

REPUBLIC OF THE PHILIPPINES
MINISTRY OF PUBLIC WORKS AND HIGHWAYS
MANILA

18 January 1982

SECRET
ATTACHMENT

MINISTRY ORDER)
NO. 9)
Series 1982)

SUBJECT: CONSTRUCTION MATERIALS
COST SURVEY

In line with this Ministry's computerization of a Construction Cost Information System, all District Offices are required to conduct, on a quarterly basis, an actual survey on prevailing market prices of construction materials using the attached survey questionnaire and in accordance with the attached prescribed guidelines.

The survey shall be conducted during the first month of every quarter. All accomplished questionnaires shall be submitted to the Comptrollership Service by the District Engineers thru their Regional Director on or before the 15th day of the second month of the quarter reported.

This Ministry Order shall take effect immediately.

JESUS S. HIPOLITO
Minister

Terms of Reference
CONSTRUCTION COST INFORMATION SYSTEM

I. Objectives

1. To provide comprehensive information on construction price indices on unit prices of construction materials and items of work/project activities, including their variability from one region to another.
2. To establish construction cost standards on items of work/project activities and on selected structures.
3. To provide a regular and up-to-date publication of price and cost data relevant to the construction industry with emphasis on government construction costs.
4. To serve as take-off point for future construction data base requirements for other applications, such as project networking, scheduling and control, evaluation of programs of work and other contract papers, engineering cost estimating and engineering design.
5. To provide MPWH top management with relevant and updated construction costs information to serve as basis for policy and decision-making in the areas of cost optimization and alternative designs selection.

II. Scope

The project is envisioned to include four inter-related modules, to wit:

1. Construction cost information on materials, labor and equipment on a regional/national industry perspective;
2. Construction cost standards of activities;
3. Construction cost standards of selected structures, with due consideration to such factors as construction techniques utilization, variable design/specification criteria, construction site, material mix, and the like; and,
4. Projected cost analysis on construction items, which include materials, labor, equipment, land, power, transportation and overhead.

III. Major Activities

Module I

Basically, this module involves data generation for regular quarterly publications of price and cost data on construction materials, labor and equipment and setting up a system for data-collection and processing. The major activities under this module are:

- a) Determination of the size of sample to be adopted and the manner of arriving at regional/national figures for each type of construction material, labor skill and equipment.
- b) Design of a data generation system to be adopted.
- c) Verification of data submitted by field offices.

Module 2

Derivation of cost standards of construction activities involves the following major undertakings:

- a) Standardization of units of measurement for construction activities, e.g., volume in cu.m. for excavation;
- b) Determination of all possible permutation factors to be applied for costing, e.g., excavation depending on type of soil, excavation depending on capacity and type of equipment to be used, concreting depending on the design specifications;
- c) Analysis on how direct and indirect overhead costs will be applied for standardization on cost of activities;
- d) Creation of a masterfile of construction activities containing data on all cost items.

Module 3

The cost standardization of selected structures would basically involve the same major undertakings as in coming out with the construction activities files/outputs.

Module 4

Module 4 will be operational in about three years time. Project cost analysis will be added to the quarterly publications after sufficient historical data are made available to establish trends. The only major activity in this module is the design of the regression method to be used in the analysis.

IV. Conceptual Framework/Methodology (See Figure)

During the first 2 - 3 years, the system will be capable of generating three types of reports:

1. Quarterly publication of unit costs/prices of each type of construction material, labor skill and equipment.
2. Construction cost standards for selected activities
3. Construction cost standards for selected structures.

The first report will be generated out of survey reports submitted by MPWH district offices. To check the accuracy of figures submitted, field verification will have to be undertaken, possibly by the Monitoring/Evaluation group. The field reports shall then be computer processed at ICC to come up with the quarterly reports.

The method for obtaining prevailing market prices/costs shall be subjected to a study to ensure data consistency. Guidelines will be formulated and disseminated to the district offices.

Quarterly data shall be stored for future regression analysis. The same data, however, will be updated periodically (quarterly).

The second and third outputs will be construction cost standards reports on selected activities and structures. Pro-forma listings of specific material, labor and equipment requirements of selected activities will be prepared. Standard units of measurement will be established. Past programs of work and attached bill of materials may serve as source documents for this purpose.

When generating reports, Module 1 data (unit costs) will be retrieved and used inter-actively with the pro-forma listings to come up with total activity costs. The same methodology would be applied for selected structures.

To make information more useful, price and cost variations in activity/structure costs as they relate to design, construction technique, material-mix, etc. will be presented. As an illustration, excavation activities employing different equipment types and capacities will have different unit standard costs. The type of soil to be excavated, for instance, may be added as a permutation factor.

When enough data has been accumulated in about three years time, trends will be established and unit prices (based on an index year) may be regressed. Thus, by that time the system is capable of forecasting costs of activities/structures for future implementation. These data will be useful in programming infrastructure projects, particularly in establishing policy and priority guidelines.

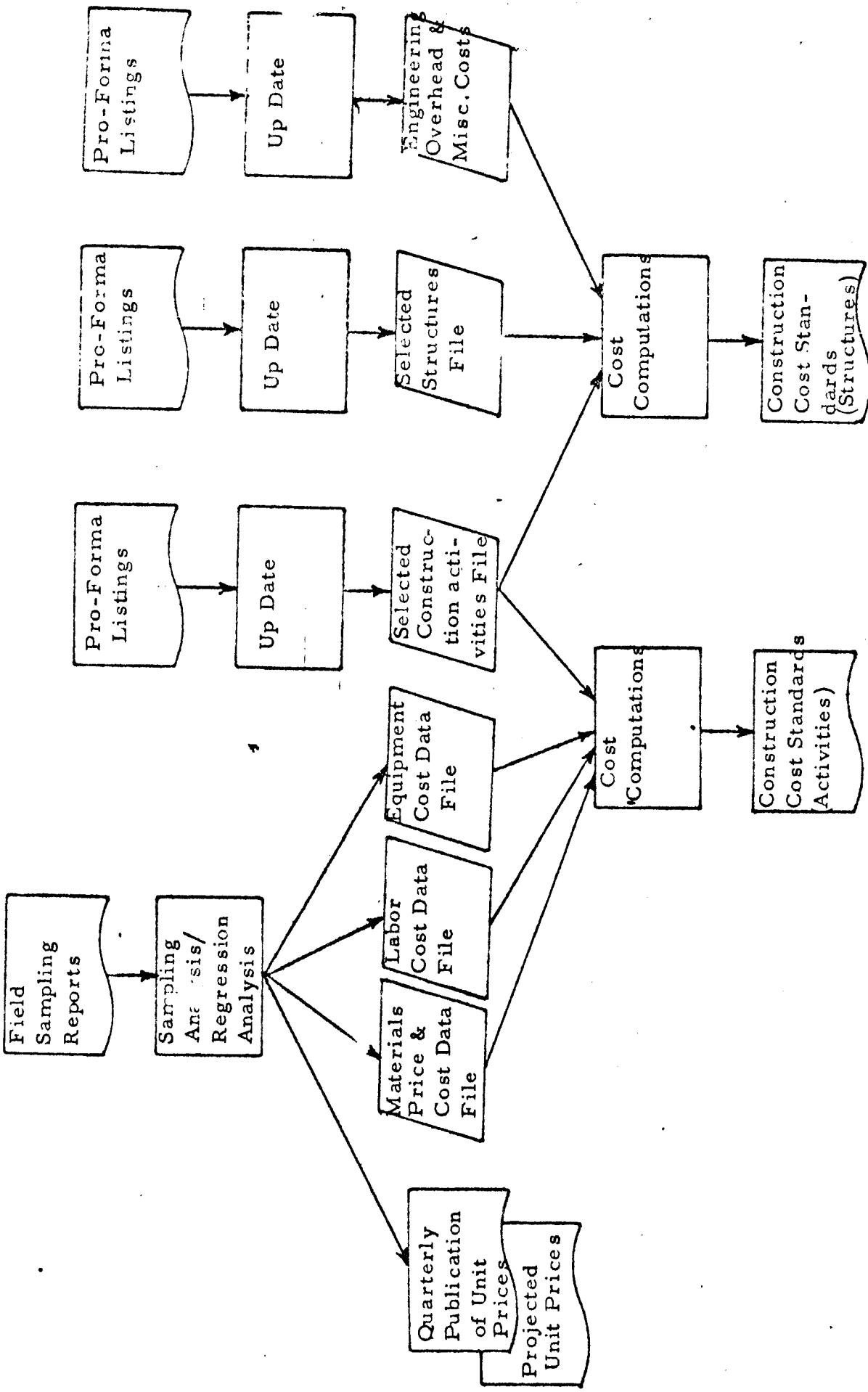
V. Project Timetable

Module 1: Operational by November 1980
(Without Regression Analysis)

Modules

2 & 3 : Sub-module 1 (Buildings) - operational by October, 1981
Sub-module 2 (Highways) - operational by June, 1982
Sub-module 3 (Flood Control) - operational by December,
1982
Sub-module 4 (Ports & Harbors) - operational by
June, 1983
Sub-module 5 (Water Supply) - operational by October,
1983

Module 4: Operational by December, 1983



* * * * * SURVEY ON PRICES OF CONSTRUCTION MATERIALS *

GENERAL INSTRUCTIONS

1. THIS SURVEY FORM SET CPMH-CICS FORM 612 IS PRE-HUMMERED AND THE RECIPIENT IS ACCOUNTABLE FOR PROPERLY ACCOMPLISHING IT AND RETURNING TO

THE CHIEF
COARTOLERSHIP SERVICE
MINISTRY OF PUBLIC WORKS AND HIGHWAYS

2. ACCOMPLISHED SURVEY FORMS SHOULD BE SUBMITTED THRU THE REGIONAL DIRECTOR CONCERNED OR HIS REPRESENTATIVE ON OR BEFORE THE 15TH DAY OF THE SECOND MONTH OF EVERY QUARTER.
3. UNACCOMPLISHED PAGES OF EACH SURVEY SET SHOULD NOT BE DETACHED. UNUSED SURVEY SETS SHOULD BE RETURNED TO THE ABOVE-MENTIONED ADDRESSEE.
4. PLEASE READ GUIDELINES FOR IMPLEMENTATION OF THE MATERIALS OF CONSTRUCTION COST SURVEY.

- MINISTRY OF PUBLIC WORKS AND HIGHWAYS

GUIDELINES FOR THE IMPLEMENTATION OF THE MATERIALS OF CONSTRUCTION COST SURVEY

1.1. OBJECTIVES:

TO PROVIDE COMPREHENSIVE INFORMATION ON CONSTRUCTION PRICES INDICES ON UNIT PRICES OF CONSTRUCTION MATERIALS AND ITEMS OF WORK/PROJECT ACTIVITIES, INCLUDING THEIR VARIABILITY FROM ONE REGION TO ANOTHER.

TO ESTABLISH CONSTRUCTION COST STANDARDS ON ITEMS OF WORK/PROJECT ACTIVITIES AND ON SELECTED STRUCTURES.

TO PROVIDE A REGULAR AND UP-TO-DATE PUBLICATION OF PRICE AND COST DATA RELEVANT TO THE CONSTRUCTION INDUSTRY WITH EMPHASIS ON GOVERNMENT CONSTRUCTION COSTS.

TO SERVE AS TAKE-OFF POINT FOR FUTURE CONSTRUCTION DATA BASE REQUIREMENTS FOR OTHER APPLICATIONS, SUCH AS PROJECT NEGOTIATION, PROCUREMENT, CONTROLLING AND CONTRACTOR EVALUATION OF PROGRAMS OF WORK AND OTHER CONTRACT PAPERS, ENGINEERING COST ESTIMATING AND ENGINEERING DESIGN.

TO PROVIDE MPWH TOP MANAGEMENT WITH RELEVANT AND UPDATED CONSTRUCTION COSTS INFORMATION TO SERVE AS BASIS FOR POLICY AND DECISION-MAKING IN THE AREAS OF COST OPTIMIZATION AND ALTERNATIVE DESIGN SELECTION.

1.2. AREA OF SURVEY

THE DISTRIBUTORS OR PRODUCATORS SELECTED SOURCES AS IDENTIFIED BY THE MPWH DISTRICT ENGINEER CONCERNED SHALL ACT AS THE PRIMARY SOURCE OF THE MATERIALS FOR CONSTRUCTION COST SURVEY.

1.3. SAMPLE SIZE

FOR EACH PROVINCE CONSTRUCTED, THREE SETS OF SURVEY FORMS SHALL BE ACCOMPLISHED. FOR EACH SET, THE PROVINCIAL MARKET PRICE OF MATERIALS MAY BE OBTAINED FROM ONE OR MORE DISTRIBUTORS/SUPPLIERS CHOSEN IN ACCORDANCE WITH THE CRITERIA IN THE SELECTION OF DISTRICT ENGINEER.

1.4. DEFINITION

PROVINCIAL MARKET PRICE IS SHOWN AS THE PRICE OF CONSTRUCTION MATERIALS ACQUIRED BY THE SELECTED DISTRIBUTORS/SUPPLIERS IN CURRENT QUARTERS REPORTED.

DISTRICT ENGINEER SHALL DETERMINE MARKET PRICES OF THE SELECTED DISTRICT SOURCES /SUPPLIERS.

MATERIALS OF CONSTRUCTION AND OTHER SERVICES PROVIDED OR AUTHORIZED
PROMISED BY THE CONTRACTOR, OWNER OR CONTRACTING AGENCY, OR
THOSE RESPONSIBLE FOR CONSTRUCTION, OWNERSHIP AND OPERATION OF THE PROJECT,
SHALL BE PROVIDED AS THE SUBJECT OF AGREEMENTS, THROUGH THEIR RESPECTIVE
SURVEY FORUMS AND THE SUBSEQUEENT AGREEMENTS CONCERNED, TO THE CONTRACTOR'S
REGIONAL DIRECTORS CONCERNED, TO THE CONTRACTOR'S SUPPLIERS,
DISTIBUTOR/SUPPLIERS SHALL REFER TO A WHOLESALE/SETTLEMENT ENGAGED IN THE SALE OF ALL OR
SPECIFIC CONSTRUCTION MATERIALS.

1.5. METROLOGY

1.5.1. SURVEY FORKS

SURVEY FORKS ARE PROVIDED BY THE CONTRACTOR, OWNER OR CONTRACTING AGENCY, OR
THOSE RESPONSIBLE FOR CONSTRUCTION, OWNERSHIP AND OPERATION OF THE PROJECT,
SHALL BE PROVIDED AS THE SUBJECT OF AGREEMENTS, THROUGH THEIR RESPECTIVE
SURVEY FORUMS AND THE SUBSEQUENT AGREEMENTS CONCERNED, TO THE CONTRACTOR'S
REGIONAL DIRECTORS CONCERNED, TO THE CONTRACTOR'S SUPPLIERS,
DISTIBUTOR/SUPPLIERS SHALL REFER TO A WHOLESALE/SETTLEMENT ENGAGED IN THE SALE OF ALL OR
SPECIFIC CONSTRUCTION MATERIALS.

CONTRACTOR'S SURVEY FORKS ARE PROVIDED AS THE SUBJECT OF AGREEMENTS, THROUGH THEIR RESPECTIVE
SURVEY FORUMS AND THE SUBSEQUENT AGREEMENTS CONCERNED, TO THE CONTRACTOR'S SUPPLIERS,
DISTIBUTOR/SUPPLIERS SHALL REFER TO A WHOLESALE/SETTLEMENT ENGAGED IN THE SALE OF ALL OR
SPECIFIC CONSTRUCTION MATERIALS.

1.6. CONTRACTOR'S SURVEY FORKS

CONTRACTOR'S SURVEY FORKS ARE PROVIDED AS THE SUBJECT OF AGREEMENTS, THROUGH THEIR RESPECTIVE
SURVEY FORUMS AND THE SUBSEQUENT AGREEMENTS CONCERNED, TO THE CONTRACTOR'S SUPPLIERS,
DISTIBUTOR/SUPPLIERS SHALL REFER TO A WHOLESALE/SETTLEMENT ENGAGED IN THE SALE OF ALL OR
SPECIFIC CONSTRUCTION MATERIALS.

N.B.: This is a copy of an attachment to (Page 4 (Part II of II) on next page
MPWH Ministry Order # 9 dt 1/18-82

1.5.4. FREQUENCY OF SURVEY

THE MATERIALS OF CONSTRUCTION COST SURVEY SHALL BE CONDUCTED EVERY QUARTER STARTING THE 1ST QUARTER OF CALENDAR YEAR 1982. ALL QUARTERLY SURVEY REPORTS SHALL BE CONDUCTED DURING THE 1ST MONTH OF THE QUARTER REPORTED.

1.5.5. SUBMISSION OF ACCOMPLISHED SURVEY FORMS

THE ACCOMPLISHED SURVEY FORMS SHALL BE SUBMITTED BY THE MPWH DISTRICT ENGINEER TO THEIR RESPECTIVE MPWH REGIONAL DIRECTOR 24 OR BEFORE THE END OF THE FIRST MONTH OF THE QUARTER REPORTED. THE MPWH REGIONAL DIRECTOR SHALL SUBMIT THE SAME TO THE CHIEF OF THE COOPERATIVE SURVEY SERVICE ON THE 15TH DAY OF THE SECOND MONTH OF THE QUARTER REPORTED.

1.5.6. FIELD SURVEY VERIFICATION

FIELD SURVEY VERIFICATION SHALL BE UNDERTAKEN JOINTLY BY THE HEADS OF THE RESPECTIVE MPWH DISTRICT OFFICES AND THE REPRESENTATIVE OF THE MONITORING AND EVALUATION DIVISION OF THE COOPERATIVE SURVEY SERVICE DURING THE 3RD WEEK OF THE 2ND MONTH OF THE QUARTER REPORTED.

1.5.7. DATA PROCESSING

THE INFRASTRUCTURE MANAGEMENT CENTER (IMC) SHALL BE RESPONSIBLE FOR THE DATA PROCESSING OF THE MATERIALS OF CONSTRUCTION COST SURVEY AND THE DETERMINATION OF THE ECONOMICITY, REGIONAL AND NATIONAL FIGURES.

TABLE 1-1. ** TABLE OF CONTENTS **

N.B.:-- This is a copy of an attachment to
MPWH Ministry Order # 9 d 1/18-82

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RESPONDENT NO. 190

MATERIAL NAME/DESCRIPTION OF MATERIALS

CODE

UNIT OF MEASURE

PRICE (P)

REMARKS

36019100	MARINE TYPE PLYWOOD 3/16" X 4' X 3'	SHEET	1.70	
36019200	1/4" X 4' X 3'	SHEET	2.20	
36019300	1/2" X 4' X 3'	SHEET	3.00	
36049100	PLYBOARD 3/4" X 4' X 3'	SHEET	4.00	
36049200	1" X 4' X 3'	SHEET	5.00	
37019100	LUMBER STRUCTURAL	FT	1.00	
37019200	1/2" X 4"	PC	1.00	
37019300	3/4" X 4"	PC	1.20	
37019400	1" X 4"	PC	1.40	
37019500	1 1/2" X 4"	PC	1.80	
37019600	2" X 4"	PC	2.00	
37019700	2 1/2" X 4"	PC	2.20	
37019800	3" X 4"	PC	2.40	
37019900	4" X 4"	PC	2.60	
37029100	ANGLED IRON 1/2" X 4"	PC	1.00	
37029200	1" X 4"	PC	1.20	
37029300	1 1/2" X 4"	PC	1.40	
37029400	2" X 4"	PC	1.60	
37029500	2 1/2" X 4"	PC	1.80	
37029600	3" X 4"	PC	2.00	
37029700	4" X 4"	PC	2.20	
37039100	ANGLE IRON 1/2" X 4" X 4"	PC	1.00	
37039200	1" X 4" X 4"	PC	1.20	
37039300	1 1/2" X 4" X 4"	PC	1.40	
37039400	2" X 4" X 4"	PC	1.60	
37039500	2 1/2" X 4" X 4"	PC	1.80	
37039600	3" X 4" X 4"	PC	2.00	
37039700	4" X 4" X 4"	PC	2.20	
37049100	PLATE IRON 1/2" X 4" X 4"	PC	1.00	
37049200	1" X 4" X 4"	PC	1.20	
37049300	1 1/2" X 4" X 4"	PC	1.40	
37049400	2" X 4" X 4"	PC	1.60	
37049500	2 1/2" X 4" X 4"	PC	1.80	
37049600	3" X 4" X 4"	PC	2.00	
37049700	4" X 4" X 4"	PC	2.20	
37059100	STRUCTURAL STEEL 1/2" X 4" X 4"	PC	1.00	
37059200	1" X 4" X 4"	PC	1.20	
37059300	1 1/2" X 4" X 4"	PC	1.40	
37059400	2" X 4" X 4"	PC	1.60	
37059500	2 1/2" X 4" X 4"	PC	1.80	
37059600	3" X 4" X 4"	PC	2.00	
37059700	4" X 4" X 4"	PC	2.20	

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SURVEY OF PUBLIC WORKS
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MATERIAL : NAME/DESCRIPTION OF MATERIALS UNIT OF MEASURE PRICE (D) REMARKS

CODE	ANGLE BARS (20°)	PC
120 10 100	1 1/2" X 3/4" X 3/4"	
120 10 200	1 1/2" X 1" X 1"	
120 10 300	1 1/2" X 1-1/4" X 1-1/4"	
120 10 400	3/16" X 1" X 1"	
120 10 500	3/16" X 1-1/4" X 1-1/4"	
120 10 500	3/16" X 1-1/4" X 1-1/4"	
120 10 500	3/16" X 1-1/2" X 1-1/2"	
120 10 700	3/16" X 1-3/4" X 1-3/4"	
120 10 900	3/16" X 2" X 2"	
120 10 900	3/16" X 2-1/2" X 2-1/2"	
120 11 000	1/4" X 1" X 1"	
120 11 100	1/4" X 1-1/2" X 1-1/2"	
120 11 200	1/4" X 2" X 2"	
120 11 300	1/4" X 2-1/2" X 2-1/2"	
PLATES		
120 30 100	GUSSET, 21/16" X 4" X 3"	
120 30 200	STEEL, 3/16" X 4" X 3"	

TIES

CODE	FLUOR/PALLETIES	PC
130 10 100	CP/LAT 48 X 48 X 48 X 48	
130 10 100	DISCANT TIE 3	
130 10 100	DISCANT TIE 5	
130 10 100	DISCANT TIE 6	
130 10 100	DISCANT TIE 8	
130 10 100	DISCANT TIE 10	
130 10 100	DISCANT TIE 12	
130 10 100	DISCANT TIE 14	
130 10 100	DISCANT TIE 16	
130 10 100	DISCANT TIE 18	
130 10 100	DISCANT TIE 20	
130 10 100	DISCANT TIE 22	
130 10 100	DISCANT TIE 24	
130 10 100	DISCANT TIE 26	
130 10 100	DISCANT TIE 28	
130 10 100	DISCANT TIE 30	
130 10 100	DISCANT TIE 32	
130 10 100	DISCANT TIE 34	
130 10 100	DISCANT TIE 36	
130 10 100	DISCANT TIE 38	
130 10 100	DISCANT TIE 40	
130 10 100	DISCANT TIE 42	
130 10 100	DISCANT TIE 44	
130 10 100	DISCANT TIE 46	
130 10 100	DISCANT TIE 48	
130 10 100	DISCANT TIE 50	
130 10 100	DISCANT TIE 52	
130 10 100	DISCANT TIE 54	
130 10 100	DISCANT TIE 56	
130 10 100	DISCANT TIE 58	
130 10 100	DISCANT TIE 60	
130 10 100	DISCANT TIE 62	
130 10 100	DISCANT TIE 64	
130 10 100	DISCANT TIE 66	
130 10 100	DISCANT TIE 68	
130 10 100	DISCANT TIE 70	
130 10 100	DISCANT TIE 72	
130 10 100	DISCANT TIE 74	
130 10 100	DISCANT TIE 76	
130 10 100	DISCANT TIE 78	
130 10 100	DISCANT TIE 80	
130 10 100	DISCANT TIE 82	
130 10 100	DISCANT TIE 84	
130 10 100	DISCANT TIE 86	
130 10 100	DISCANT TIE 88	
130 10 100	DISCANT TIE 90	
130 10 100	DISCANT TIE 92	
130 10 100	DISCANT TIE 94	
130 10 100	DISCANT TIE 96	
130 10 100	DISCANT TIE 98	
130 10 100	DISCANT TIE 100	

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SURVEY ON PRICES OF CONSTRUCTION MATERIALS
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N.B.:-- This is a copy of an attachment to

(Part II of II)

MPWH Ministry Order # 9 dtd. 1/18-82

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MATERIAL CODE	NAME/DESCRIPTION OF MATERIAL	UNIT	MEASURE	PRICE (P)	REMARKS
EXTERIORS					
140 70 000	NARRA WOOD PARQUET	SC FT	SQ FT	50	
140 50 000	TANGUILE WOOD PARQUET	SC FT	SQ FT	50	
140 60 000	CEMENT PLASTER WALL FINISH	SC FT	SQ FT	50	
141 00 000	SYNTHETIC ACOSE WALL FINISH	SC FT	SQ FT	50	
141 10 000	RED BRICK WALL FINISH	SC FT	SQ FT	50	
141 20 000	BUSH HAMMERED	SC FT	SQ FT	50	
141 30 000	ANAY FINISH	SC FT	SQ FT	50	
141 40 000	SAND BLAST	SC FT	SQ FT	50	
141 50 000	FLUTED WALL FINISH	SC FT	SQ FT	50	
141 60 000	CRAZY CUT MARBLE	SC FT	SQ FT	50	
141 70 000	MARBLE STAB	SC FT	SQ FT	50	
141 80 000	CORAL ROY	SC FT	SQ FT	50	
141 90 000	SHELL PICKET FINISH	SC FT	SQ FT	50	
142 00 000	ACOUSTIC CEILING BOARD	SC FT	SQ FT	50	
142 10 000	ACOUSTIC CELOTEX CEILING	SC FT	SQ FT	50	
142 20 000	SPRAYTEX CEILINGS BOARD	SC FT	SQ FT	50	
142 30 000	ACOSE STOVES, COORDINATE	SC FT	SQ FT	50	
142 40 000	SPRAYTEX CEILINGS BOARD	SC FT	SQ FT	50	
DOORS					
150 10 100	3/4" PLUS HOLLOW CORE	SC FT	SQ FT	50	
150 10 200	3/4" PLUS PLUGGED	SC FT	SQ FT	50	
150 10 300	CHERRY ON BOTH FACE	SC FT	SQ FT	50	
150 10 400	3/4" FLUSH HOLLOW CORE	SC FT	SQ FT	50	
150 10 500	3/4" FLUSH PLUGGED	SC FT	SQ FT	50	
150 10 600	(TANDEM) ON BOTH FACE	SC FT	SQ FT	50	
150 10 700	1/2" SOLID TYPE	SC FT	SQ FT	50	
150 10 800	DATA PANELLING DOOR	SC FT	SQ FT	50	
150 10 900	TANGUILE PANELLING DOOR	SC FT	SQ FT	50	
150 11 000	SWING	SC FT	SQ FT	50	
150 11 100	ALUMINIUM DOOR	SC FT	SQ FT	50	
150 11 200	CLASS TRANSOM ON WOOD	SC FT	SQ FT	50	
150 11 300	SWING	SC FT	SQ FT	50	
150 11 400	ACOSE DOOR	SC FT	SQ FT	50	
150 11 500	WING	SC FT	SQ FT	50	
150 11 600	WING WITH 7/32" THICK	SC FT	SQ FT	50	
150 11 700	CLEAR GLASS	SC FT	SQ FT	50	
150 11 800	SWING TYPE STEEL CAGE DOOR	SC FT	SQ FT	50	
150 11 900	WING WITH 7/32" THICK	SC FT	SQ FT	50	
150 12 000	CLEAR GLASS	SC FT	SQ FT	50	
150 12 100	WING WITH 7/32" THICK	SC FT	SQ FT	50	
150 12 200	WING WITH 7/32" THICK	SC FT	SQ FT	50	
150 12 300	WING WITH 7/32" THICK	SC FT	SQ FT	50	
150 12 400	WING WITH 7/32" THICK	SC FT	SQ FT	50	
150 12 500	WING WITH 7/32" THICK	SC FT	SQ FT	50	
150 12 600	WING WITH 7/32" THICK	SC FT	SQ FT	50	
150 12 700	WING WITH 7/32" THICK	SC FT	SQ FT	50	
150 12 800	WING WITH 7/32" THICK	SC FT	SQ FT	50	
150 12 900	WING WITH 7/32" THICK	SC FT	SQ FT	50	

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MATERIAL
 CODE

NAME/DESCRIPTION OF MATERIALS

UNIT OF MEASURE

PRICE (PS)

REMARKS

15030500	WINDOWS FIXED GLASS WINDOW OR ALUMINUM FRAME	SQ FT		
			15020600	15020700
15020600	CAPIZ SHELL PANELLED WINDOW OR DOOR FRAME	SQ FT	15020600	15020700
15020700	FIXED LOUVRED FRAME OR ROOFTOP FRAME	SQ FT	15020600	15020700
15030800	OPEN LOUVRED FRAME OR ALUMINUM FRAME	SQ FT	15020600	15020700
15030900	SWINGING ALUMINUM WINDOW WITH CLEAR GLASS	SQ FT	15020600	15020700
 CONCRETE CUBIC				
15031000	15031100	15031200	15031300	15031400
15031500	15031600	15031700	15031800	15031900
15032000	15032100	15032200	15032300	15032400
15032500	15032600	15032700	15032800	15032900
15033000	15033100	15033200	15033300	15033400
15033500	15033600	15033700	15033800	15033900
15034000	15034100	15034200	15034300	15034400
15034500	15034600	15034700	15034800	15034900
15035000	15035100	15035200	15035300	15035400
15035500	15035600	15035700	15035800	15035900
15036000	15036100	15036200	15036300	15036400
15036500	15036600	15036700	15036800	15036900
15037000	15037100	15037200	15037300	15037400
15037500	15037600	15037700	15037800	15037900
15038000	15038100	15038200	15038300	15038400
15038500	15038600	15038700	15038800	15038900
15039000	15039100	15039200	15039300	15039400
15039500	15039600	15039700	15039800	15039900
15030000	15030100	15030200	15030300	15030400
15030500	15030600	15030700	15030800	15030900
15031000	15031100	15031200	15031300	15031400
15031500	15031600	15031700	15031800	15031900
15032000	15032100	15032200	15032300	15032400
15032500	15032600	15032700	15032800	15032900
15033000	15033100	15033200	15033300	15033400
15033500	15033600	15033700	15033800	15033900
15034000	15034100	15034200	15034300	15034400
15034500	15034600	15034700	15034800	15034900
15035000	15035100	15035200	15035300	15035400
15035500	15035600	15035700	15035800	15035900
15036000	15036100	15036200	15036300	15036400
15036500	15036600	15036700	15036800	15036900
15037000	15037100	15037200	15037300	15037400
15037500	15037600	15037700	15037800	15037900
15038000	15038100	15038200	15038300	15038400
15038500	15038600	15038700	15038800	15038900
15039000	15039100	15039200	15039300	15039400
15039500	15039600	15039700	15039800	15039900

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RESPONDENT NO. 190

14-15 DAY OFFICIAL PRICES OF CONSTRUCTION MATERIALS
SURVEY ON PRICES OF CONSTRUCTION MATERIALS
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MATERIAL CODE	NAME/DESCRIPTION OF MATERIALS	UNIT OF MEASURE	PRICE (P)	REMARKS
20018000	PAINT THINNER	GAL	10.00	
20020000	DENATURED ALCOHOL	GAL	10.00	
20053000	READY MIX VARNISH	GAL	10.00	
20100000	EPoxy PAINT	GAL	10.00	
20110000	PATCHING COMPOUND	GAL	10.00	
20120000	ROOFING PAINT	GAL	10.00	
20130000	CLEAR GLASS PAINT	GAL	10.00	
20140000	TILE PEO PAINT	GAL	10.00	
20145000	PAINT FLAT WALL ENAMEL	GAL	10.00	
20149000	CEYLON OR EQUIVALENT	GAL	10.00	
20150000	PAINT, GLOSS CEYLON OR EQUIVALENT	GAL	10.00	
20170000	QUICK DRY ENAMEL	GAL	10.00	
20171000	OIL BASE ENAMEL COLOR	GAL	10.00	
20172000	WATER BASE ENAMEL COLOR	GAL	10.00	
20173000	CALSOFTING POWDER	KILO	10.00	
20174000	ZINC SULPHATE	KILO	10.00	
20175000	SHELLAC	ROLL	10.00	
20220000	ASPHALT FELT DRAPE	GAL	10.00	
20240000	ASPHALT	GAL	10.00	
20241000	ASPHALT	GAL	10.00	
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20453000	ASPHALT	GAL	10.00	
20454000	ASPHALT	GAL	10.00	
20455000	ASPHALT	GAL	10.00	
20456000	AS			

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ANNUAL REPORT OF PUBLIC WORKS
SUBDIVISIONS OF THE STATE OF CALIFORNIA

STATEMENT OF PURCHASES
 SURVEY ON PURCHASE OF CONSTRUCTION MATERIALS
 PAGE 10 OF 12

NAME/DESCRIPTION OF MATERIALS

**PVC ADAPTER WITH LOCKNUT
 AND PUSHING**

220 10 601 1 1/2"

220 10 602 3/4"

220 10 603 1"

RS CONSULT COUPLING

220 10 701 1 1/2"

220 10 702 1"

220 10 705 1 - 1/4"

220 10 706 1 - 1/2"

PVC CONDUIT COUPLING

220 10 801 1 1/2"

220 10 802 3/4"

220 10 803 1"

220 10 804 1 - 1/4"

220 10 805 1 - 1/2"

220 10 806 1"

220 10 807 1 - 1/4"

220 10 808 1 - 1/2"

220 10 809 1"

220 10 810 1 - 1/4"

220 10 811 1 - 1/2"

220 10 812 1"

220 10 813 1 - 1/4"

220 10 814 1 - 1/2"

220 10 815 1"

220 10 816 1 - 1/4"

220 10 817 1 - 1/2"

220 10 818 1"

220 10 819 1 - 1/4"

220 10 820 1 - 1/2"

220 10 821 1"

220 10 822 1 - 1/4"

220 10 823 1 - 1/2"

220 10 824 1"

220 10 825 1 - 1/4"

220 10 826 1 - 1/2"

220 10 827 1"

220 10 828 1 - 1/4"

220 10 829 1 - 1/2"

220 10 830 1"

220 10 831 1 - 1/4"

220 10 832 1 - 1/2"

220 10 833 1"

220 10 834 1 - 1/4"

220 10 835 1 - 1/2"

220 10 836 1"

220 10 837 1 - 1/4"

220 10 838 1 - 1/2"

220 10 839 1"

220 10 840 1 - 1/4"

220 10 841 1 - 1/2"

220 10 842 1"

NAME/DESCRIPTION OF MATERIALS

UNIT OF QUANTITY

MEASURE PRICE PER UNIT

REMARKS

PC

NAME/DESCRIPTION OF MATERIALS

UNIT OF QUANTITY

MEASURE PRICE PER UNIT

REMARKS

PC

ARTICLE	CODE	NAME/DESCRIPTION OF MATERIALS	QTY	UNIT	STOCK IN STOCKROOM		STOCK IN WAREHOUSE	STOCK IN FIELD
					IN STOCK	ON ORDER		
WIRES AND WIRING DEVICES								
FLUSH TWO-GANG TUMBLER	22040600	SWITCH WITH EKAKELITE	PC					
PLATE COVER	22040700	FLUSH THREE-GANG TUMBLER	PC					
SWITCH WITH EKAKELITE	22040800	PLATE COVER	PC					
FLUSH THREE-WAY TUMBLER	22040900	SWITCH PLATE	PC					
PLATE COVER	22041000	FLUSH FLOOR BOX TUMBLER	PC					
SWITCH PLATE	22041100	SWITCH PLATE	PC					
PLATE COVER	22041200	FLUSH FLOOR BOX TUMBLER	PC					
SWITCH PLATE	22041300	SWITCH PLATE	PC					
PLATE COVER	22041400	FLUSH FLOOR BOX TUMBLER	PC					
SWITCH PLATE	22041500	SWITCH PLATE	PC					
PLATE COVER	22041600	FLUSH FLOOR BOX TUMBLER	PC					
SWITCH PLATE	22041700	SWITCH PLATE	PC					
PLATE COVER	22041800	FLUSH FLOOR BOX TUMBLER	PC					
SWITCH PLATE	22041900	SWITCH PLATE	PC					
PLATE COVER	22042000	FLUSH FLOOR BOX TUMBLER	PC					
SWITCH PLATE	22042100	SWITCH PLATE	PC					
PLATE COVER	22042200	FLUSH FLOOR BOX TUMBLER	PC					
SWITCH PLATE	22042300	SWITCH PLATE	PC					
PLATE COVER	22042400	FLUSH FLOOR BOX TUMBLER	PC					
SWITCH PLATE	22042500	SWITCH PLATE	PC					

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MINISTRY OF PUBLIC WORKS
SUBDIVISIONS OF BUREAUS OF CONSTRUCTION MATERIALS

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