APPENDIX 1

CENTRAL PUBLIC WORKS DEPARTMENT (CPWD) PLINTH AREA RATES OF VARIOUS TYPE OF CONSTRUCTIONS AS ON OCTOBER 1, 1976 WITH SPECIFICATIONS

MEMORANDUM

Plinth area rates as applicable on Oct. 1, 1976 were circulated under Memo No. SSW(NDZ)/SWV/PW-674/165 dated March 7, 1977 along with specification and proforma for cost index. A re-edited version of the same was circulated under Memo no. SSW(NDS)/SWV/674/763 dated Nov. 21, 1977. Some changes in plinth area rates were circulated under Memo no. SSW/(NDS)/SWV/674/618 dated Sept. 1, 1978. Rates for development of areas were also revised under Memo No. SSW(NDZ)/SWV/674/731 dated Oct. 16, 1978.

Some further changes have been approved in view of the changed classification if residential quarters and reduction in plinth area. Circular no. SSW(NDZ)/SWV/PW-674/165 dated March 7, 1977 has been updated and hereby issued.

Annexure I: The updated version of the plinth area rates with base on Oct. 1, 1976.

Annexure II: The broad specifications and scale of amenities sanitary fittings for which the plinth area rates apply.

Annexure III: Proforma for calculating cost index.

Annexure IV: Copy of Memo no. 29/21/58/-WI of 10/58 indicating the rules for working out the plinth area from plans which shall be observed while adopting the plinth area rates given in Annexure I.

Relevant cost indexes with reference to base 100 on Oct. 1, 1976 would continue to be applicable on the plinth area rates.

Encl: Standard plinth area rates schedule Oct. 1, 1976.

[No SSW(NDZ) SWI/ASW/97/1377, New Delhi, the 7th July, 1979]

PLINTH AREA RATES AS ON OCT. 1, 1976

(Rates in rupees per square metre) SI. Description Offices Hospi- Schools Hostels Residential No. and tals Type A,B, Type E Colleges C,D, & and Servant's above Quarters 1 2 3 4 5 7 6 8 1. R.C.C. Framed Structures 1.1 R.C.C. framed structure up to 6 storeys. 1.1.1. Floor height 3.35 m (11'-0"). 400 400 365 1.1.2 Floor height 2.9 m (9'-6"). 375 385 1.2 Extra for-1.2.1 Every additional storey over 6 storeys up to 9 storeys. 7 7 7 7 7 1.2.2 Every additional storey over 9 storeys and up to 12 storeys. 10 10 10 10 10 1.2.3 Every 0.30 m additional height of floor above normal floor height 3.35/2.9. 17 17 17 17 17 1.2.4 Every 0.30 m higher plinth over normal plinth height of 0.60 m (2'-0") (on ground floor area only). 17 17 17 17 17 1.2.5 Every 0.30 m deeper foundations over normal plinth depth of 1.20 (4'.0") (on ground floor area only). 17 17 17 17 17 1.2.6 Making stronger foundations to take load of one additional floor at a later date (on area of additional floor at a later date). 50 50 50 50 50 1.2.7 Strip foundations in poor soil having bearing capacity less than 10 tonnes/sq.m. 15 15 15 15 15 1.2.8 Resisting earthquake forces. 34 34 34 34 34 1.2.9 R.C.C. raft foundations. 60 60 60 60 60 1.2.10 Pile foundations up to a depth of 15 m (50' - 0") 84 84 84 84 84 1.2.11 Stronger structural members to take heavy loads above 500 kg/sq. m. upto 1000 kg/sqm. 26 26 26 26 26 1.2.12 Larger modules over 35 sq. m. (400 sq. ft.) 30 30 30 30 30 1.2.13 Termite proof treatment (on ground floor area only) 9 9 9 9 9 1.2.14 Fire fighting. 25 25 25 25 25 1.2.15 O.P.D. operation theatres, etc. 65 Basement floor, floor height 3.35 m (11'-0") with normal provision of waterproofing treatment with bitumenous felt. 550 550 1.4 Extra for basements with— Mastic asphalt waterproofing treatment. 60 60 Every 0.30 m additional height above normal height of 3.35 m (11'-0"). 67 67 Reduction for every 0.30 m less height of basement than normal height of 3.35 m (11'-0"). (-)38(-) 38 2. Load Bearing Construction Floor height 3.35 m (11'-0") 2.1.1 Single storeyed. 355 355 310 2.1.2 Double storeyed. 340 340 290 2.1.3 Three storeyed. 355 355 310 2.1.4 Four storeyed. 375 375 325

1			2	3	4	5	6	7	8
2.2	Floor	height 2.	9 m (9'-6")			2/			
	2.2.1	2.2.1 Single storeyed.			-	-	315	275	325
	2.2.2	Double	storeyed.	_		-	300	260	310
	2.2.3	Three s	storeyed.	-	-		315	275	325
	2.2.4	Four st	oreyed.	-	-	ā	330	290	340
2.3	Scoot	er and cy	cle sheds.	4	-	-	12	250	250
2.4	Garag	ges.		-	-	-		235	235
2.5	Extra	for-							
	2.5.1		0.30 m additional height of floor above normal 3.35/2.9 m.	10	10	10	10	10	10
	2.5.2		n.30 m higher plinth over normal plinth height m (2'-0") on ground area only.		10	10	10	10	10
	2.5.3		0.30 m deeper foundations over normal depth m (4'-0") on ground floor area only.	12	12	12	12	12	12
	2.5.4 Making stronger foundations to take load of or additional floor at a later date (on area of addi floor at a later date).		nal floor at a later date (on area of additional						
				25	25	25	25	25	25
. 10	2.5.5 Foundations in poor soils.								
		2.5.5.1	Foundations on poor soil having bearing capacity less than 10 tonnes/sq.m.	15	15	15	15	15	15
		2.5.5.2	Foundations requiring under-reamed piles 6 m. long.	68	68	68	68	68	68
	2.5.6	Resistin	g earthquake forces.						
		2.5.6.1	In Zone V.	25	25	25	25	25	25
		2.5.6.2	More than two-storeyed building in Zone III & IV.						a DP
			(a) With a design seismic coefficient greater						
			than 0.06.	12.50	12.50	12.50	12.50	12.50	12.50
			(b) Design seismic coefficient equal to or less than 0.06.	12.50	12.50	12.50		1.50* ra cost co ing of RCC	1.50* vers full Slab only)
		2.5.6.3	Zone I & II and less than 3 storeyed buildings in Zone III & IV.	_	10	_	-		
	2.5.7	R.C.C ra	off foundations.	60	60	60	60	60	60
	2.5.8	Pile four	ndations up to a depth of 15 m.	84	84	84	84	84	84
	2.5.9		structural members to take heavy loads 00 kg./sq. m. up to 1000 kg./sq. m.	26	26	26	26	26	26
	2.5.10		nodules over 3.35 sq. m. (400 sq. ft.)	30	30	30	30	30	30
	2.5.11		proof treatment (on ground floor area only).	9	9	9	9	9	9
	2.5.12			25	25	25	25	25	25
	2.5.13	O.P.D., c	operation theatres, etc.	-	65	_	-		

Note: Rates for items are applicable on entire plinth area except for items 1.2.4, 1.2.5, 1.2.6, 1.2.13, 2.5.2, 2.5.3, 2.5.4, 2.5.11.

	Si.	Description	Offices &	Hospital	3 Denovis	Hosters			Residentia		
	No.		Colleges				Α	В	C	D	E
	1	2	3	4	5	6	7	- 8	9	10	11
		Vi	ide SSW(N	IDZ)/SW	V/674/618	dated Sep	t. 1, 1978	3			
3.	Serv	rices									
	3.1	Internal water supply and sanitary installations.	4%	10%	5%	15%	2000/-	2100/-	2500/-	2950/-	6000/-
						(with attached					
						toilets)					
						10% with					
						common (toilets)					
	3.2	External service connections.	5%	5%	5%	5%	5%	5%	5%	5%	5%
	3.3	Internal electric installations	12.5%	12.5%	12.5%	12.5%		1350/-	2000/-	3000/-	5700/-
	3.4	Internal electric installations	12.5 /6	12.576	15% of	12.576	1250/-	1550/-	2000/-	30007	37007-
	3.4	for laboratories of schools.		je B	bldg. cost			7	ē	i.	
	3.5	Internal electric installation	15% of	-	-		-	-	-	-	7 ·
		for terminal building and other allied structures in	bldg. cost								
		airports.	COSC								
	3.6	Extra for—									
		3.6.1 Power wiring and plugs	. 4%	4%	<u> 1</u> 894	•	2		Ψ.,		-
		3.6.2 Central Call bell system.	1%		1,-	_		_	-	- . ^	-
		3.6.3 Lightening conductors:			01	V.,				1	
		(a) Upto 4 storeyed.									
		buildings.	0.5%	0.5%	0.5%	-	3. 2	-	2	121	-
		(b) 5 to 8 storeyed buildings.	0.33%	0.33%	0.33%	-	-	-	-	-	-
		(c) Beyond 8 storeyed									
		buildings.	0.25%	0.25%	0.25%	-	,-	-	-	-	-
× ;		3.6.4 Telephone conduits.	0.5%	0.5%	0.5%	-	-	-	•	-	-
a)	3.7	Passenger Lifts	u	Init i	8-Passenger Capacity		ssenger acitý		assenger pacity		nssenger pacity
		3.7.1 Lifts for 8 floors						-			
		(a) Speed 0.7 m/secon	nd E	ach	1,25,000	1,40	0,000		-		2
		(b) Speed 1.0 m/secon	nd E	ach	1,50,000	1,60	0,000	1,9	0,000	2,2	0,000
		(c) Speed 1.5 m/secon	nd E	ach	1,80,000	2,10	0,000	2,3	0,000	2,5	0,000
		(d) Speed 2.5 m/secon	nd E	ach	2,70,000	3,00	0,000	3,5	0,000	4,0	0,000
		(e) Add/deduct for ea floor more/less that									
		8 floors.	E	ach	10,000	12	2,000	1	5,000	. 2	0,000
	3.8	Goods lift		ι	lpto 4 floors	•	E		very addit vve 4 flooi		
		3.8.1 Upto two tonnes.	E	ach	1,40,000			•	8,000		
		3.8.2 More than two tonnes but up to 4 tonnes.	E	ach	2,20,000			. 1	2,000		

Offices & Hospitals Schools

Hostels

Residential

Description

SI.

Note: % means percentage of building cost.

S. No.	Description	Rate in rupees
4. Wa	ter tanks	
4.1	Overhead tank without independent staging.	0.65 per litre
4.2	Overhead tank up to staging height 20 m.	1.10 per litre
4.3	Overhead tank with staging height between 20 and 30 m.	1.25 per litre
4.4	Overhead tank with staging height between 30 and 40 m.	1.50 per litre
4.5	Underground sump	0.65 per litre
. Dev	velopment of site	# # WX
5.1	Levelling.	1.50 per square metre
5.2	Internal roads and paths.	4.65 per square metre
5.3	Sewers.	3.35 per square metre
5.4	Filtered water supply	and the second
	5.4.1 Distribution lines 100 mm dia and Less.	2.45 per square metre.
30	5.4.2 Peripherial grid 150 mm to 300 mm dia pipes.	1.85 per square metre
	5.4.3 Unfiltered water supply distribution lines.	1.40 per square metre
5.5	Storm water drains	5.00 per square metre
5.6	Horticulture operation .	2.50 per square metre
5.7	Street lighting.	
	5.7.1 With incandescent lamps.	0.35 per square metre
	5.7.2 With incandescent lamps and with high pressure mercury vapour lamps/ flourescent lamps in important places.	0.80 per square metre
	5.7.3 Completely with high pressure sodium vapour lamps or flourescent lamp.	1.30 per square metre
5.8	H.T. Sub-station and L.T. distribution (to be provided in areas where expected electric load is such that electric company will not give L.T. supply).	2.60 per square metre

Note:

- 1. The rates are per square metre and are to be applied on the entire area of the plot to be developed.
- 2. These rates will apply to normal conditions and normal layout plans. If any extras are required due to nature of labour involving filling, cutting or services from large distances, then additional provision should be made.
- 3. Cost of bulk services (water supply, sewage disposal, etc.)
 - (i) Tubewells, pumps, open walls, treatment plant, extension of lines from source of local bodies head works at water source, etc.
 - (ii) Sewage pumps, sewage treatment plants, septic tanks, extension of cut fall sewer up to point of disposal, etc. are not included in these rates. Extra provision depending upon site condition may be made for these.

SPECIFICATIONS FOR BUILDINGS I. NON-RESIDENTIAL

S.No.	Description	Item No.	Office	Hospital	School
1.	Foundations	1.1 1.2 1.3	Bearing capacity 10 tonnes/ Type—spread foundations-is Depth—up to 1.2 m below g	solated/combined.	
2.	Superstructure	2.1		with filler walls in brick work o ntermediate columns where fou	
		2.2	Internal partition in brick m		
		2.3	R.C.C. Chajjas, fins, jalis, etc		
3.	Doors and	3.1	Frames of 2nd class Indian t	teakwood or equivalent.	
Э.	windows	3.2		e in 2nd class teakwood or flush	door with commercial ply.
	Williadws	3.3	Window shutters 2nd	Window shutters 2nd class	Window shutters 2nd
		0.0	class Indian teakwood or	Indian teakwood. Flyproof shutters for all doors & win-	class Indian teakwood. or
			Steel windows	dows and iron grills for win- dows in ground floor shall	Steel windows.
				be provided for which provi- sion for extra rate will be	
				made. or	
	14			Steel windows.	
		3.4	Fittings.	Anodised aluminium or equivalent.	
4.	Flooring	4.1	Main entrance hall	Main entrance hall terrazo	Main entrance halls, stair-
			terrazo tiles, kotah stone	tiles, kotah stone and the	cases, lavatory block in-situ
			and the like Lavatory	like. Lavatory blocks,corri-	mosaic.
			blocks and corridors &	dors & other rooms except	
			some officers room. Mosaic limited up to	stores, weather maker rooms, etc. mosaic flooring with dado	
			25% of total area.	up to 7'-0" height in corri-	
				dors and up to sill level in	
				other rooms. The flooring and	
				dado to be limited to 50% in	
				ordinary cement and 50% in white cement.	
		4.2	Rest of the area ordinary cement concrete	Rest of the area ordinary cement concrete	Rest of the area ordinary cement concrete
5.	Roofing	5.1	Insulation for air-conditioning foam concrete.	Insulation for air-condition- ing foam concrete.	
		5.2	Filling for drainage lime	Filling for drainage lime	Filling for drainage lime cor
		J.2	concrete	concrete.	crete finished with brick tile
		5.3	Waterproofing treatment	Waterproofing treatment	Waterproofing treatment
	9		4 course treatment finished with brick tiles.	4 course finished with brick tiles.	4 course treatment finished with brick tiles.
6.	Finishing	6.1	External—water proofing cement paint.	External—water proofing cement paint.	External—waterproofing cement paint.
		6.2	Internal-Officers rooms	Internal—dry distemper in	Internal—entrance hall,
			and important rooms such	doctors' room, operation	Principals room, Profe-
			as committee rooms dry	theatre and other important	sessors room, committee room etc., dry distemper.
			distemper to be limited up to 25% of the total	rooms, X-ray rooms, etc. limited upto 25% of total	Rest of the area white
			area. Rest either colour	area. Rest either colour or	or colour wash.
			or white wash. Main	white wash. Main entrance	
			entrance hall plastic	hall, O.P.D., plastic emulsion	
			emulsion paint or the like.	paint or the like.	D
		6.3	Doors & windows	Doors & windows	Doors & windows
			-Painting.	-Painting	-Painting.

II. RESIDENTIAL

Item No.	Type A, B, C, D & Servants quarters	Туре Е	Hostels
1.1	Bearing capacity—10 tonnes per square metre.		
1.2	Type—spread foundations in R.C.C. isolated/combined, continuous wall footing with lean concrete.		
1.3	Depth-up to 1.2 m below ground level.	•	
2.1	R.C.C. framed construction with filler walls in brick work or load bearing construction in brick/stone masonry with intermediate columns where found necessary.		
2.2	Internal partition—half brick masonry in cement mortar 1:4.		6. 11
3.1	Frames: 1st class kail wood or 2nd class deodar wood, or mild steel.	2nd class teak-wood or 1st class deodar wood or mild steel.	
3.2	Shutters: 1st class kail wood or 2nd class deodar wood.	2nd class Indian teak wood or commercial ply flush door.	
3.3	Fittings: Oxidised iron	Anodised aluminium in external doors, internal doors, internal doors oxidised iron.	Same as for type E.
4.1	Cement concrete flooring 1:2:430 mm thick (40 mm in sleeping balcony). Specification for flooring of type D is same as type E.	Mosaic flooring in living room, dining drawing, bath & W.C. Rest cement concrete.	Mosaic flooring in the entrance halls, staircase lavatory blocks. Rest cement concrete.
	Dado shall be 15 cm high in W.C's and 90 cm high in bath-room except in the shower portion where it shall be up to 150 cm high.		Dado in lavatory blocks up to 2 m high mosaic.
	In types A, B, C it shall be in cement plaster and in types D & E in mosaic.		
5.1	Mud phuska or like concrete finished with tiles—applicable to all.		
6.1	External—colour wash	External—colour wash	Colour wash.
6.2	Internal—white wash	Internal—distempering in dining & drawing bedrooms & study room and white washing in rest.	Distempering in entrance hall & white or colour washing in rest of the areas.

III. REVISED SCALES OF AMENITIES FOR GENERAL POOL RESIDENTIAL QUARTERS

	0.	Description	Туре А	Туре В	Туре С	Type D	Туре Е
1.	Kito	chen	Built in fixtures				
	(i)	Open shelves in tiers not more than 100 mm wide along one wall 1" thick.	Yes	Yes	Yes	Yes	Yes
	(ii)	Sunken floors (in Kitchen)	One	One	One In addition a white glazed kitchen sink be provided	One Same as for type C	One Same as for type D
					with drain board of same mate- rial as working platform.		
	(iii)	Dado 1'—0" high along working platform and up to window sill level around sink floors.	Yes	Yes	Yes	Yes	Yes
	(iv)	Built in cupboard with shelves & shutters (300 mm depth) below window sill level of cooking platform along	. .	-		One	One
	()	one wall.					
	(v)	Cooking platform standing.	Yes	Yes	Yes Depending upor	Yes local habit of pe	Yes ople.
	Note	a Unlace the habite of the	11				
•	Oth		people warrant th	ey may not be p	provided in type I qu	uarters.	
2.		er rooms			1.		One in
2.	Othe (i)		One in living room.	One in living room.	One in living I que living room.	One in living room.	One in store room.
2.		er rooms Built in open cupboard with shelves not excee-	One in living	One in living	One in living	One in living	store
2.	(i) (ii)	Built in open cupboard with shelves not exceeding 1100 mm in width. Built in cupboard with wooden shelves & shutters not exceeding	One in living	One in living room. One in one bed-	One in living room. One in one bed-	One in living room. Two in two bed-	store room. Three in three bed- rooms Yes in store- room & in servants'
2.	(ii) (iii)	Built in open cupboard with shelves not exceeding 1100 mm in width. Built in cupboard with wooden shelves & shutters not exceeding 1100 mm in width. 25 mm thick shelves. (not more than 400 mm	One in living	One in living room. One in one bed-	One in living room. One in one bedroom. Yes in store-room,	One in living room. Two in two bedrooms. Yes in store-room,	store room. Three in three bed- rooms Yes in store- room & in servants' quarters along
2.	(ii) (iii)	Built in open cupboard with shelves not exceeding 1100 mm in width. Built in cupboard with wooden shelves & shutters not exceeding 1100 mm in width. 25 mm thick shelves. (not more than 400 mm wide). Storage space above cupboard in bedroom	One in living	One in living room. One in one bed-	One in living room. One in one bedroom. Yes in store-room, if provided	One in living room. Two in two bedrooms. Yes in store-room, if provided	store room. Three in three bedrooms Yes in store-room & in servants' quarters along one wall
2.	(i) (ii) (iii) (iv)	Built in open cupboard with shelves not exceeding 1100 mm in width. Built in cupboard with wooden shelves & shutters not exceeding 1100 mm in width. 25 mm thick shelves. (not more than 400 mm wide). Storage space above cupboard in bedroom (open).	One in living	One in living room. One in one bed-	One in living room. One in one bedroom. Yes in store-room, if provided One One Yes with pelmets for drawing dining only & without pel-	One in living room. Two in two bedrooms. Yes in store-room, if provided	store room. Three in three bedrooms Yes in store-room & in servants' quarters along one wall One
2.	(i) (ii) (iii) (iv) (v) (vi)	Built in open cupboard with shelves not exceeding 1100 mm in width. Built in cupboard with wooden shelves & shutters not exceeding 1100 mm in width. 25 mm thick shelves. (not more than 400 mm wide). Storage space above cupboard in bedroom (open). Judes eye in front door.	One in living	One in living room. One in one bed-	One in living room. One in one bedroom. Yes in store-room, if provided One One Yes with pelmets for drawing dining only	One in living room. Two in two bedrooms. Yes in store-room, if provided One One	store room. Three in three bed- rooms Yes in store- room & in servants' quarters along one wall One One
2.	(i) (ii) (iii) (iv) (v) (vi)	Built in open cupboard with shelves not exceeding 1100 mm in width. Built in cupboard with wooden shelves & shutters not exceeding 1100 mm in width. 25 mm thick shelves. (not more than 400 mm wide). Storage space above cupboard in bedroom (open). Judes eye in front door. Curtain roads.	One in living room.	One in living room. One in one bedroom	One in living room. One in one bedroom. Yes in store-room, if provided One One Yes with pelmets for drawing dining only & without pelmets for others.	One in living room. Two in two bedrooms. Yes in store-room, if provided One One Yes same as type C.	store room. Three in three bed- rooms Yes in store- room & in servants' quarters along one wall One One Yes with pelmets

REVISED SCALES OF SANITARY FITTINGS IN GENERAL POOL RESIDENTIAL QUARTERS

S.No	Description	Type A	Туре В	Туре С	Type D	Type E
1.	Indian type W.C. with overhead flushing.	One	One	One	One 1+1 (for servants quarters)	
2.	European type W.C. with high level flushing distern.	· -	7	-	One	One
3.	Washbasin with one tap each.		-	One (15" × 12" size) 450 mm × 300 mm	One (18" × 14" size) 550 mm × 400 mm	One (18" × 14" size) 550 mm × 400 mm
4.	Tap (kitchen, bath & W.C.).	Three	Three	3+1 (for sink)	3+1 (for sink)	5+2 (for servants' quarters) One for inner fitting.
5.	Showers.	(-)	One	One	One	Two
6.	Towel rail.	ię.	- 4 ²	<u>-</u>	One	One towel ring outside near the wash-basin.
7.	Mirror.	0-0	-	One	One	Two
8.	Glass shelf 24" × 5" or nitch depending upon thickness of wall where constructed.	(<u>-</u>)	. -		One	Two
9.	Soap rack (nitch in W.C. Bath).	One	One	One	One	One
10.	Storage tank.	One	One	One	One	One

IV. REVISED SCALES OF ELECTRICAL FITTINGS FOR GENERAL POOL RESIDENTIAL QUARTERS

S.No	. Description	Type A	Type B	Type C	Type D	Type E	Remarks
			Ele	ctrical			
1.	Power points.		One	One in kitchen, one in living room.	Three (one in kitchen, one in drawing & one in dining room).	Four (one each in kitchen drawing, dining and bedroom).	
2.	Fans (ceiling).	One point with one fan.	Two points with one fan.	Three points with three fans.	Five points with four fans.	Seven points with five fans.	
	Door call bell (mini bazar).		2 N	One	One	One	
4.	Power meter.	<u>.</u>	One	One	One	One	
5.	Electrical meter.	One	One	One	One	One	•
6.	Type of wiring.	Surface wiring within the cost limitation of 10%.	Same as for type A	Same as for Type A.	Concealed conduit pipe.	Concealed conduit pipe.	
	Telephone connection.	-	- " "	-	One	One	
٠8.	Light points.	4	7	10	12	17	
9.	Plug points.	_ **	2	4	5	7	

PROFORMA FOR CALCULATING COST INDEX

	R TR		***	***
Δ		IHXI	JRE	
-	TAIL			

S. No.	Description	Unit	Rate at New Delhi corre- sponding to	Rate at the station at the time of revising	Percentage Increase	Weightage	Cost index
			base 100	cost index			
(T)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	Materials						
1.	Bricks	1000 number	106.15			16	
2.	Sand	cu. m.	21.92			5	
3.	Cement	Quintal	35.28			21	
4.	Aggregate	cu. m.	27.10			6.5	
5.	Timber	cu. m.	2021.00			18	
6.	Mild Steel	Quintal	183.20			10	
	Labour						
7.	Mason	Each	9.89			8.5	
8.	Carpenter	Each	9.89			4	
9.	Coolie/Beldar	Each	4.11			11	