

**QUOTE FOR LABOUR RATE CONTRACT WORKS FOR THE WORK OF RENOVATION & UPGRADATION
OF SELF SUFFICIENCY PROJECT OF MPEDA IN VALLARPADAM AT COCHIN**

Sl. No.	Item of Work	Unit	Rate (in Rs.)	Remarks
<u>CIVIL WORKS</u>				
1	<u>EARTH WORK EXCAVATION</u>			
A	Earth work in surface excavation including disposal of excavated earth, disposed earth to be levelled and neatly dressed as per CPWD technical specifications / as specified by the Engineer - In Charge	100 Sq.M		
i	ALL kinds of soil (excluding rock)			
ii	for ordinary Rock (by mechanical means)			
B	Earth work excavation for foundation trenches including dressing of sides and ramming of bottoms and disposal of excavated earth as per CPWD technical specifications / as specified by the Engineer - In Charge	Cu. M		
i	ALL kinds of soil (excluding rock)			
ii	for ordinary Rock (by manual means)			
C	Earth work excavation (for Narrow trenches - Electrical Cabling and Plumbing Lines, exceeding 80mm and not exceeding 300mm dia laying) including refilling the excavated earth (excluding Rock) and disposal of excess excavated earth, as per CPWD technical specifications / as specified by the Engineer.	M		
a	Pipess, cables etc, not exceeding 80 mm dia			
i	ALL kinds of soil (excluding rock)	Rmt		
ii	for Rock	Rmt		
iii	Bitumen Road/Cement Concrete	Rmt		
b	Pipess, cables etc, exceeding 80 mm dia but not exceeding 200 mm dia			
i	ALL kinds of soil (excluding rock)	Rmt		
ii	for Rock	Rmt		
iii	Bitumen Road/Cement Concrete	Rmt		
c	Pipess, cables etc, exceeding 200 mm dia but not exceeding 300 mm dia			
i	ALL kinds of soil (excluding rock)	Rmt		
ii	for Rock	Rmt		
iii	Bitumen Road/Cement Concrete	Rmt		
2	<u>River Sand Filling</u>			

	Filling with river sand under P.C.C, R.C.C, in plinth etc. Including watering, ramming consolidating and dressing complete as per CPWD technical specifications / as specified by the Engineer - In Charge.	Cu. M		
3	Crusher/Stone Dust/Quarry waste Filling			
	Filling with Crussher/Stone/Quarry Dust under P.C.C, R.C.C, in plinth etc. Including watering, ramming consolidating and dressing complete as per CPWD technical specifications / as specified by the Engineer - In Charge.	Cu. M		
4	<u>BACK FILLING</u>			
	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundation etc.,in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming & watering as per CPWD technical specifications / as specified by the Engineer - In Charge	Cu. M		
5	<u>CONCRETE P.C.C</u>			
i	Laying of cement concrete of specified grade in position as per CPWD technical specifications / as specified by the Engineer - In Charge. - upto Plinth			
a	C.C 1:4:8 (One cement : Four Coarse sand : Eight Graded stone aggregate 40mm nominal size)	Cu. M		
b	C.C 1:3:6 (One cement : Three Coarse sand : Six Graded stone aggregate 40mm/20mm nominal size)	Cu. M		
c	C.C 1:2:4 (One cement : Two Coarse sand : Four Graded stone aggregate 20mm nominal size)	Cu. M		
ii	Laying of cement concrete of specified grade in position as per CPWD technical specifications / as specified by the Engineer - In Charge. - Above Plinth upto floor V level.			
a	C.C 1:4:8 (One cement : Four Coarse sand : Eight Graded stone aggregate 40mm nominal size)	Cu. M		
b	C.C 1:3:6 (One cement : Three Coarse sand : Six Graded stone aggregate 40mm/20mm nominal size)	Cu. M		

c	C.C 1:2:4 (One cement : Two Coarse sand : Four Graded stone aggregate 20mm nominal size)	Cu. M		
6	<u>CONCRETE R.C.C</u>			
	Laying of Reinforced cement concrete in position machine mixed, machine vibrated cement concrete in the grade of 1:1.5:3 (1 cement : 1.5 course sand : 3 graded stone aggregate 20mm nominal size) and as per CPWD technical specifications / as specified by the Engineer - In Charge			
a	Footing concrete	Cu. M		
b	Raft slab	Cu. M		
c	Stiffner wall	Cu. M		
d	Wall	Cu. M		
e	Grade beam	Cu. M		
f	Column	Cu. M		
g	Roof slab & beam	Cu. M		
h	Lintel cum sunshade	Cu. M		
i	Staircase (including spairal staircase)	Cu. M		
7	<u>PRE - CAST CEMENT CONCRETE R.C.C</u>			
	Laying and fixing upto floor V level of reinforced Pre - Cast cement concrete of machine mixed and machine vibrated in the grade, size & shape as per CPWD technical specifications / as specified by the Engineer - In Charge.	Cu. M		
8	<u>REINFORCEMENT</u>			
	Reinforcement for RCC work including staightening, cutting, bending, placing in position and binding all complete as per CPWD technical specifications / as specified by the Engineer - In Charge	Kg		
	All kinds of RCC works			
9	<u>FORM WORK</u>			

	Centering and shuttering including strutting propping etc., and removal of form work form as per CPWD technical specifications / as specified by the Engineer - In Charge. The rate shall includes the shuttering materials such as Plywood, wooden planks, rafters, props etc	Sq. M		
a	Footing concrete	Sq.m		
b	Raft slab	Sq.m		
c	Stiffner wall	Sq.m		
d	Wall	Sq.m		
e	Grade beam	Sq.m		
f	Column	Sq.m		
g	Roof slab & beam	Sq.m		
h	Lintel cum sunshade	Sq.m		
i	Staircase (including spairal staircase)	Sq.m		
10	<u>BRICK WORK</u>			
a	Construction of 9" bricks wall using F.P.S brick of class designation 75 / 1st class including prepration of cement mortar 1:4 or 1:6 as per CPWD technical specifications / as specified by the Engineer - In Charge. The rates shall including scaffolding etc., complete in all respects	Cu. M		
	upto Plinth			
	above Plinth			
b	Construction of solid cement concrete block masonry walls of 200mm thick using locally available best blocks of approved size and quality with compressive strength not less than 50 Kg/sq.cm in cement mortar 1:5 (1part of cement : 5 part of coarse sand) including racking joints, scaffolding, curing etc., complete in all respects	Cu. M		
	upto Plinth			
	above Plinth			

c	Construction of Half brick wall (4.5") including preparation of cement mortar 1:3 or 1:4 reinforced with 2Nos. 6mm dia M.S rods at every 5th course , the rod continued into the adjoining wall/column to a length of 15-20 cm or full thickness	Sq. M		
	upto Plinth			
	above Plinth			
11	<u>PLASTERING</u>			
i	Plastering the new walls in c.m 1:4 with necessary scaffolding etc., complete in all respects			
a	12 mm thick	Sq. M		
b	15 mm thick	Sq. M		
c	20 mm thick	Sq. M		
d	Ceiling	Sq. M		
ii	Plastering the new walls with neat/floating coat in c.m 1:4 etc., complete in all respects			
a	12 mm thick	Sq. M		
b	15 mm thick	Sq. M		
c	20 mm thick	Sq. M		
d	Ceiling	Sq. M		
iii	Plastering the new walls with neat/floating coat in c.m 1:3 etc., complete in all respects			
a	6 mm thick	Sq. M		
iv	Scrapping & Cleaning of old plasterd surface with necessaary scaffolding and replastering the walls in c.m 1:4 as per CPWD technical specifications / as specified by the Engineer - In Charge	Sq. M		
a	6 mm thick	Sq. M		
b	12 mm thick	Sq. M		
c	15 mm thick	Sq. M		
d	20 mm thick	Sq. M		
e	Ceiling	Sq. M		

v	Scrapping & Cleaning of old plastered surface with necessaary scaffolding and replastering the walls with neat /floating coat in c.m 1:4 as per CPWD technical specifications / as specified by the Engineer - In Charge	Sq. M		
a	6 mm thick	Sq. M		
b	12 mm thick	Sq. M		
c	15 mm thick	Sq. M		
d	20 mm thick	Sq. M		
e	Ceiling	Sq. M		
vi	Scrapping & Cleaning of old plastered surface with necessaary scaffolding and replastering the walls with neat /floating coat in c.m 1:4 after using PVC/FRP chicken mesh with packing/rough plastering by 6mm chips in C.M 1:3 and as per CPWD technical specifications / as specified by the Engineer - In Charge			
a	6 mm thick	Sq. M		
b	12 mm thick	Sq. M		
c	15 mm thick	Sq. M		
d	20 mm thick	Sq. M		
e	Ceiling	Sq. M		
vii	Scrapping & Cleaning of old reinforced cement concrete structures / surface & reinforcment bars with necessaary centering & Shuttering, scaffolding and relayng of cement concrete in mix of 1: 1.5 : 3 with using PVC/FRP /MS/GI chicken mesh with packing by 6mm aggregate/baby chips mix of 1:1:2 and as per CPWD technical specifications / as specified by the Engineer - In Charge	Sq. M		
a	Columns	Sq. M		
b	Beams	Sq. M		
c	Roof ceiling	Sq. M		

d	Sunshade & Landings	Sq. M		
12	FLOORING			
a	Scrapping & cleaning of existing floor surface and reflooring with 52mm thick Cement concrete flooring with concrete hardner topping under layer 40 mm thick cement concrete 1:2:4 (one cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) and top layer 12 mm thick cement hardner consisting of mix 1:2 (1 cement hardner mix : 2 graded stone aggregate 6 mm nominal size) finished with slurry., complete as per CPWD	Sq. M		
b	Scrapping & Cleaning of existing floor and laying the 1st quality ceramic glazed floor tiles size of 600 x 600mm in C.M 1:4 (one cement : 4 coarse sand) including pointing the joints with white cement etc., complete. as per CPWD technical specifications	Sq. M		
c	Scrapping & Cleaning of existing plastered wall and laying ceramic glazed tiles for skirting of 100mm height with 12mm thick base mortor of C.M 1:3 (one cement : 3 coarse sand) including pointing the joints with white cement etc., complete. The rate including curing etc.,	Sq. M		
d	Scrapping & Cleaning of existing plastered wall and laying with 1st quality ceramic glazed wall tiles in C.M 1:3 (one cement : 3 coarse sand) including pointing the joints with white cement etc., complete. as per CPWD technical specifications / as specified by Engineer - In - Charge	Sq. M		
e	Scrapping & Cleaning of existing floor and laying with 1st quality vitrified joint free glazed floor tiles size of 600 x 600mm in C.M 1:4 (one cement : 4 coarse sand) including pointing the joints with white cement etc., complete. as per CPWD technical specifications / as specified by Engineer - In - Charge	Sq. M		

f	Scrapping & Cleaning of existing plastered wall and laying ceramic glazed tiles for skirting of 100mm height with 12mm thick base mortar of C.M 1:3 (one cement : 3 coarse sand) including pointing the joints with white cement etc., complete. The rate inclu	Sq. M		
g	Scrapping & Cleaning of existing plastered wall and laying of cement skirting of 100mm height with 12mm thick base mortar of C.M 1:3 (one cement : 3 coarse sand)with a floting coat of neat cement etc., complete. as per CPWD technical specifications / as specified by the Engineer - In Charge	Sq. M		
13	<u>PAINTING NEW WORKS</u>			
i	Whitewashing the walls to give an even shade with "Snow cem Plus" or equivalent as per CPWD technical specifications / as specified by the Engineer - In Charge	Sq. M		
a	Ceiling Whitewash			
b	Wall			
ii	Finishing walls with texured exterior paint sandex mat as per CPWD technical specifications / as specified by the Engineer - In Charge	Sq. M		
iii	Painting with primer on galvanised Iron/Mild Steel Sections as per CPWD technical specifications / as specified by the Engineer - In Charge	Sq. M		
iv	Painting with synthetic enemal paint to give an even shade on galvanised Iron/Mild Steel Sections. as per CPWD technical specifications / as specified by the Engineer - In Charge	Sq. M		
v	Painting with epoxy primer coat. as specified by the Engineer - In Charge			
a	For wall	Sq. M		
b	For Floor	Sq. M		
vi	Painting with epoxy finishing coat. as specified by the Engineer - In Charge			

a	For wall	Sq. M		
b	For Floor	Sq. M		
14	<u>PAINTING OLD WORKS</u>			
i	Scrapping & Cleaning old painted surface with necessaary scaffolding and whitewashing to give an even shade with "Snow cem Plus" or equivalent as per CPWD technical specifications / as specified by the	Sq. M		
a	Ceiling Whitewash			
b	Wall			
ii	Scrapping & Cleaning old painted surface with necessaary scaffolding and Finishing walls with textured exterior paint sandex matt as per CPWD technical specifications / as specified by the Engineer - In Charge	Sq. M		
iii	Scrapping & Cleaning old painted surface with necessaary scaffolding and Painting with primer on galvanised Iron/Mild Steel sections as per CPWD technical specifications / as specified by the Engineer - In Charge	Sq. M		
iv	Scrapping & Cleaning old painted surface with necessaary scaffolding and Painting with synthetic enemal paint for roof truss to give an even shade as per CPWD technical specifications / as specified by the Engineer - In Charge.	Sq. M		
v	Scrapping & Cleaning old painted wooden roof rafters, purlins surface with necessaary scaffolding and Painting with wood enemal paint as per CPWD technical specifications / as specified by the Engineer - In Charge.	Sq. M		
vi	Scrapping & Cleaning old painted wooden roof rafters, purlins surface with necessaary scaffolding and Painting with Antitermite paint and primer coat as per CPWD technical specifications / as specified by the Engineer - In Charge.	Sq. M		

vii	Scrapping & Cleaning old painted on wall surface and painting with Epoxy paint Primer coat as specified by the Engineer - In Charge	Sq. M		
g	Scrapping & Cleaning old painted on wall surface and painting with Epoxy paint Finishing coat as specified by the Engineer - In Charge	Sq. M		
15	<u>FABRICATION WORK</u>			
a	Fabrication of Structural steel work riveted, bolted or welded in built up sections, trusses and framed works including cutting, hoisting, fixing in position and applying a priming coat of approved steel anti corrosive primer paint etc., all complete as per CPWD technical specifications / as specified by the Engineer - In Charge			
i	Tubular Truss	Kg		
ii	Angle Truss	Kg		
b	Repair and refabrication of Structural steel work riveted, bolted or welded in built up sections, trusses and framed works including cutting, hoisting, fixing in position and applying a priming coat of approved steel anti corrosive primer paint etc., all complete as per CPWD technical specifications / as specified by the Engineer - In Charge			
i	Tubular Truss	Kg		
ii	Angle Truss	Kg		
c	Fabrication of aluminium work for joineries with extruded built up standard tubular sections a/ appropriate z sections and other sections of approved make including cutting, fixing in position with necessary fixtures and filling the gaps at necessary areas with PVC/neoprene/cement mortar packing etc., all complete as per CPWD technical specifications / as specified by the Engineer - In Charge			
i	Door	Sq.m		
ii	Window	Sq.m		

iii	Ventilator	Sq.m		
iv	Fixed Partition Panelling	Sq.m		
d	Repair and refabrication of aluminium work for joineries with extruded built up standard tubular sections a/ appropriate z sections and other sections of approved make including cutting, fixing in position with necessary fixtures and filling the gaps at necessary areas with PVC/neoprene/cement mortar packing etc., all complete as per CPWD technical specifications / as specified by the Engineer - In Charge			
i	Door	Sq.m		
ii	Window	Sq.m		
iii	Ventilator	Sq.m		
iv	Fixed Partition Panelling	Sq.m		
16	DEMOLISHING & DISMANTLING			
	Dismantling with necessary safety and scaffolding and debries carted away from site as per CPWD technical specifications / as specified by the Engineer - In Charge	Cu. M		
a	Brick work			
b	R.C.C floor			
c	R.C.C roof			
d	P.C.C floor and foundation			
e	R.C.C tanks			
f	Plastering removal			
g	Removal of existing weathering course & tiles			
h	Platforms			
i	Doors			
j	Windows			
16	MISCELLANEOUS			

a	Removal of existing AC Sheets/FRP sheets & laying of new sheets with all accessories & necessary scaffolding as per CPWD technical specifications / as specified by the Engineer - In Charge	Sq. M		
b	laying of Asbestos Cement Sheet/FRP sheets with all accessories & necessary scaffolding as per CPWD technical specifications / as specified by the Engineer - In Charge	Sq. M		
c	Removal of the existing damaged wooden rafter, purlins and repair or refixing with new rafters, purlins with necessary shoring, scaffolding etc., complete as per CPWD technical specifications / as specified by the Engineer - In Charge	Sq. M		
d	Repair and refixing the existing wooden doors and windows as per CPWD technical specifications / as specified by the Engineer - In Charge	Sq. M		
17	<u>LABOUR CHARGES</u>	per day		
a	Mason			
b	Bar bender			
c	Carpenter			
d	Plumber			
e	Painter			
f	Electrician			
g	Male Helper			
f	Female Helper			
Note:	The rates furnished by the Contractor should be inclusive of water, power & other machineries required for the works to be carried out at Site.			