.00	537.00
04 June 2022	W.O. No. NCR 23	33.00	570.00
16 July 2023	W.O. No. NCR 24	40.00	610.00
27 June 2024	W.O. No. NCR 25	35.00	645.00

\*Emergency Cost of Living Allowance (ECOLA)

Source: National Wages and Productivity Commission, Department of Labor and Employment



## 2 General Construction Data

### ESTIMATING RULES OF THUMB

Densities of Common Materials			
Concrete	2,400 kg/m <sup>3</sup>	Water	1,000 kg/m <sup>3</sup>
Cement	1,441 kg/m <sup>3</sup>	Softwood	700 kg/m <sup>3</sup>
Sand	1,600 kg/m <sup>3</sup>	Hardwood	1,100 kg/m <sup>3</sup>
Gravel	1,350 kg/m <sup>3</sup>	Aluminum	2,750 kg/m <sup>3</sup>
Steel	7,850 kg/m <sup>3</sup>	Soil (compact)	2,100 kg/m <sup>3</sup>

Concrete		Minimum Recommended Cement Factor Based on Concrete Strength (in bags 40 kg cement)		
		Ordinary Design Mix		Pumpcrete Design Mix
Psi	Mpa	1 1/2"	Gravel Size 3/4"	Gravel Size 3/4"
8,000	55	21	22	23
7,000	48	19	20	21
6,000	41	17	18	19
5,000	35	15	16	17
4,000	28	11.75	12.75	14.5
3,000	21	9	10	11.5

Reinforcement Steel Bar			
Bar Diameter (mm)	Weight/m (kg/m)	Perimeter (mm)	Area (mm <sup>2</sup> )
6	0.222	18.85	28.27
8	0.395	25.13	50.26
10	0.616	31.42	78.54
12	0.888	37.70	113.10
16	1.579	50.27	201.06
20	2.466	62.83	314.16
25	3.854	78.54	490.88
28	4.834	87.96	615.80
32	6.313	100.53	804.25
36	7.990	113.09	1,017.90
40	9.864	125.66	1,256.64

## ESTIMATING RULES OF THUMB

## Structure Design - Concrete Ratios

The following is a range of concrete ratios for building superstructure design in Manila:

Concrete / floor area	0.4 m <sup>3</sup> /m <sup>2</sup>	to	0.55 m <sup>3</sup> /m <sup>2</sup>
Formwork / floor area	2.0 m <sup>2</sup> /m <sup>2</sup>	to	3.0 m <sup>2</sup> /m <sup>2</sup>
Reinforcement	180 kg/m <sup>3</sup>	to	280 kg/m <sup>3</sup>

## Average External Wall/Floor Ratio

Residential Apartments	0.35 m <sup>2</sup> /m <sup>2</sup>
Office, Hotel	0.40 m <sup>2</sup> /m <sup>2</sup>
Industrial	0.40 m <sup>2</sup> /m <sup>2</sup>

## Average Internal Wall/Floor Ratio

Residential Apartments	1.00 m <sup>2</sup> /m <sup>2</sup>
Office	0.50 m <sup>2</sup> /m <sup>2</sup>
Hotel	1.50 m <sup>2</sup> /m <sup>2</sup>

Dimensions for Standard Parking Space,  
Loading/Unloading Bays and Lay-bys

	Length (m)	Width (m)	Headroom (m)
Private Cars	5	2.5	2.4
Taxis and Light Vans	5	2.5	2.4
Coaches and Buses	12	3.0	3.8
Lorries	11	3.5	4.1
Container Vehicles	16	3.5	4.5

Minimum headroom refers to the clearance between the floor and the lower-most projection from the ceiling, including any lighting units, ventilation duct, conduits, or similar items/elements.

The above ratios are indicative and for reference purpose only. They do not account for buildings with special shapes, configurations, or particularly small footprints.

## 2 General Construction Data

### ESTIMATING RULES OF THUMB

Average Loads	
Lorry (24 ton)	10.0 m <sup>3</sup>
Concrete Truck (24 ton)	5.5 m <sup>3</sup>

Functional Area Distribution in 5-star Hotels	
Functional Area	% of Total Hotel CFA
Front of House	15 - 25%
Guestroom Floors	45 - 60%
Back of House	25 - 30%

Dimensions of Typical Grade A Office Space	
Component	Dimension
Distance from curtain wall to core wall	9 - 13%
Population	9 m <sup>2</sup> usable floor area / person
Average waiting interval of lifts	30 - 40s

Average Lighting Level	
Building Type	Lux
Residential	300
Office	500
Retail	500
Hotel	300
School	300 - 500

## ESTIMATING RULES OF THUMB

Average Power Density	
Building Type	VA/m <sup>2</sup> CFA
Residential	80 - 100
Office	70
Retail	300 - 400
Hotel - Accomodation	30
Hotel - F&B Area	550
School	50

Average Cooling Load	
Building Type	m <sup>2</sup> Cooling Area/RT
Residential	18 - 23
Office	14 - 18
Retail	12 - 14
Hotel	23
School	23

Indicative Dimensions for Sports Grounds		
Building Type	Length	Width
Tennis Court	40 m	20 m
Squash Court	10 m	6.4 m
Basketball Court	34 m	20 m
Volleyball Court	36 m	20 m
Badminton Court	20 m	10 m
Ice Rink	61 m	26 m
Soccer Pitch	120 m	90 m

The above dimensions are for a single court with appropriate clearance.  
No spectator seating or support area has been allowed.

## 2 General Construction Data

### ESTIMATED EMBODIED CARBON FOR COMMONLY USED CONSTRUCTION MATERIALS

Description	Unit of Measurement	Embodied Carbon EC - kgCO <sub>2</sub> e
<b>Concrete</b>		
3,000 psi	m <sup>3</sup>	222.46
5,000 psi	m <sup>3</sup>	297.93
6,000 psi	m <sup>3</sup>	328.83
7,000 psi	m <sup>3</sup>	368.44
8,000 psi	m <sup>3</sup>	421.08
9,000 psi	m <sup>3</sup>	473.71
10,000 psi	m <sup>3</sup>	526.34
12,000 psi	m <sup>3</sup>	631.61
<b>Reinforcement Steel Bar</b>		
Grade 40	kg	1.99
Grade 60	kg	1.99
Grade 75	kg	1.99
<b>Structural Steel</b>	kg	2.76
<b>Concrete Formworks</b>	m <sup>2</sup>	0.681
<b>CHB Wall</b>		
100mm thick	m <sup>2</sup>	30.48
150mm thick	m <sup>2</sup>	48.59
<b>Mortar Topping (Cement and Sand)</b>	m <sup>2</sup>	8.82
<b>Plaster / Render (Cement and Sand)</b>	m <sup>2</sup>	7.19
<b>Drywall</b>		
Gypsum Board	m <sup>2</sup>	49.64
<b>Painting</b>		
Latex	m <sup>2</sup>	2.12
Elastomeric	m <sup>2</sup>	2.12
Enamel	m <sup>2</sup>	3.13

## ESTIMATED EMBODIED CARBON FOR COMMONLY USED CONSTRUCTION MATERIALS

Description	Unit of Measurement	Embodied Carbon EC - kgCO <sub>2</sub> e
<b>Suspended Ceiling</b>		
Gypsum Board	m <sup>2</sup>	47.36
Ficem Board	m <sup>2</sup>	50.41
<b>Glass</b>		
IGU Curtain Wall on aluminum framing; 6x12x6mm	m <sup>2</sup>	825.24
<b>Waterproofing</b>		
Cementitious Capillary	m <sup>2</sup>	1.51
Polyurethane	m <sup>2</sup>	6.02
<b>Metal Works</b>		
Stair Nosing (1.8 x 14.7 x 33mm)		
- Brass	m	0.73
- Aluminum	m	1.16
Column Guards (angle bar)	m	32.98
Fire Exit Stair Railings (tubular steel)	m	59.27
<b>Finishes including installation material</b>		
Carpet Tiles	m <sup>2</sup>	8.82
Ceramic Tiles	m <sup>2</sup>	18.41
Porcelain Tiles	m <sup>2</sup>	8.4
Marble	m <sup>2</sup>	8.56
Granite	m <sup>2</sup>	21.12
<b>Pipes and Conduits</b>		
Polyvinyl chloride (PVC) pipe series 1000		
- 50mm diameter	m	2.33
- 100mm diameter	m	6.1

## 2 General Construction Data

### ESTIMATED EMBODIED CARBON FOR COMMONLY USED CONSTRUCTION MATERIALS

Description	Unit of Measurement	Embodied Carbon EC - kgCO <sub>2</sub> e
<b>Pipes and Conduits</b>		
Black iron (BI) pipe schedule 40		
- 25mm diameter	m	6.95
- 50mm diameter	m	15.1
- 100mm diameter	m	44.65
Galvanized iron (GI) pipe schedule 40		
- 25mm diameter	m	7.58
- 50mm diameter	m	16.45
- 100mm diameter	m	48.66
High density polyethylene (HDPE) pipe SDR 21		
- 50mm diameter	m	3.18
- 100mm diameter	m	15.65
Polyvinyl chloride (PVC) conduit		
- 25mm diameter	m	2.87
- 50mm diameter	m	6.4
- 100mm diameter	m	23.93
Intermediate metallic conduit (IMC)		
- 25mm diameter	m	5.36
- 50mm diameter	m	11.53
- 100mm diameter	m	31.54
Electrical metallic tubing (EMT)		
- 25mm diameter	m	2.12
- 50mm diameter	m	4.69
- 100mm diameter	m	12.44

## ESTIMATED EMBODIED CARBON FOR COMMONLY USED CONSTRUCTION MATERIALS

Description	Unit of Measurement	Embodied Carbon EC - kgCO <sub>2</sub> e
<b>Wires</b>		
Thermoplastic High Heat-resistant Nylon-coated wire (THHN)		
- 3.5 mm <sup>2</sup>	m	0.15
- 5.5 mm <sup>2</sup>	m	0.24
- 8.0 mm <sup>2</sup>	m	0.42
- 14.0 mm <sup>2</sup>	m	0.59
- 22.0 mm <sup>2</sup>	m	0.93

Reference: Inventory of Carbon Energy (ICE Database)



## 2 General Construction Data

### UTILITY COSTS FOR SELECTED ASIAN CITIES

COUNTRY	Exchange Rate Used	ELECTRICITY	
		Domestic	Commercial/Industrial
	USD=	USD/kwh	USD/kwh
Manila	PHP 58.014	0.210-0.227	0.25
Hong Kong	HK\$7.78	0.120	0.14
Singapore	S\$1.36	0.21^	0.21^
Kuala Lumpur	MYR 4.48	0.049-0.127	0.085-0.114
Bangkok	BAHT 33.9650	0.069-0.130**	0.091-0.093
Macau	MOP 8.00	0.18	0.18
Jakarta	IDR 15,820	0.085-0.107	0.063-0.107
Bangalore	INR 85.043	0.11-0.145	0.132-0.196
New Delhi	INR 85.043	Up to 0.142	0.25
Ho Chi Minh	VND 25,498	0.138	0.108 / 0.075
Shanghai	RMB 7.30	0.042-0.134	4.660 (Basic Tariff) 0.081 (summer) 0.076 (non-summer)
Beijing	RMB 7.30	0.059-0.097	0.167-0.169 (Peak) /0.104-0.106 (normal)
Guangzhou	RMB 7.30	0.081-0.121	0.040-0.252
Chongqing	RMB 7.20	0.072-0.112	0.089-0.205

Cost are at 4th Quarter 2024 Levels.

#### Basis of Charges in Manila, Philippines

##### Water

Domestic: 14m<sup>3</sup> to 19m<sup>3</sup>

Commercial/Industrial: 4m<sup>3</sup>

##### Electricity

Domestic: 72kWh - 469kWh

Commercial/Industrial: 10,995kWh

#### Basis of Charges in Hong Kong, China

##### Water (Water Supplies Department/WSD)

Domestic

0-12m<sup>3</sup> : Free of Charge

12-43m<sup>3</sup> : USD0.53/m<sup>3</sup>

43-62m<sup>3</sup> : USD0.83/m<sup>3</sup>

Above 62m<sup>3</sup> : USD1.16/m<sup>3</sup>

Non Domestic

For trade USD0.59/ m<sup>3</sup>

For construction USD4.58/m<sup>3</sup>

##### Electricity

Domestic (CLP Tariff Scheme)

0-400 kWh: USD0.12/KWh

400-1,000 kWh: USD0.13/KWh

1,000-1,800 kWh: USD0.15/KWh

1,800-2,600 kWh: USD0.19/KWh

2,600-3,400 kWh: USD0.22/KWh

Non Domestic (CLP Tariff Scheme)

Above 4,200 kWh : USD0.24/KWh

Non-Residential: USD0.14/KWh

#### Basis of Charges in Singapore

\* All rates are nett of GST

^ Electricity tariff is based on low-tension power supply

^^ Domestic water tariff effective from 1 July 2018. Rate includes water conservation tax, water-borne fee,

sanitary appliance fee and is an average for ≤ 40m<sup>3</sup>

^^^ Domestic water tariff effective from 1 July 2018. Rate includes water conservation tax, water-borne fee,

sanitary appliance fee and is an average for > 40m<sup>3</sup>

^^^^ Non-domestic water tariff effective from 1 July 2018. Rate includes water conservation tax, water-borne

fee and sanitary appliance fee

^^^^^ As of 27 October 2021

^^^^^^ 98 Unleaded petrol as of 27 October 2021

The data for Singapore is provided by *Asia Infrastructure Solutions Singapore Pte Ltd.*

#### Basis of Charges in Kuala Lumpur, Malaysia

##### Electricity

Commercial/Industrial: Low voltage

##### Unleaded Fuel

Fuel: Rates for 12 - 18 Dec 2024. Unleaded = Petrol Ron 95

The data for Kuala Lumpur is provided by *JUBM Group*.

#### Basis of Charges in Bangkok, Thailand

**\*\*Electricity** (Domestic) = For normal tariff with consumption not exceeding 150kWh per month

**\*Fuel** (Unleaded) = Gasohol 95

The data for Bangkok is provided by *Mentabuild Limited*.

#### Basis of Charges in Macau, China

##### Electricity

Electricity tariffs are a composition of demand charges, consumption charges, fuel clause adjustment, and government tax.

##### Water

**Domestic:** Consumption charge = USD0.56/m<sup>3</sup> for 28m<sup>3</sup> or below; USD0.64/m<sup>3</sup> for 29m<sup>3</sup> to 60m<sup>3</sup>; USD0.75/m<sup>3</sup> for 61m<sup>3</sup> to 79m<sup>3</sup>; and USD0.90/m<sup>3</sup> for 80m<sup>3</sup> or above. Other charges (Depending on meter size 15mm to 200mm) :

Meter rental = USD0.34 - 57.64/month;

UTILITY COSTS FOR SELECTED  
ASIAN CITIES

WATER		FUEL		
Domestic	Commercial/ Industrial	Diesel	Leaded	Unleaded
USD/m <sup>3</sup>	USD/m <sup>3</sup>	USD/litre	USD/litre	USD/litre
0.501 - 0.519	2.69	1.029	N/A	1.201
0.830	0.590	3.210	N/A	3.330
"2.16^^ 2.90^^^"	2.16^^	1.91^^^^	N/A	2.63^^^^^^
0.145 - 0.587	0.603 - 0.656	0.658	N/A	0.458
0.300 - 0.624	0.500 - 0.956	0.971	N/A	1.3201*
0.56-0.91	0.760	1.990	N/A	1.820
0.066 - 0.471	0.431 - 2.465	1.195	N/A	0.765
0.84-0.12	1.950	1.053	N/A	1.065
0.11-0.89	0.75-3.1	1.047	N/A	1.058
0.289	0.919 / 0.522	0.731	NA	0.777
0.472-0.799	0.681	0.968	N/A	1.079
0.609-1.097	1.097-1.156	0.978	N/A	1.085
0.271-0.542	0.474	0.973	N/A	1.107
0.414-0.879	0.600	0.970	N/A	1.085

Cost are at 4th Quarter 2024 Levels.

**Commercial/Industrial:** Charges for ordinary users (e.g Business, government buildings, schools, associations, hospitals and others) only.

Special users (e.g., gaming industries, hotels, saunas, golf courses, construction, public infrastructure, and other temporary consumption) are excluded.

Basis of Charges in Bangalore and New Delhi

The data for Bangalore is provided by *Arkind LS Private Limited*

Basis of Charges in Ho Chi Minh, Vietnam

All rates are VAT inclusive  
Rate for domestic electricity is for level 5 (301 + 400 Kwh per month)  
Rate for industrial electricity is for voltage 22 + 110 kV at normal time.  
Rate for commercial electricity is for voltage 22 kV & above at normal time.  
Rate for domestic water is for level up to 4 m<sup>3</sup>/person/month

Basis of Charges in Guangzhou, China

**Fuel**  
▣ Unleaded gasoline 92#  
\* Unleaded 95# = USD1.283/litre; Unleaded 98# = USD1.461/litre

Basis of Charges in Shanghai, China

**Unleaded Fuel**  
Unleaded 95

Basis of Charges in Chongqing, China

**Unleaded Fuel**  
Unleaded 95

## 2 General Construction Data

### LEAD TIME OF DIFFERENT PACKAGES

Packages	Progress Code* (in weeks)			
	A	B	C	D
Insitu concrete works	1	1	2	-
Structural steel frames	4	2	-	5
Cladding-curtain walling	10	2	-	14
Brickwork	1	1	2	-
Roof finishes - profiled metal	3	1	4	4
Windows	2	1	3	6
Drylining plaster and screeds	1	1	1	-
Demountable partitions	2	1	8	8
General joinery	4	2	3	6
Raised floors	2	1	3	3
Suspended ceilings	2	2	2	4
Decorations (wall coverings)	-	3 to 4	2 to 4	-
Stone wall and floor finishes	3	2	4	5
Passenger lifts (non-standard)	8	3	-	27
Escalators	4	2	-	18
Mechanical pipework	4	2	1	1
Ductwork	4	2	4	3
Sprinklers	6	2	3	3
Air conditioning plant	2	2	3	6
Variable air-volume unit	1	1	3	6
Electrical package	6	3	-	-
Electrical - panel box	2	2	-	10
Switchgear	2	2	-	10
Generators (600kw)	4	2	-	13
Light fittings	1	1	6	2
Security systems	3	3	4	-

## CONSTRUCTION COST HANDBOOK PHILIPPINES 2025

Packages	Progress Code* (in weeks)			
	A	B	C	D
Controls	4	3	3	-
Furniture	2	2	4	8
Data and voice cabling	3	2	-	-
Stones	-	-	4 to 8	-
Countertops (natural)	2	1	4	4
Countertops (synthetic)	2	1	2	4
Decorative glass	2	2	4	4
Specialty water feature	2 to 4	2	4	4 to 6
Specialty light diffuser: stretched fabric	2	2	2 to 3	2 to 4
Toilet fixtures	-	-	-	6 to 8
Glass reinforced gypsum	3	2	6	6
Digital elements (screens, software, etc)	2	2	12	8
Fire suppression	2	1	2	2 to 4
Special lightings	-	-	2 to 8	-

### Legend

- A - Working Drawing
- B - Approve Working Drawing
- C - Procurement of Materials
- D - Manufacture

The lead times provided are intended to serve as a general guide for use in projects. Variability in factors such as local customs processing, clearance, material availability, and other unforeseen circumstances may affect these timelines.

Additionally, the lead times are not specific to any particular building or project type and are based on average estimations.

For example:

Air conditioning plant may require between six and twelve weeks, depending on the plant specified or required. Therefore, an average of nine weeks has been used in the table.

## 2 General Construction Data

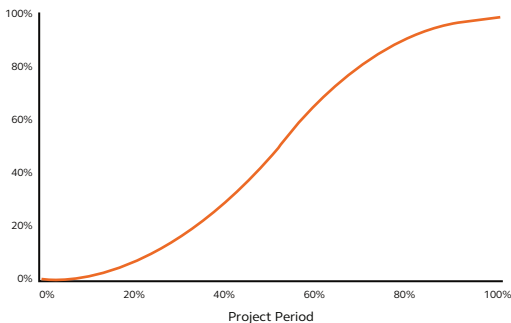
### PROGRESS PAYMENTS

The following graph and table are indications of the rate of expenditure for construction projects.

The rate of expenditure is an average value and will vary from project to project, depending on the specific circumstances of each project.

No account has been made for down payments or retention.

Progress Claims



# CONSTRUCTION COST HANDBOOK PHILIPPINES 2025

Contract Period	Cumulative Progress Claims
5%	1%
10%	3%
15%	5%
20%	7%
25%	10%
30%	14%
35%	21%
40%	29%
45%	38%
50%	48%
55%	59%
60%	68%
65%	77%
70%	83%
75%	88%
80%	92%
85%	94%
90%	96%
95%	98%
100%	100%

## 2 General Construction Data

### TENDER PRICE INDEX

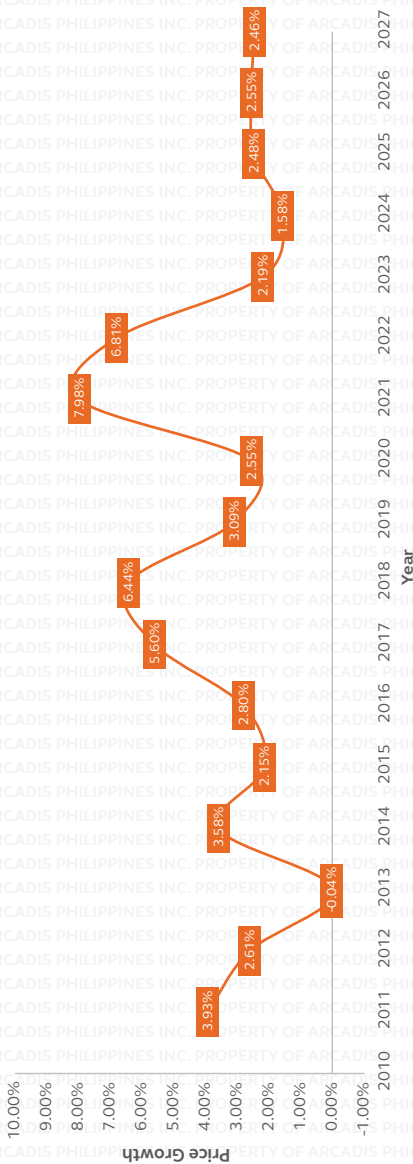
Year	Tender Price Index
2010	100.00
2011	103.93
2012	106.64
2013	106.60
2014	110.42
2015	112.79
2016	115.95
2017	122.44
2018	130.32
2019	134.35
2020	137.77
2021	148.76
2022	158.89
2023	162.37
2024	164.93
2025	169.02
2026	173.33
2027	177.59

This tender price index data does not account for the construction fluctuations, such as changes in the prices of plant and equipment, materials, and labor, from the tender date up to the mid-point of the construction period. It is estimated that construction fluctuations would approximately be at 3%- 5% per annum.

The computation is based on a priced bill of quantities, which includes Civil, Structural, Architectural, and Mechanical, Electrical, Plumbing, and Fire Protection (MEPF) services.

An exponential smoothing algorithm was used to forecast data for the years 2025 to 2027.

# TENDER PRICE INDEX





## 2 General Construction Data

### LEED CERTIFICATION COST PREMIUM

#### Why LEED?

LEED, established by the U.S. Green Building Council, is a well-known global system for certifying green buildings. It was created to encourage sustainable practices in designing, constructing, and operating buildings, aiming to reduce environmental impact and improve the health and productivity of occupants.

#### What is LEED in essence?

LEED is a rating system that gives 'credits' for implementing sustainability measures in areas like Integrative Process, Location and Transportation, Sustainable Sites, Water Efficiency, Energy and Atmosphere, Materials and Resources, Indoor Environmental Quality, and Innovation in Design. These credits add up to a score that determines one of four certification levels: Certified, Silver, Gold, or Platinum.

#### Benefits of LEED Certification:

- Increases building value
- Reduces liability
- Improves employee relationships
- Lowers energy and water usage
- Enhances indoor air quality
- Reduces maintenance and operation costs
- Encourages innovation and optimization of building performance
- Decreases construction waste
- Attracts companies with sustainable goals
- Reduces 'sick building' syndrome
- Boosts employee performance
- Promotes the use of recycled materials

## LEED CERTIFICATION COST PREMIUM

### Levels of Certification

- LEED Certified: 40–49 points
- LEED Silver: 50–59 points
- LEED Gold: 60–79 points
- LEED Platinum: 80–110 points



40–49 points



50–59 points



60–79 points



80–110 points

Source: USGBC

## 2 General Construction Data

### LEED FOR BUILDING DESIGN AND CONSTRUCTION (LEED BD+C)

This rating system is applicable to buildings that are being newly constructed or going through a significant renovation. It encompasses various building types, including but not limited to commercial, residential, education, and healthcare buildings.

LEED BD+C rating system caters to a wide range of building types. Here's a breakdown:

#### **New Construction (NC)**

(For High-rise Residential and Owner-Operated Offices, with at least 60% being used)

This category is meant for projects building new structures or making big changes to existing ones. This could include major updates to the heating and cooling system, big changes to the outside of the building, or major work on the inside.

#### **Core and Shell (CS)**

(Office Buildings, Retail Spaces, and Shopping Centers that are leased or owner-operated less than 60%)

This category is for projects where the developer takes care of the main parts of the building like heating, cooling, plumbing, and safety systems, known as the core and shell. But they don't handle the specific design and building work for the areas rented out to tenants.

#### **Data Centers**

Designed with the special purpose of supporting high-density computing equipment like server racks, which are used for storing and handling data.

#### **Healthcare**

(General Hospitals)

Designed for hospitals that are open 24 hours a day, 7 days a week, and offer in-patient medical services, including both immediate and ongoing care.

#### **Hospitality**

(Hotels, Serviced Apartments)

Focused on establishments like hotels, motels, inns, or other service industry businesses that offer temporary or short-term accommodation, with or without food options.

## LEED FOR BUILDING DESIGN AND CONSTRUCTION (LEED BD+C)

### Retail

(Owner-Operated Retail, at Least 60% Occupied)

This category is for different kinds of retailers, such as banks, restaurants, clothing stores, electronics shops, big-box stores, and anything else you might find in between.

### Schools

(Primary Schools, Secondary Schools, Tertiary Schools, Universities)

This category is all about the special needs of K-12 schools, focusing on things like how classrooms sound, keeping kids healthy, and making sure there are good learning opportunities.

### Warehouse and Distribution Centers

(Warehouses, Cold Stores)

This category is for places that are used to store things like goods, products, merchandise, raw materials, or even personal stuff, like what you might find in self-storage units.

## 2 General Construction Data

### LEED FOR INTERIOR DESIGN AND CONSTRUCTION (LEED ID+C)

This rating system provides the opportunity for project teams, who might not have control over entire building operations, to create indoor spaces that are more beneficial for both the environment and the occupants.

#### **Commercial Interiors (CI)** (Office Fit-out)

Commercial Interiors is designed for projects completing an interior fit-out.

#### **Retail** (Retail Fit-out)

Designed for interior spaces that will be used to conduct retail sales of consumer product goods, including both direct customer service areas (showroom) and preparation or storage areas that support customer service.

#### **Hospitality** (Hotels and Serviced Apartments Fit-out)

Designed for interior spaces dedicated to hotels, motels, inns, or other businesses within the service industry that provide transitional or short-term lodging with or without food.

## LEED FOR BUILDING OPERATIONS AND MAINTENANCE (O+M)

LEED for Operations and Maintenance (O+M) gives existing buildings a chance to focus on how they're run. It's aimed at whole buildings and interior spaces that have been fully functional and occupied for at least a year. This category can apply to projects that are undergoing improvements or those that require little to no construction.

### Existing Interiors

Existing interior spaces that are contained within a portion of an existing building. Interior spaces may serve commercial, retail, or hospitality purposes.

### Existing Buildings

Existing whole buildings.

## 2 General Construction Data

### LEED FOR HOMES

A home is more than a place to stay; it's where our life happens. LEED-certified homes save energy, use fewer resources, and are better for you and your family's health.

#### Homes

For residential projects with one to three stories

#### Multi-family midrise

For residential projects with four to eight stories

### LEED FOR NEIGHBORHOOD DEVELOPMENT (ND)

For projects that involve developing new land or redeveloping existing spaces for residential, nonresidential, or mixed-use purposes. These projects can be anywhere from the initial planning phase to the construction stage.

#### Plan

Your neighborhood-scale project can be certified if it's in any stage from planning and design to being 75% constructed. This certification is crafted to assist in marketing your project and securing funds, showcasing your commitment to sustainability to potential tenants, financiers, public officials, and others.

#### Built Project

Designed for neighborhood-scale projects that are near completion or were completed within the last three years.

## OVERALL COST TIERS

Certification Level	New Construction	Core & Shell
LEED Certified to Silver	3.49 – 4.28%	3.08 – 4.28%
LEED Gold to Platinum	5.75 – 7.65%	5.36 – 6.60%

The cost tiers for achieving LEED certification, from Certified to Silver, Gold, and Platinum, give a rough idea of the associated cost percentages. However, it's important to note that these figures aren't definitive for all projects. The variation comes from factors like project aesthetics, Gross Floor Area (GFA) requirements, geographic location, brand preferences, procurement methods, and other variables that affect the overall LEED cost premium. Consultants typically focus their value engineering efforts on selecting equipment based on technical specifications, without extending to brand selection.



## 2 General Construction Data

REQUIREMENTS BEFORE CONSTRUCTION	PURPOSE	LOCATIONS REQUIRED TO SECURE	WHERE TO SECURE	REQUIREMENTS	TIMELINE
1. Zoning Certificate	To ensure compatibility or conformity of the project with the existing Land Use Plan of the city or municipality	All Areas	LGU - Office of the Municipal / City Planning and Development	<ul style="list-style-type: none"> <li>Request Letter</li> <li>Barangay Clearance</li> <li>Proof of Land Ownership</li> <li>Site Development Plan</li> </ul>	1 month
2. Barangay Clearance	Prerequisite for applying permits to cover the business or activity conducted by a particular firm or entity is located in that barangay	All Areas	LGU - Barangay Hall or Municipal Office	<ul style="list-style-type: none"> <li>Request Letter</li> <li>Signed and Sealed Architectural Plans</li> </ul>	1 month
3. Civil Aviation Authority of the Philippines (CAAP) Permit	To check or limit the height of the structure located on the flight path of the airport.	Areas within the flight path of the airport; coordinate with CAAP Central Office or email to <a href="mailto:osd@caap.gov.ph">osd@caap.gov.ph</a>	Civil Aviation Authority of the Philippines	<ul style="list-style-type: none"> <li>Duly signed application form</li> <li>Signed and sealed elevation plans</li> <li>Locational plan with vicinity map</li> <li>Certification of Geodetic Engineer</li> <li>Geodetic Coordinates (WGS 84 Datum)</li> <li>Copy of Reference Elevation from NAMRIA</li> <li>Copy of Horizontal Control Reference using WGS 84</li> </ul>	2 months

# CONSTRUCTION COST HANDBOOK PHILIPPINES 2025

4. Environmental Compliance Certificate	To ensure that the proposed project will not cause a significant impact on the environment	All Areas	Department of Environment and Natural Resources (DENR), in coordination with other government agencies that is directly responsible to the type of the proposed project	<ul style="list-style-type: none"> <li>Initial Environmental Examination (IEE)</li> <li>Environmental Impact Assessment (EIA)</li> </ul>	5 months for IEE 9 months for EIA
5. Location Clearance	To ensure compliance with the local zoning ordinance	All Areas	LGU - Office of the Municipal / City Planning and Development	<ul style="list-style-type: none"> <li>Duly accomplished and notarized application form</li> <li>Signed and sealed architectural plans</li> <li>Lot plan and vicinity plan</li> <li>Professional consultant details and supporting credentials (PRC ID and PTR)</li> <li>CTC of TCT</li> <li>Consent from immediate neighbours</li> <li>Barangay Clearance,</li> <li>MOA / SPA / Affidavit / Authorization</li> <li>Certification from PHIVOCs</li> <li>Height Clearance form CAAP</li> <li>Photo of establishment</li> <li>Tax Declaration</li> <li>Latest Tax Receipt</li> <li>ECC from DENR</li> </ul>	2 months

## 2 General Construction Data

### CONSTRUCTION PERMITS

REQUIREMENTS BEFORE CONSTRUCTION	PURPOSE	LOCATIONS REQUIRED TO SECURE	WHERE TO SECURE	REQUIREMENTS	TIMELINE
6. Laguna Lake Development Authority (LLDA) Clearance	To ensure that the proposed project will not cause significant impact on the Laguna Lake	Rizal, Laguna, Selected City or Municipalities in Metro Manila, Cavite and Batangas	Laguna Lake Development Authority	<ul style="list-style-type: none"> <li>Duly accomplished and notarized application form</li> <li>ECC or Certificate of Non Coverage</li> <li>SEC-approved Articles of Incorporation including GIS or; Articles of Cooperative duly approved by CDA or;</li> <li>Valid Certificate of Business Registration from DTI, IEE, EIA</li> </ul>	1 month
7. Fire Safety Evaluation Clearance	To ensure the compliance for codes, standards, and minimum requirement for buildings.	All Areas	Bureau of Fire Protection	<ul style="list-style-type: none"> <li>Duly accomplished and notarized application form</li> <li>Endorsement Letter from Office of Building Official or Building Permit Certification</li> <li>Signed and Sealed Plans (CSA, MEPF, Electronics)</li> <li>Professional consultant details and supporting credentials (PRC ID and PTR)</li> <li>Cost estimate of the building including labor cost signed and sealed by the designer or contractor duly notarized</li> <li>Fire Safety Clearance for welding, cutting and other hot work operations, if required</li> </ul>	3 months

# CONSTRUCTION COST HANDBOOK PHILIPPINES 2025

8. Building Permit (Building, Mechanical, Electrical, Electronics, Sanitary / Plumbing)	To ensure the compliance for codes, standards, and minimum requirements for buildings.	All Areas	LGU - Office of the Building Official	<ul style="list-style-type: none"> <li>Duly accomplished and notarized application form (Signed and Sealed by Consultants, Proponent and Lot Owner)</li> <li>Signed and Sealed CSA, MEPP and Electronics Plans and Technical Specifications</li> <li>Professional consultant details and supporting credentials (PRC ID and PTR)</li> <li>Proof of Land Ownership</li> </ul>	3 months
9. Fencing Permit and Excavation, Ground Preparation Permit	To ensure the compliance for codes, standards, and minimum requirement for buildings.	All Areas	LGU - Office of the Building Official	<ul style="list-style-type: none"> <li>Duly accomplished and notarized application form (Signed and Sealed by Consultants Proponent and Lot Owner)</li> <li>Signed and Sealed CSA, MEPP and Electronics Plans and Technical Specifications</li> <li>Professional consultant details and supporting credentials (PRC ID and PTR)</li> <li>Proof of Land Ownership</li> </ul>	3 months

## Note on Timeline:

- The Zoning Certificate, Barangay Clearance, CAAP Permit, ECC, Locational Clearance, LLDA Clearance, and Fire Safety Evaluation Clearance are to be secured consecutively as a requirement for the Building Permit. For large scale constructions, the approximate timeline in securing the permits is 13 months to 18 months. For small scale constructions, it is no longer than 12 months.

## 2 General Construction Data

### Abbreviations:

- **LGU** - Local Government Unit
- **NAMRIA** - National Mapping and Resource Information Authority
- **WGS** - World Geodetic System
- **PRC** - Professional Regulations Commission
- **PTR** - Professional Tax Receipts
- **CTC** - Certified True Copy
- **TCT** - Transfer of Certificate of Title
- **MOA** - Memorandum of Agreement
- **SPA** - Special Power of Attorney
- **SEC** - Securities and Exchange Commission
- **GIS** - General Information Sheet
- **CDA** - Cooperative Development Authority
- **DTI** - Department of Trade and Industry
- **CSA** - Civil, Structural, and Architectural
- **MEPF** - Mechanical, Electrical, Plumbing, and Fire Protection

### Proof of Land Ownership:

- Certified True Copy of Land Title
- Certificate of Transfer
- SEC Amendment
- Lease Contract

### References:

- Local Government Units
- Civil Aviation Authority of the Philippines
- Department of Environment and Natural Resources
- Laguna Lake Development Authority
- Bureau of Fire Protection







*Lincoln Tower at IPI Center  
Developer: Rockwell IPI Development Corporation  
Architect: Pimentel Rodriguez Simbulan & Partners*

# 3 PROPERTY

General Overview

Commercial Sector

Residential Condominium Sector

Hotels and Serviced Apartments Sector

Retail Sector

Industrial Sector



## 3 Construction market update

### ECONOMIC INDUSTRY PROPERTY COMMENTARY

#### In General

The Philippines' GDP growth for 4Q 2024 fell short of expectations, registering a year-over-year (YoY) increase of 5.23%. This figure is slightly lower than the 5.24% YoY growth recorded in the previous quarter and the 5.53% YoY growth observed in the same period last year. Consequently, the full-year GDP growth rate for 2024 stands at 5.6%, marginally higher than the 5.5% recorded in 2023 but below the government's target range of 6%-6.5%. The annual contraction is particularly evident in consumer spending, which decelerated to 4.8% in 2024 from 5.6% in 2023.

In its recent monetary policy meeting, the Bangko Sentral ng Pilipinas (BSP) decided to maintain the benchmark interest rate at 5.75%. This decision was influenced by uncertainties surrounding the global inflation outlook and significant shifts in U.S. trade policy. The BSP anticipates that the risks to the inflation outlook will be balanced for 2025 and 2026, with potential upward pressures from the utilities sector and downward pressures from reduced import tariffs on rice, which could alleviate food price inflation. Growth prospects are expected to be influenced by international trade policies, particularly the tariff impositions under the new Trump presidency.

As a consumption-driven economy, the Philippines faces headwinds from elevated global inflation rates, which have shifted consumer spending patterns towards essential goods and away from discretionary items. This shift has strained the growth of retail sales, which have yet to fully recover from the pandemic. Despite the short-term challenges in global consumer demand, international retailers continue to expand in the Philippines, attracted by its large and diverse consumer market.

In the hospitality sector, recovery outside Metro Manila remains uneven, driven by the untapped potential of various tourist destinations in the Philippines. This disparity is largely due to certain areas not yet reaching their full tourism potential, leaving room for growth and development. Additionally, there is a noticeable shift in focus towards quality over affordability, as evidenced by the expansion of branded operators in key locations. These premium establishments command significantly higher rates compared to local and existing developments.

The global manufacturing industry's subdued outlook, characterized by slow growth in output and productivity, limits the potential for robust growth in industrial real estate. Nonetheless, demand for sorting facilities and distribution centers remains high, fueled by the rapid expansion of e-commerce activities. Moreover, there is a growing trend in the establishment of data centers, with many large companies looking to expand in the Philippines due to population growth and increased digitalization. The need for cloud storage remains largely unmet, presenting further opportunities for growth in this sector.

### **Commercial Sector**

By the end of 2024, the consolidated office stock for Prime and Grade 'A' developments in Metro Manila reached approximately 9.7 million square meters. The total stock of these office spaces increased by around 0.23 million square meters in 2024, representing roughly 45% of the total projected completions for the year. Taguig City, which includes major business districts such as Bonifacio Global City, McKinley Hill, McKinley West, and ARCA South, accounts for approximately 28% of the total Prime and Grade 'A' stock. Makati City, encompassing the Makati Central Business District (CBD) and its fringe areas, holds about 19%, while Pasig City and Quezon City each capture 15% of the total Prime and Grade 'A' stock.

### 3 Construction market update

Net absorption figures for 2024 were recorded at roughly 116,000 square meters, marking a significant slowdown from the previous year's net absorption. Despite a recovery in demand from the IT-BPM sector, the completion of new supply and the return of space due to the total ban on Offshore Gaming Operators are likely to push vacancy rates upwards in 2025.

Conversely, the average net rents in Prime and Grade 'A' developments in Metro Manila declined by 1.6% quarter-on-quarter and 3.2% year-on-year (YoY). These downward adjustments were primarily due to the softening of asking rents in decentralized markets, which experienced high vacancy rates. In contrast, average rents in the main CBDs, particularly Makati CBD and Bonifacio Global City (BGC), remained steady.

Cushman & Wakefield Research forecasts that the average net rents of Prime and Grade 'A' developments in Metro Manila will recover within the range of PHP 1,000 to PHP 1,100 per square meter per month through 2025. While the average net rents for developments within the main CBDs are likely to remain unchanged, those for developments outside the main CBDs are expected to recover as the expansion plans of IT-BPM companies continue to be revived.

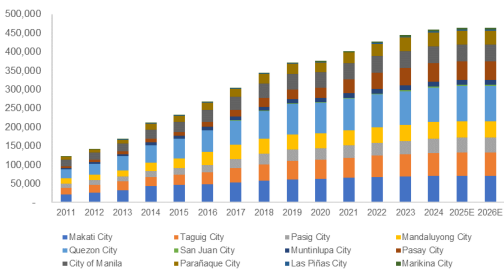
#### **Residential Condominium Sector**

By end-2024, the total supply of completed residential condominium units in Metro Manila reached approximately 450,000 units. Majority of the existing developments are located in Quezon City (20%), followed by Makati City (16%) and Taguig City (14%). Within the next four (4) years, there are around 45,000 units that are expected to be completed. There are more than 15,000 residential condominium units that will be completed across the cities of Taguig, Pasig, Mandaluyong, Muntinlupa and Pasay.

Average monthly rents of both mid-end and luxury residential condominium developments in Metro Manila have marginally increased in 2024 and will continue to exhibit marginal growth rate in 2025. The estimated range of rental rates within Metro Manila is within PHP 500 to PHP 1,200 per sqm per month. Rental rates in Makati CBD and BGC are estimated to be in the higher end of the range between PHP 750 to PHP 1,600 per sqm per month.

The annual average completion rate for residential condominiums over the last decade has been 25,000 units, down from 35,000 units pre-pandemic. In 2024, completions breached 10,000 units, after averaging 6,500 units from 2000-2023. Metro Manila has approximately 450,000 mid-end and high-end residential units, with around 8% unsold. Outside Metro Manila, there are about 250,000 completed units, where unsold inventory is lower at around 5%.

**Figure 1. Total Number of Residential Condominium Units in Metro Manila (2011-2026E)**



Source: Cushman & Wakefield Research

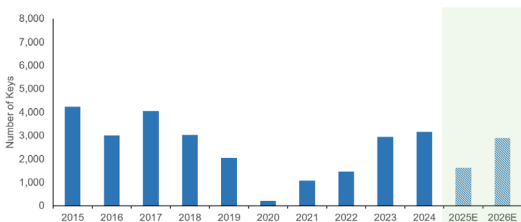
## 3 Construction market update

### Hotels and Serviced Apartments Sector

As of 2024, the market currently holds approximately 50,250 keys for mid-end and high-end hotel and serviced residence stock. The year 2024 saw the completion of around 3,150 keys, surpassing the number of new completions in the previous year, which was at 2,950 keys. This growth reflects a positive trend in the hospitality sector, driven by increasing demand and investment.

For the year 2025, an additional 1,600 keys are expected to be completed. Of these, 51% will be located in Quezon City, 20% in Makati City, 19% in Pasay City, and 10% in Taguig City, highlighting the ongoing expansion and development in key urban areas, catering to both local and international visitors.

**Figure 2. Number of New Hotels and Serviced Residences in Metro Manila (2014-2025E)**



Source: Cushman & Wakefield Research

The Department of Tourism (DOT) reported that international visitors to the Philippines increased by 9.15% in 2024, reaching 5,949,350. Of these, 91.42% were foreign tourists, and 8.58% were Filipinos living abroad. However, the agency still missed to achieved target of 7.7 million foreign tourist arrivals for the year.

Meanwhile, the country's share of foreign visitor arrivals among key ASEAN markets has decreased to 5.2% as of November 2024, down from 5.9% in 2023 and 6.5% in 2019, before the pandemic. In 2019, arrivals from China accounted for 21.1% of total foreign visitor arrivals, making it the second-largest source of foreign tourists after South Korea. By 2024, the share of Chinese visitors had significantly dropped to 5.25%, reflecting a gradual decline from 4.84% in 2023.

This shift can be attributed to Chinese tourists being drawn to competing markets. For instance, Malaysia more than doubled its number of Chinese visitors in 2024. Similarly, Singapore saw a surge in Chinese tourists following the introduction of a visa waiver for Chinese visitors in early 2024. Additionally, Thailand and Indonesia have continued to attract a significant number of Chinese tourists, with China remaining one of their top sources of arrivals.

### **Retail Sector**

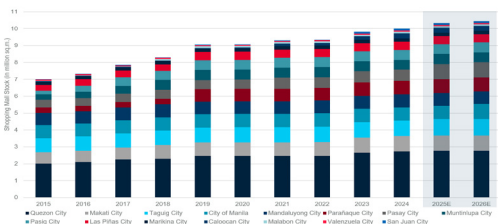
The pace of new retail space supply delivery experienced a noticeable slowdown during the pandemic and post-pandemic era. Between 2020 and 2023, the average annual supply of new retail space gross floor area (GFA) was 197,000 square meters (sqm), compared to the 10-year period annual average supply of 376,000 sqm. In 2024, new completions were recorded at 177,000 sqm, below the recorded completion of 491,000 sqm in 2023. New retail space GFA is expected to reach 340,000 sqm in 2025, primarily due to the delivery of long-stalled completions and expansion projects.

Over the past five years, the challenging environment has led to a significant reduction in project launches in the capital region, with many development pipelines stalled. Numerous planned projects have been delayed or put on hold, resulting in a slowdown in the introduction of new retail spaces.

### 3 Construction market update

Of the 0.91 million sqm of retail gross floor area (GFA) projected for completion between 2024 and 2027, majority were originally scheduled for completion between 2020 and 2023. Meanwhile, recovery trajectories across retail districts are expected to diverge, with prime shopping centers seeing stabilization and a gradual recovery in rents and occupancy rates, while other areas may experience a slower rebound.

**Figure 3. Mid and High-end Shopping Mall Stock in Metro Manila (2015-2026E)**



#### Industrial Sector

According to the e-Economy SEA 2024 report by Google, Temasek, and Bain & Company, the digital economy continues its upward trend, growing at 20% year-over-year (YoY) to reach approximately USD 31 billion in 2024, driven by e-commerce, which contributed USD 21 billion in the same year. Gross merchandise volume in e-commerce has shown an annual growth of 23%, compared to a growth of 14% in 2023. The digital economy is projected to reach up to USD 150 billion by 2030, with e-commerce expected to expand significantly to USD 60 billion. Moreover, in 2024, the Volume of Production Index (VoPI) for the manufacturing sector grew by an average of 0.9%, a significant slowdown compared to the 4.9% growth recorded in 2023.

This deceleration is primarily attributed to the subdued outlook of the global manufacturing industry, which in turn hinders the robust growth potential of industrial real estate. Nonetheless, the transformative effects of infrastructure developments, which enhance logistics operations, continue to stimulate new projects.

The total supply of existing industrial estates in Mega Manila stood at around 6,540 hectares with the addition of around 163 hectares in 2024. The anticipated industrial estate pipeline in Mega Manila up to 2025 will further add around 278 hectares of industrial estates which will be coming from the regions of Central Luzon and CALABA.



## 3 Construction market update

### COMPANY PROFILE

Cushman & Wakefield (NYSE: CWK) is a leading global commercial real estate services firm for property owners and occupiers with approximately 52,000 employees in nearly 400 offices and 60 countries. In 2023, the firm reported revenue of \$9.5 billion across its core services of property, facilities and project management, leasing, capital markets, and valuation and other services. It also receives numerous industry and business accolades for its award-winning culture and commitment to Diversity, Equity and Inclusion (DEI), sustainability and more.

C&W in the Philippines headquartered in Bonifacio Global City in Taguig City was established in 2012 as a fully owned entity after operating for 12 years through a local partner/affiliate.

To learn more, visit [www.cushmanwakefield.com](http://www.cushmanwakefield.com) or follow  
[@CushWake](#) on Twitter.



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*Shang Summit*

*Owner: Shang Properties Inc.*

*Design Architect: P&T Group*

*Architect on Record: CASAS + Architects Inc.*

# 4 FINANCIAL

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Philippines Key Data

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Financial Definitions

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Mortgage Repayment Table

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Consumer Price Index

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Exchange Rates Currency

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Currency Charts

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## PHILIPPINES KEY DATA

## POPULATION

Population (2023)	114.2 M
Population (2024)	115.4 M
Urban Population*	48.70%
Population under 15	28.90%
Population over 65	6.29%
Ave. Annual Growth Rate (2015-2020)	1.60%

## GEOGRAPHY

Land Area	300,000 km <sup>2</sup>
Agricultural Area (2016)	41.50%
Capital City	Manila
(population Metropolitan Manila - Census 2015)	12.88M
(population Manila - Census 2015)	1.78M

## ECONOMY 2024

Monetary Unit	Peso
Average Headline Inflation Rate (2018=100) Full Year 2024	3.2%
Gross Domestic Product (GDP) Full Year 2024	PHP 26,436,781.30
GDP per Capita Full Year 2024	PHP 234,402.64

## CONSTRUCTION 2024

Gross Value of Construction Output Full Year 2024 (in mil)	PHP 4,070,544
Net Value of Construction Output Full Year 2024 (in mil)	PHP 2,046,593
Net Value of Construction Output as a proportion of the GDP Full Year 2024	7.74%

\*Population on Philippine Cities only

\*Projection only

## Source:

National Accounts of the Philippines  
Philippine Statistical Yearbook  
Philippine Statistics Authority  
World Bank

## FINANCIAL DEFINITIONS

### DISCOUNT RATE

The rate of return a developer expects when investing in a project (i.e. opportunity cost).

### INTERNAL RATE OF RETURN (IRR)

The interest rate that equates the present value of expected future cash flows to the cost of the investment; can be compared to the Discount Rate.

### NET PRESENT VALUE (NPV)

The present value of all future cash flows discounted back to today's values at the Discount Rate; indicates in today's dollars the profit or loss a developer makes above or below his required profit (based on nominated Discount Rate).

### 72 RULE

The approximate number of years required to double your capital can be calculated by dividing the interest rate into 72.

e.g.

If interest rate = 10% p.a.

Then  $72 / 10 = 7.2$  years

It will take approximately 7.2 years to double your capital

if it is invested at 10% p.a.

### FINANCIAL FORMULAE

Future value of \$1	$FV = PV (1+i)^n$
Future value of \$1 per period	$FV = PMT [((1+i)^n - 1), i]$
Sinking Fund (the amount required to be put away periodically to realize some future sum)	$PMT = FV [i, ((1+i)^n - 1)]$
Present value of \$1.	$PV = FV [1, (1+i)^n]$
Present value of \$1 per period.	$PV = PMT [((1+i)^n - 1), (i(1+i)^n)]$
Annuity with a PV of \$1 (mortgage bond formula)	$PMT = PV [i(1+i)^n, ((1+i)^n - 1)]$

PV = present value

FV = future value

PMT = payment amount

n = period (e.g. 10 years with monthly payments,  $n = 10 \times 12 = 120$ )

i = interest rate per period (e.g. 12% p.a. compounded monthly;  $i = 12\% / 12 \text{ months} = 1\% \text{ per period}$ )

## MORTGAGE REPAYMENT TABLE

Based on:

- 1,000 units of currency
- Interest compounded monthly
- Equal monthly repayments

Interest p.a.	REPAYMENT YEARS			
	5	10	15	20
5%	18.87	10.61	7.91	6.60
6%	19.33	11.10	8.44	7.16
7%	19.80	11.61	8.99	7.75
8%	20.28	12.13	9.56	8.36
9%	20.76	12.67	10.14	9.00
10%	21.25	13.22	10.75	9.65
11%	21.74	13.78	11.37	10.32
12%	22.24	14.35	12.00	11.01
13%	22.75	14.93	12.65	11.72
14%	23.27	15.53	13.32	12.44
15%	23.79	16.13	14.00	13.17
16%	24.32	16.75	14.69	13.91
17%	24.85	17.38	15.39	14.67
18%	25.39	18.02	16.10	15.43
19%	25.94	18.67	16.83	16.21
20%	26.49	19.33	17.56	16.99
21%	27.05	19.99	18.31	17.78
22%	27.62	20.67	19.06	18.57
23%	28.19	21.35	19.82	19.37
24%	28.77	22.05	20.58	20.17
25%	29.35	22.75	21.36	20.98

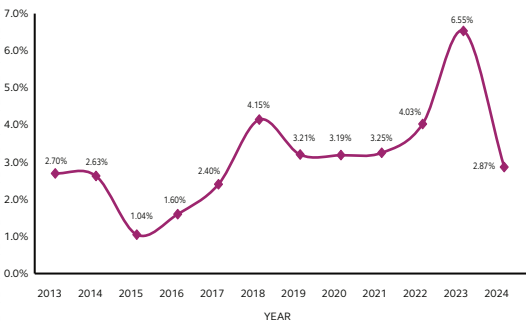
Example

Borrow \$1,000,000 to be repaid monthly at 10% p.a.  
over 10 years.

Repayments =  $1,000,000 / 1,000 \times \$13.22$   
= \$13,220 per month

## CONSUMER PRICE INDEX

% CHANGE IN CPI



YEAR	INDEX (AVE)	% CHANGE
2012	100.0	0.00%
2013	102.7	2.70%
2014	105.4	2.63%
2015	106.5	1.04%
2016	108.2	1.60%
2017	110.8	2.40%
2018	115.4	4.15%
2019	119.1	3.21%
2020	122.9	3.19%
2021	126.9	3.25%
2022	132.0	4.03%
2023	140.7	6.55%
2024	144.7	2.87%

**Note:**

Base Date 2012 = 100

Source: Philippine Statistics Authority



EXCHANGE RATES

December 2024

COUNTRY	CURRENCY	FOREIGN CURRENCY IN PHP	PHP IN FOREIGN CURRENCY	USD IN FOREIGN CURRENCY
Australia*	dollar	36.08	0.03	0.62
Bahrain*	dinar	153.82	0.01	0.38
Brunei*	dollar	42.54	0.02	1.36
Canada*	dollar	40.27	0.02	1.44
China*	yuan	7.95	0.13	7.30
Denmark+	kroner	8.11	0.12	7.16
European Monetary Union*	euro	60.47	0.02	0.96
Hong Kong*	dollar	7.47	0.13	7.77
India+	rupee	0.68	1.47	85.25
Indonesia*	rupiah	0.004	277.78	16,115.00
Japan*	yen	0.37	2.72	157.99
Malaysia+	ringgit	12.99	0.08	4.47
New Zealand+	dollar	32.62	0.03	1.78

# CONSTRUCTION COST HANDBOOK PHILIPPINES 2025

COUNTRY	CURRENCY	FOREIGN CURRENCY IN PHP	PHP IN FOREIGN CURRENCY	USD IN FOREIGN CURRENCY
Norway	kroner	5.10	0.20	11.38
Pakistan+	rupee	0.21	4.79	278.11
Saudi Arabia*	rial	15.45	0.06	3.75
Singapore*	dollar	42.69	0.02	1.36
South Africa+	rand	3.08	0.32	18.81
Korea*	won	0.04	25.25	1,465.00
Sweden+	kroner	5.26	0.19	11.04
Switzerland*	franc	64.55	0.02	0.90
Taiwan+	NT dollar	1.77	0.56	32.76
Thailand*	baht****	1.70	0.59	34.12
United Arab Emirates (UAE)*	dirham	15.80	0.06	3.67
United Kingdom*	pound	72.68	0.01	0.80
United States of America*	dollar	58.01	0.02	1.00

**Source:** BSP Reference Rate

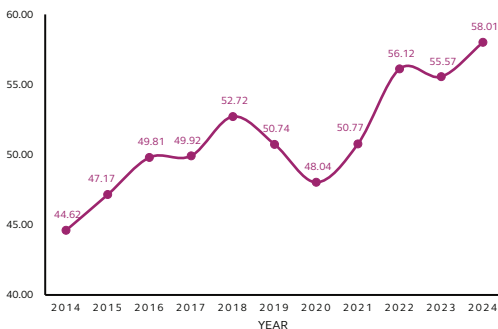
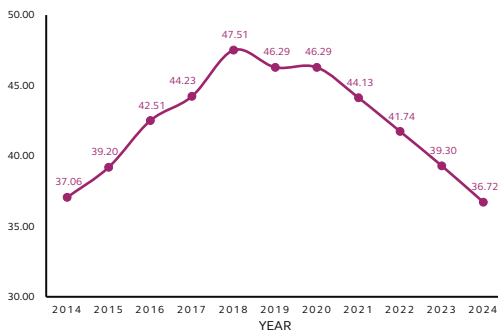
\*\*\*\*THB On-shore price

## Notes:

\* Convertible currencies with BSP

+ Non-convertible currencies with BSP

## CURRENCY CHARTS

US DOLLAR  
PHP PER USDJAPANESE YEN  
PHP PER 100 JAPANESE YEN

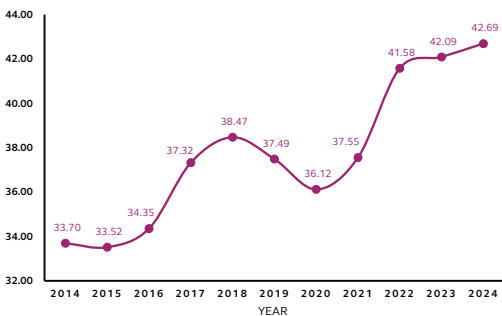
Data Source: Bangko Sentral ng Pilipinas

## CONSTRUCTION COST HANDBOOK PHILIPPINES 2025

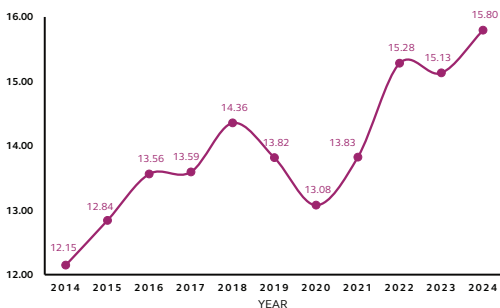
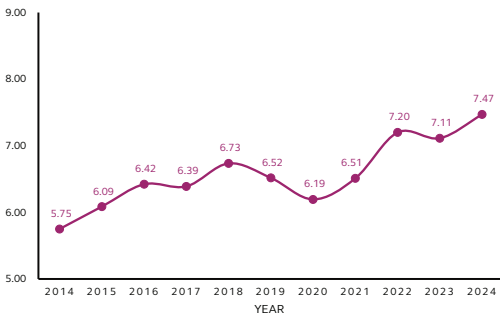
### STERLING POUND PHP PER GBP



### SINGAPOREAN DOLLAR PHP PER SINGAPOREAN DOLLAR



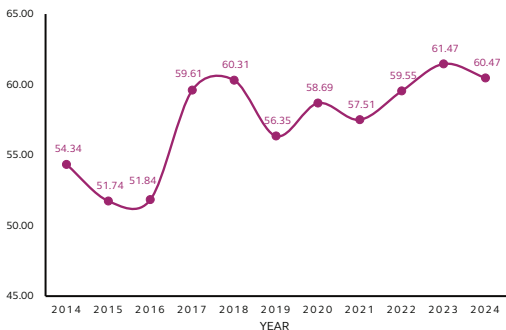
## CURRENCY CHARTS

**DIRHAM**  
PHP PER DIRHAM**HONG KONG DOLLAR**  
PHP PER HONG KONG DOLLAR

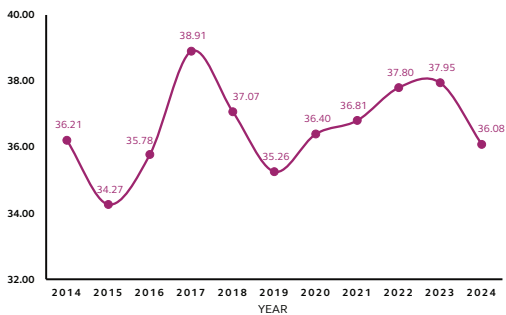
Data Source: Bangko Sentral ng Pilipinas

## CONSTRUCTION COST HANDBOOK PHILIPPINES 2025

### EURO PHP PER EURO



### AUSTRALIAN DOLLAR PHP PER AUSTRALIAN DOLLAR





Enrique K. Razon Hall and University Hall - De La Salle University Laguna Campus  
Client/developer: De La Salle University  
Architect: The Sage Group

# 5 OTHER INFORMATION

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Philippine Map

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Public Holidays

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Conversion Factors

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Arcadis Professional Services

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Cost and Commercial Management

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Sustainability Solutions

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Project and Program Management

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Resilience - Water, Engineering and Design

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BIM Management

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Digital Solutions

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Our Local Services

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Our Global Sectors

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Quality System

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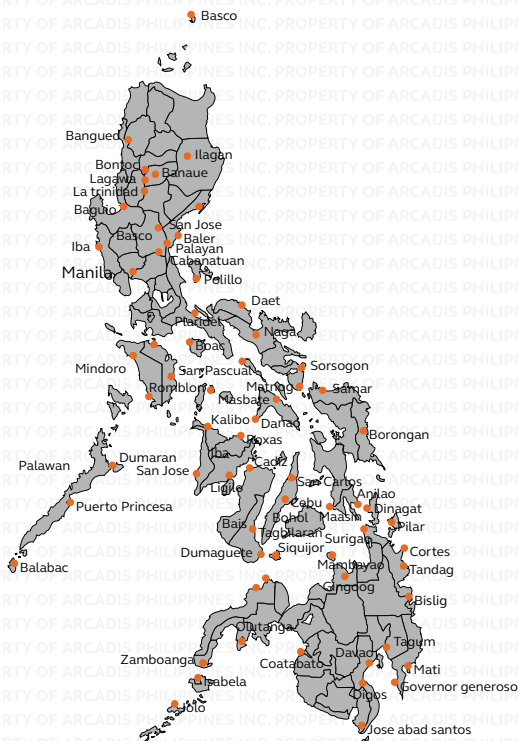
Directory of Offices

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## 5 Other Information

### Philippine map



**PUBLIC HOLIDAYS**

Philippines	2025
<b>A. Regular Holidays</b>	
New Year's Day	01 Jan
Araw ng Kagitingan	09 Apr
Maundy Thursday	17 Apr
Good Friday	18 Apr
Labor Day	01 May
Independence Day	12 Jun
National Heroes Day	25 Aug
Bonifacio Day	30 Nov
Christmas Day	25 Dec
Rizal Day	30 Dec
<b>B. Special Non-Working Holidays</b>	
Chinese New Year (Additional)	29 Jan
Black Saturday (Additional)	19 Apr
Ninoy Aquino Day	21 Aug
All Saints' Day Eve (Additional)	31 Oct
All Saints' Day	01 Nov
Feast of the Immaculate Conception of Mary	08 Dec
Christmas Eve (Additional)	24 Dec
Last Day of the Year	31 Dec
<b>C. Special Working Holidays</b>	
EDSA People Power Revolution Anniversary	25 Feb

**Source:**  
*Official Gazette of the Republic of the Philippines*

## 5 Other Information

### CONVERSION FACTORS

Unit	
<b>Length</b>	
10 mm = 1 cm	12 in = 1 ft
100 cm = 1 m	3 ft = 1 yd
1,000 m = 1 km	1,760 yd = 1 mile
<b>Area</b>	
10,000 m <sup>2</sup> = 1 ha	9 ft <sup>2</sup> = 1 yd <sup>2</sup>
100 ha = 1 km <sup>2</sup>	4,840 yd <sup>2</sup> = 1 acre
	640 acre = 1 mile <sup>2</sup>
<b>Volume</b>	
1,000 ml = 1 L	0.83 gal. (UK) = 1 gal. (US)
1,000 L = 1 m <sup>3</sup>	8 pt. (US) = 1 gal. (US)
1,000 cm <sup>3</sup> = 1 L	4 qt. (US) = 1 gal. (US)
<b>Mass/force</b>	
9.806 N = 1 kg	1,000 lbs. = 1 kip
1,000 g = 1 kg	16 oz = 1 lb
1,000 kg = 1 tonne	2,224 lb = 1 ton
16 tael = 1 catty	
<b>Pressure</b>	
1 Pa = 1 N/m <sup>2</sup>	0.068 atm = 1 psi
1,000 Pa = 1 KPa	14.5 psi = 1 bar
1 Mpa = 1 N/mm <sup>2</sup>	0.491 psi = 1 in. Hg
0.01 kg/cm <sup>2</sup> = 1 Kpa	
<b>Power</b>	
1,000 w = 1 kw	550 ft-lb/sec = 1 hp
1 w = 1 VA x pf*	
<b>Cooling Load</b>	
12,000 BTU/hr = 1 TR	
3,024 kcal/hr = 1 TR	
1.5 hp = 1 TR	

# CONSTRUCTION COST HANDBOOK PHILIPPINES 2025

To imperial (approx)	To metric (approx)
<b>Length</b>	
1 in = 25.400 mm	1 cm = 0.394 in.
1 ft = 30.480 cm	1 m = 3.281 ft.
1 yd = 0.914 m	1 m = 1.094 yd
1 mile = 1.609 km	1 km = 0.621 mile
<b>Area</b>	
1 f <sup>2</sup> = 0.093 m <sup>2</sup>	1 m <sup>2</sup> = 10.764 ft <sup>2</sup>
1 yd <sup>2</sup> = 0.836 m <sup>2</sup>	1 m <sup>2</sup> = 1.196 yd <sup>2</sup>
1 acre = 0.405 ha	1 ha = 2.471 acres
1 mile <sup>2</sup> = 2.590 km <sup>2</sup>	1 km <sup>2</sup> = 0.386 mile <sup>2</sup>
<b>Volume</b>	
1 pt. (UK) = 0.568 L	1 L (UK) = 1.760 pt.
1 pt. (US) = 0.473 L	1 L (US) = 2.113 pt.
1 gal. (UK) = 4.546 L	1 L (UK) = 0.220 gal.
1 gal (US) = 3.785 L	1 L (US) = 0.264 gal.
<b>Mass/force</b>	
1 oz. = 28.350 g	1 gram = 0.035 oz.
1 lb. = 0.454 kg	1 kg = 2.205 lb.
1 ton = 1.016 tonne	1 tonne = 0.984 ton
1 catty = 0.605 kg	
<b>Pressure</b>	
1 bar = 100 KPa	1 MPa = 145 psi
1 psf = 47.88 Pa	1 kg/cm <sup>2</sup> = 14.22 psi
1 psi = 6.895 KPa	1 KPa = 0.295 in. Hg
1 atm. = 101.3 KPa	1 KPa = 20.89 psf
<b>Power</b>	
1 hp = 0.746 kw	1 kw = 1.340 hp
<b>Temperature</b>	
(°F - 32) x 5/9	(°C x 9/5) + 32

## 5 Other Information

### ARCADIS PROFESSIONAL SERVICES COST AND COMMERCIAL MANAGEMENT

- Preliminary cost advice and cost planning
- Procurement advice on appropriate contract packaging, tendering procedures, and procurement options
  - Management of the selected procurement route
- Advice on obtaining tenders
- Preparation of tendering documents
- Negotiation with contractors
- Visiting site and valuation of works in progress
- Assessing the cost of proposed variations
- Attending site and other meetings
- Preparation of financial statements
- Settlement of final cost with contractors and subcontractors
- Advice on contractor's claims
- Cost engineering
  - Financial evaluation of "package" bid contracts
- Cost and contract research
- Reinstatement valuation and/or assessments
- Construction feasibility studies
  - Budget formulation
- Analysis of cost/design options
  - Cost Planning
- Value engineering
  - Cash flow evaluations
- Cost monitoring and/or cost control of construction works
- Bill of Quantities preparation to ensure that all materials have been considered, measured and included ready for tendering.
- Preparations of fixed asset registers
- Cost assessment of Sustainability Solutions initiatives

## SUSTAINABILITY SOLUTIONS

Our Sustainability Solutions team at Arcadis has been at the forefront of sustainable building consulting since 2008, bringing over 17 years of expertise to the industry. We partner with businesses in the Philippines to navigate the evolving sustainability landscape, with a strong focus on built assets.

By leveraging our global network of specialists, we deliver comprehensive strategies that help organizations effectively achieve their Environmental, Social, and Governance (ESG) goals.

### Our Core Services

#### Sustainable Building Certifications

- We help organizations achieve recognized standards for their buildings and spaces, such as LEED (Leadership in Energy and Environmental Design), BERDE (Building for Ecologically Responsive Design Excellence), EDGE (Excellence in Design for Greater Efficiencies), and WELL. We guide project teams through the certification process, ensuring compliance with high-performance criteria such as those related to energy and water efficiency, indoor air quality, and occupant well-being.

#### Building Performance and Life Cycle

- We provide holistic solutions to optimize energy efficiency in buildings, including energy modeling and analysis, energy audits, commissioning, carbon assessments, and advisory to achieve Net Zero. Our focus is on reducing carbon footprints by ensuring long-term, optimized performance throughout the building's lifecycle.

#### Sustainability Consulting and Reporting

- We offer expert advisory services to assist organizations in developing tailored sustainability strategies and roadmaps, as well as conducting due diligence of buildings to assess compliance with established ESG criteria and Net Zero targets. We also assist with sustainability reporting and development of materiality assessments.

## 5 Other Information

### PROJECT AND PROGRAM MANAGEMENT

Construction projects are complex endeavors that require different levels of management expertise to ensure successful delivery. Understanding the distinct roles of Program, Project, and Construction Management is crucial for achieving optimal results.

**Program Management** operates at the highest strategic level, focusing on ensuring business outcomes across multiple related projects. It's about seeing the big picture and governing the entire program of works to deliver certainty and value.

**Project Management** sits at the tactical level, zeroes in on specific project task outputs. Project managers work under the program manager's governance, controlling procedures to achieve deliverables across time, cost, and quality parameters.

**Construction Management** functions at the operational level, ensuring compliance of construction outputs on the ground. These managers utilize proactive systems and procedures to oversee site operations, maintain quality standards, and manage day-to-day activities.

Whether you're embarking on a complex multi-project program, managing a single significant project, or requiring hands-on construction oversight, these three tiers of management services provide comprehensive support for your infrastructure needs. Each level brings its unique expertise and focus, ensuring your objectives are met from the highest strategic level, down to the daily construction activities. At Arcadis, we are uniquely positioned to provide all three levels of management services, offering you a seamless, integrated approach to your infrastructure projects, no matter the scale or complexity.

## PROJECT AND PROGRAM MANAGEMENT

### Program Management

Our Program Management service extends from our Project Management expertise across a number of projects and locations. Program Management commissions include development and expansion, as well as re-imaging and refurbishment programs. Corporations with large property and project portfolios also benefit significantly from this service.

Program Management requires a strategic approach and is often an extension to the clients 'in-house' management or real estate team. In addition to our strategic role, we provide more traditional Project Management services for each of the projects within the program.

#### Key Responsibilities:

- Strategic Planning: defining the program's vision and objectives.
- Cost-Effective Risk Management: proactively identifying and mitigating risks to protect budget and timeline
- Ensuring Streamlined Processes and Optimized Resource Allocation: implementing efficient processes and strategically allocating resources for maximum impact
- Representing the Client & Providing Governance: acting as the client's advocate and establishing a clear framework for decision-making and oversight

#### Benefits:

- Enhanced Coordination: streamlined processes and better alignment with organizational goals
- Improved Resource Utilization: efficient use of resources across projects
- Risk Reduction: proactive identification and management of risks



## 5 Other Information

### PROJECT AND PROGRAM MANAGEMENT

#### Project management

Our highly experienced project managers take responsibility and accountability for the successful delivery of each and every project across the region and around the globe.

Our scope includes assisting the client with developing their brief and requirements, appointing the right design team and consultants, procuring the best value suppliers and contractors, and ensuring the work is executed efficiently and effectively.

#### Responsibilities:

- Time: advise the client on schedule feasibility, maintain a project program, identify critical paths, obtain key decisions, and communicate milestone dates to the project team
- Cost: ensure project delivery within budget, evaluate payment recommendations, lead value engineering, and manage variations affecting the budget
- Quality: review design compliance, manage permits and insurances, assess quality control, mitigate risks, enforce safety policies, maintain task register, and provide progress reports.

#### Benefits:

- Timely Completion: projects are completed within the set timeframe
- Cost Efficiency: effective budgeting and cost management.
- Quality Assurance: deliverables meet the required quality standards

## PROJECT AND PROGRAM MANAGEMENT

### Construction Management

For projects of a larger and more complex projects, construction management can offer a viable alternative to traditional delivery methods. In these cases, the construction contract is divided into smaller packages, each managed directly by our team in the role of Construction Manager.

This form of procurement enhances efficiency and productivity, resulting in significant cost and time savings that are passed directly onto the client.

#### Key Responsibilities:

- **Site Operations:** oversee on-site construction operations, coordinate contractors, and enforce proper methods and procedures
- **Quality, Time & Compliance:** monitor progress, enforce quality control, ensure work aligns with approved drawings, and collaborate on contractor billings
- **Communication & Management:** regular communication with stakeholders, leading progress meetings, coordinating inter-contractor requirements, resolving issues during site execution, and managing project documentation

#### Benefits:

- **Improved Project Quality:** ensures adherence to plans and specifications, minimizing defects and rework
- **Enhanced Project Efficiency:** streamlines processes, optimizes resource allocation, and reduces project delays
- **Improved Project Safety:** implements safety protocols, monitors site conditions, and minimizes accidents
- **Enhanced Communication and Collaboration:** facilitates smooth communication between stakeholders, contractors, and the project team

## 5 Other Information

### RESILIENCE - WATER, ENGINEERING, AND DESIGN

#### Our approach

Having acquired and consolidated several major international consulting firms, Arcadis now possesses unmatched technical and managerial resources in the Philippines. These include world-leading expertise in flood management, seismic engineering, and climate change adaptation—critical areas of growing importance in the Philippines.

Our resources and expertise set us apart, enabling us to deliver comprehensive environmental engineering and management consulting services to solve our clients' increasingly complex water challenges. This allows us to go beyond individual projects or programs, serving as a trusted advisor and long-term business partner.

We create sustainable solutions for every phase of the water cycle. Some of our specialized services include:

#### Water Supply and Treatment

We provide safe water to meet growing demand and increasingly stringent water quality standards, while protecting the environment through wastewater treatment systems, all against a backdrop of ever ever-intensifying population density.

#### Conveyance and networks

We have decades of experience assisting clients in conveying and storing water, wastewater and storm water, all while protecting public health. Our work includes planning, design, and construction services for new and rehabilitated trunk sewers, force mains, interceptors, pumping stations, and tunnels.

#### Water Management

The Philippines is not only prone to perennial flooding but is now also, recognized as vulnerable to consequences of climate change, which threaten both water and food security.

With our water management experts, who have led projects such as New Orleans and New York flood defenses, Arcadis aims to enhance the quality, safety and adaptability of urban, coastal, riverine, and delta ecosystems in the Philippines.

## RESILIENCE - WATER, ENGINEERING, AND DESIGN

### Water for Industry

Our industrial specialists have a thorough understanding of facility operations and waste-generating practices. For companies planning new production operations or updating existing plants, we strive to develop water and wastewater management strategies that align with both regulatory and production objectives.

### Technical Advisory

We optimize our clients' ability to manage critical infrastructure and achieve better business outcomes through:

- Asset valuation;
- Regulatory compliance review;
- Capital improvement planning;
- Water demand projections; and
- Loan monitoring.

### Technical Due Diligence and Asset Management

We provide comprehensive asset management services for a wide range of engineering and infrastructure systems, including water and wastewater utilities, mechanical and electrical assets of industrial plants, bridge and pavement systems, and building assets. Our services include:

- Enterprise asset management solutions;
- Asset blueprint development;
- ISO55000(1) certification process;
- Building and plant audits;
- Data solutions and analytics;
- Digital monitoring;
- Reliability modelling;
- Determination of optimal preventive interventions; and
- Life cycle cost analysis.

In addition, we provide Technical Due Diligence (TDD) services, which involve a process of systematic review, analysis, and assessment of asset conditions from multiple perspectives, including architectural, constructional, structural, MEP (mechanical, electrical, and plumbing), fire safety, and external façade inspections.

## 5 Other Information

### BIM MANAGEMENT

Arcadis' mission of "improving quality of life" extends beyond the traditional construction consultancy scope. Our BIM experience and capabilities allows us to deliver value in the digital age.

Arcadis Philippines Inc. is a trusted construction consultancy company that has been supporting private sector clients in the Philippines since 1982. We work across a range of sectors, providing technically viable solutions that effectively manage quality, time, cost, and health and safety. While our projects are led locally from the Philippines, we collaborate closely with our partner offices worldwide to deliver global expertise tailored to each project's needs.

Our goal is to work alongside our clients as true partners, delivering not only high-quality services but also valuable knowledge and expertise to help them make well-informed decisions.

As BIM Advisors and Digital Solutions experts, we bring global expertise to the Philippine market, ensuring our clients have access to the best construction digital solutions and industry-leading practices in their arsenal.

## DIGITAL SOLUTIONS

Many companies recognize that digital tools and platforms can help their business, but they often need guidance on how to unlock their full potential. Our team has a deep understanding of digital technologies and helps our clients leverage them to create value.

### **Immersive Data Visualization (Holobuilder):**

360° Reality Capture is our Virtual Reality & Augmented Reality toolset for Project Management & Construction Management, Virtual Asset Data Models, and Operational and Health and Safety Training.

Holobuilder offers enhanced visualization of construction project progress and is available as an optional add-on to our core services. With Holobuilder, you can:

- **Capture:** document your jobsite efficiently using advanced technology.
- **View:** access your jobsite in 360 degrees, anytime and anywhere. Photos are instantly available, ensuring your project is fully documented with photographic proof of progress.
- **Control:** compare current photos side by side with historical images to ensure project progress aligns with the plan.

### **ADDITIONAL DIGITAL OFFERINGS**

- Facade inspections using infrared technology and drones
- Road maintenance inspections through visual recognition- and AI Digital Scanning and 3D modelling.

## 5 Other Information

### OUR LOCAL SERVICES:

- Cost and Commercial Management
- Sustainable Solutions
- Development Management
- Project Management
- Program Management
- Construction Management
- Water Consultancy
- Technical Advisory
- Technical Due Diligence and Asset Management
- BIM Management
- Digital Solutions

### OUR GLOBAL SECTORS

Sector	Sub-Sectors
<b>Industrial Manufacturing</b>	Aerospace, Life Sciences, Chemical, Automotive, Manufacturing
<b>Technology</b>	Telecoms & Media, Software & IT, Semiconductors
<b>Energy &amp; Resources</b>	Oil & Gas, Mining & Metals, Power
<b>Property &amp; Investment</b>	Real Estate Investments, Commercial Developers, Retail, Infrastructure Investment, Corporate Real Estate
<b>Government</b>	Central / Federal Government, State / Regional Government, Municipalities / Local Government, Public & Institutional Agencies, Education, Healthcare, Defense
<b>Transportation</b>	Highways, Rail, Aviation, Ports
<b>Contractors</b>	N/A
<b>Water</b>	N/A

## QUALITY SYSTEM

### ISO 9001:2015

### ISO 14001:2015

Arcadis Philippines Inc. recognises the importance of Quality Assurance, especially in a country where Quantity Surveying is not a well recognized profession and quality service is of paramount importance. The establishment of a standard quality control system for all aspects of the services being provided, coupled with our in-house staff training programmes, ensures that Arcadis Philippines Inc. continues to provide the best services available for our clients.

The certification for ISO 9001:2015 and ISO 14001:2015 was issued by the British Standard Institution (BSI). BSI is the business standards company that helps over 80 clients worldwide to adopt standards of best practice and turn them into habits of excellence. BSI was appointed by Royal Charter as the world's first national Standards Body to develop standards for the UK and was a founding member of the International Organization for Standardization (ISO). BSI has originated many of the world's most commonly used standards, including ISO 9001 and publishes over 2,500 product specification and business process standards annually. These standards address a wide range of modern challenges, from sustainable events to nanotechnology, and span industries such as aerospace, construction, healthcare, and IT.





## 5 Other Information

### DIRECTORY OF OFFICES

#### PHILIPPINES

##### ARCADIS PHILIPPINES INC.

##### MANILA

12th Floor Quadrants B & C, 8 Rockwell Hidalgo  
Drive, Rockwell Center, Brgy. Poblacion,  
Makati City 1210, Philippines  
GPS : 14.56357, 121.03680

##### CEBU

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One Acacia, Archbishop Reyes Avenue  
cor Acacia Street,  
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Tel : (63 2) 7908 2888

Email : [info-ph@arcadis.com](mailto:info-ph@arcadis.com)

##### Contacts :

- Darneil Perez - Country Director
- Joycelyn Pagcatipunan - Sales
- Ma. Monina Munsayac - Cost and Commercial Management
- Katherine Ann Resurreccion - Sustainability Solutions
- Jose Pepito Garcia - Project and Programme Management
- Paul Magbanua - Water, Engineering and Design

## DIRECTORY OF OFFICES

### CHINA

#### HONG KONG

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Tel : (852) 2911 2000

Fax : (852) 2576 0416

Email : info-hk@arcadis.com

Contact : William Fong

#### BAODING

BEIJING ARCADIS CONSTRUCTION CONSULTANTS CO. LTD.

BAODING BRANCH

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Tel : (86 312) 588 1301

Fax : -

Email : chinacomms@arcadis.com

Contact : Kenn Ng / Zhang Hai Bo

#### BEIJING

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Tel : (86 10) 6310 1136

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Email : chinacomms@arcadis.com

Contact : Kenn Ng

## 5 Other Information

### DIRECTORY OF OFFICES

#### CHANGSHA

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##### CHANGSHA BRANCH

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HUAYUAN International Center,  
No.36 Section 2, Xiangjiang Middle Road,  
Tianxin District, Changsha,  
Hunan Province, 410002, China

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# About Arcadis

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