LIST OF APPROVED MAKES

LIST OF APPROVED MATERIALS / BRANDS FOR BUILDING WORKS

1.	Asphalt grade V- 30 (60/70)	BPCL , IOCL, HP
2.	Thermoplastic paints	Tata-Tiscon, Vizag, Sail, Essar, Kamdhenu, Nilkanth, Kothi gold Electro TMT or any other equivalent brand with ISI Mark.
3.	Cat Eye / Road Stud	Tata, Asian or as approved by Consultant/Client
4.	Red Oxide (For IPS Flooring)	'Shalimar', 'Garware' or equivalent
5	Aggregate (45-63, 40mm ,20mm)	Special Quality Black Sevaliya , Sayala, Vadagam , Ambagata Quarry etc…
6	Sand	Clean coarse Sharp Sand Free Form Clay Banas River

1. Only one brand and only ISI quality to be used,

2. Equivalent brand may be permitted to be used only after written permission of Consultant / Client

Note:

Equivalent brand with relevant ISI standard can be used but with prior approval of Consultant / Chief Officer / Palanpur Nagarpalika.

The above name of the manufacturers is mentioned in preferential order. Please quote accordingly. The successful Bidder will have to supply the make in consultation with the Clients / Consultants / without any extra cost.

As far as possible, the successful Bidder will have to place order directly to the manufacturer

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DEESHA CIVIL ENGINEERING DESIGN

NOTES ON BILLS OF QUANTITIES

(A) GENERAL

1.0 Rates quoted shall include all the operations, materials etc., mentioned in the specifications of respective items of work, bills of quantities, and these notes and required to complete the job.

2.0 Rates quoted shall include royalty, monopoly charges, and any other taxes (including sales tax on works contract) and duties levied by the Government or local bodies except where stated otherwise in this contract.

3.0 The words "as specified", "as described", "as shown", "as directed" or "as approved" shall mean as described in the specifications, bills of quantities and other tender documents as shown on the drawings and as directed or as approved by the Consultants/Employer.

4.0 The following notations will mean as below appearing in the Bills of Quantities and specifications:

(a)	CuM., CM, CIVIT	- Cubic metre
(b)	Sqm, SM, Smt	- Square metre
(c)	Rm., RM, Rmt	- Running metre
(d)	No. / Nos.	- Number/numbers
(e)	Kg.	- Kilogram
(f)	M.T.	- Metric tonne.

5.0 For the general guidance of the contractors preliminary tender drawings have been shown in the Chief Officer / Nagarpalica office / Employers Consultants office. The detailed working drawings shall be issued from time to time during the execution of the work so as to suit the time and progress chart prepared initially and/or modified subsequently to suit the requirements of the Employer/Consultants.

6.0 The execution drawings may have to be revised from time to time to suit the requirements of the Employer. Such changes will not entitle the contractor to any extra payment, claim or compensation other than executed and measured work, whether during the contracted period or during the extended period of completion.

7.0 The rates quoted for various items of work shall include working in all conditions including in/under water, liquid mud, foul conditions etc., and shall also include bailing or pumping out water by dewatering pumps or by special methods, from the foundations, basements or any other place of construction, collected from rains, or any other source whatsoever, at any time, till the completion of work including all suspension period and delays whatsoever.

8.0 The rates quoted unless otherwise specified, shall include works in all shapes, straight, inclined, curved etc., and all sizes as shown or as required.

9.0 The rates quoted shall include construction, before starting of excavation, protection, and maintenance through out the construction period, of pucca masonry pillars, showing main centre line of buildings, grid lines and levels.

10.0 The contractor shall afford all reasonable facilities and cooperation including clearance of site, use of existing scaffolding to the various other agencies and contractors for services not included in his contract working on the site simultaneously so that the entire work ran proceed smoothly to successful completion.

11.0 The contractor shall allow proper coordination and allow execution of work by other agencies as required along with the civil work.

12.0 The rates quoted shall include the cost of supplying photographs showing the work in progress from various angles, to the Employer and the Consultants separately. This shall be as per instructions of the Consultants / Engineer-In-Charge.

13.0 The rate quoted in the Bills of Quantities are to be full and inclusive of works. described in the bills of qualities, specifications and other documents including all costs and expense which may be required for the execution of the work described together with other associated items such as general risks, liabilities and obligations, construction of temporary stores, buildings, fencing, watching, lighting, insurance, labour regulations, indemnity, maintenance and the like set forth or implied in the tender documents.

14.0 The contractor shall submit, to the employer Consultants for their approval samples and shop drawings required in the specifications or by the Architect. The approval of these shop drawings and samples will be general and will not absolve contractor of the responsibility of the correctness of the samples and shop drawings. Atleast 6 copies of the approved shoo drawings shall be supplied by the contractor at his own cost to the Architect for distribution to various agencies at site.

15.0 The Bidder must see the site conditions, drawings and take all the aforesaid factors and the foregoing factors stated under various trade sections while quoting the rates, as no extra will be allowed on any ground arising out of, or relating to the aforesaid and foregoing factors.

16.0 Bidders are not entitled to make any corrections and/or additions in the tender script.

17.0 Contractor is responsible for execution of the works as specified in drawings, specifications etc. to the satisfaction of architect/consultants/Engineer-In-Charge.

18.0 Statement of theoretical consumption of some of the materials for different items are given separately.

19.0 Wherever Consultants / Consultants is mentioned in the documents it should be read as Engineer-In-Charge / Owner / Purchaser / Consultants / Consultants.

(B) TRADE WISE

1.0 EXCAVATOR:

(a) The prices for all excavations shall also include for leveling and ramming the bottoms of excavations to receive concrete, hard core etc. as may be required including trimming to slope where necessary.

(b) Any bricks or gravel found on the site which may be suitable as hardcore for building purpose is to remain the property of the Employer and if approved by the Engineer in-charge may be used in the works. The hardcore so used shall be measured and value thereof adjusted in the bills of quantities on completion.

2.0 CONCRETOR:

(a) Work included in this bill shall be carried out as described in the specifications.

(b) The rates for the items in this bill are to include for all requirements of the specifications whether such requirements are mentioned or not.

(c) Payments for concrete will be made on the unit rate quoted for the respective items in the schedule of quantities. Rates of all R.C.C. work shall be based on 20 mm maximum size aggregate.

(d) Payment of reinforcement shall be made as specified in specifications.

(e) Rates for concrete works are to include for laying or working the top surface to slight slopes where indicated on the drawings. Except where otherwise described all form work to in situ concrete shall be paid in respective item of Form work.

(f) Rates of concrete shall also include for forming drip moulds at concrete slabs and beams edges where required.

(g) Rates of concrete shall include for all the structural members of all types and shapes (circular, curved, octagonal etc.) as shown in drawings unless otherwise specifically mentioned in the Bills of Quantities.

(h) Deductions shall be made in the concrete as under:

i) No deduction shall be made in the concrete and no payment will be made for shuttering, for providing or keeping holes/gaps not exceeding 0.1 cum. or under and openings in walls, floors, roof slabs and the like not exceeding 60 cms. Either side superficial.

ii) The volume occupied by reinforcement shall not be deducted.

i) No honeycombing or defective workmanship shall be allowed. No touching, plastering or other methods of rectifying shall be resorted to without prior approval in writing of the Consulting Engineer/Engineer-in-charge/Consultants, who shall decide, whether the defective work in question shall be demolished or rectified and the same also shall be carried out by the Contractor at his own expenses. If the Consulting Engineer / Engineer-in-charge/Consultants are satisfied that the work in question does not call for dismantling or the work does not lend itself for rectification, he shall decide upon appropriate deduction in the rates quoted by the Contractor for standard workmanship.

j) Expansion, Construction joints wherever necessary shall be provided as directed and as specified without claiming anything extra (except for separate item for providing and laying special material, If specifically mentioned in the Bill of Quantities.) The rates shall include necessary scaffolding, tools, plants, etc. required for the concrete at all levels, unless otherwise specifically mentioned in the Bill of Quantities.

(k) Rates for various items for this trade shall be inclusive of following:

i) Shuttering of whatever height required. Centering/shuttering in curved shape and in slope.

ii) Centering plates or centering boards, planks etc. as required.

iii) Nails, wires, bolts, nuts, washers, etc. as required.

iv) Making forms in line level as required including raking, cutting etc.

v) Perforating the same where reinforcement is left protruding from concrete for future connections.
vi) All fillets to form throats or chamfers not exceeding 8 cms. wide.
vii) Small surfaces such as the exposed ends of beams and cappings.
viii) Splay edges, notching, allowances for overlaps and passing at angles, battens, wedging, easing, striking and removal.
ix) Cutting all necessary holes in form work for plumbing and electrical pipes and conduits where cast into concrete.
x) Placing of rainwater/drain pipes, if any in concrete before concreting is done.
xi) Cleaning of all the plates, or centering boards, etc. and applying colourless oil.
xii) Smoothening of projected form joints etc.
xiii) All wooden props or pipe staging with necessary bolts, nuts, bracings, clamps, wooden purlins etc.
xiv) Any type of necessary scaffolding for all heights.
xv) Rate includes for providing and placing cover blocks, preparing chairs, preparing and testing concrete cubes, curing of work done, testing of all ingredients of concrete and reinforcing bars procured by the contractor.
xvi) Hacking of concrete surface to receive plaster or other finishing, applying cement slurry before placing concrete.
xvii) If hand mixing is permitted by the Architect then 10% extra cement shall be added by the contractor without charging any extra.
xviii) Rate includes preparation of concrete surface and bonding treatment as specified in the specification.
xix) Before placing concrete, hardened concrete and foreign material shall be removed from the inner surfaces of the conveying equipments.
xx) Arrangement for testing shall be made by contractor without charging any extra.

3.0 BRICK LAYER:

(a) Work included in this bill shall be carried out as described in the specifications.
(b) The rates for the items in this bill are to include for all requirements of the specifications whether such requirements are mentioned or not.
(c) Rates for various items in this bill are to include for:
i All raking or false cutting.
ii Chamfering all external angles if instructed.
iii Extra cutting for forming rebated reveals or squint or birds mouth angles.,
iv Cutting and fitting brick work to ceiling.
v Bedding and pointing to wood frames.
vi Cutting and pinning ends of timbers, lintels. steps etc.
vii Leaving small holes as necessary for pipes, conduits etc.
viii Cutting and bonding 3" (8 cms.) brick on edge partitions to 4.5" (11 cms) thick brick walls.
ix Scaffolding will be double or single for doing brick work at all levels.
x Necessary tools, plant required for this work.
xi Leaving toothes or steps as instructed by Engineer-in-charge for exposed brick work.
xii Pointing to expose brick work in their respective items.
xiii Providing 2 Nos. of 6 mm dia. M.S. bars embedded in mortar at every fourth course in partition wall.
xiv Curved (in plan) and corbelled brick work.

4.0 **PLASTERER:**

(a) Work included in this bill shall be carried out as described in the specifications.
(b) The rates for the items in bill are to include for all requirements of specifications whether such requirements are mentioned or not.
(c) The rates for various items appearing in this bill shall include for:
i Raking out joints of brick work or raking concrete for key,
ii Work done overhead or in confined spaces and in narrow widths,
iii Thoroughly watering surfaces before the plastering,

iv Protection of plaster until handed over,

v Forming coves at junction,

vi Forming 10 mm. to 30 mm. wide and 12 mm deep grooves vertically or horizontally as required at junctions of ceiling and wall, skirting, dado, floors and at joints of concrete and masonry work,

vii Forming drip moulds/grooves where necessary and directed,

viii Scaffolding, single, or double as warranted for the particular work and as approved by the Consultants,

ix Making sample of respective item for approval, if instructed by Engineer-in charge without charging any extra,

x Watering the brick surface and applying cement slurry to RCC surface before plastering,

xi Curing of work executed,

xii Necessary patta as required,

xiii Providing wire mesh/chicken mesh as specified and directed at the junction of two different materials if necessary,

5.0 **PAVIER & TILER:**

(a) Work included in this bill shall be carried out as described in the specifications.

(b) Rates for the items in this bill are to include for all requirements of the specifications whether such requirements are mentioned or not.

(c) Rates for various items appearing in this bill shall include for:

i Finishing pavings and leveling to falls and cross falls as directed,

ii First and subsequent cement or other bedding coat to receive pavings and for joints,

iii Cleaning of floor before paving is laid,

iv Protection and cleaning,

v For corner and irregular pieces of facing tiles,

vi All raking or straight cutting,

vii All fair splay outs,

viii All internal fair mitered angles including accessories,

ix No extra will be paid for chiseling the brick work to obtain dado work flush with plaster above,

x Necessary tools, plants, machinery etc.,

xi Machine hand polishing and wax polish,

xii Curing, watering etc.,

xiii Mortar dropping shall not be allowed on finished tiles or polished or rough stone floors under any circumstances.

xiv Mortar droppings, if any shall be cleaned off the floors at the end of each day.

xv All skirting and dado work shall be flush with the plaster above,

xvi The rates shall include necessary tools and plants for the work,

xvii Providing, fixing and removing M.S. angles/channel or wooden members as directed to lay IPS/Concrete floor in alternate bays.

xviii Keeping grooves on peripheries of walls and rigid structures in flooring as directed.

xix Lime mortar should be ground in Mortar Mill.

xx Applying cement slurry to old concrete surface before placing new concrete.

xxi Fixing of glass strips or P.V.C. strips in flooring.

xxii All the materials shall be approved by the Consultants before use.

6.0 **MISCELLANEOUS:**

Specifications for all Miscellaneous items shall be as per relevant trades, as described in their respective sections, if not specified herein below:

7.0 **DISMANTLING:**

(a) All materials obtained from dismantling or demolition shall be the property of client, unless otherwise specified and shall be kept in safe custody until taken over by client.

(b) The demolition shall always be planned before hand and shall be got approved from the Engineer-in-charge before starting the work.

(c) Necessary propping, shoring and or underpinning shall be provided for the safety of the adjoining work or property before dismantling and demolishing is taken up and the work shall be carried out in such a way that no damage is caused to the adjoining work or property. Wherever required enclosures or partitions shall be provided as a safety precaution.

(d) Necessary precaution shall be taken to keep down the dust nuisance.

(e) Dismantling shall be done in a systematic manner. All materials which are likely to be damaged by dropping from a height or demolishing roofs, masonry etc. shall be carefully removed first. The dismantled articles shall be passed by hand, where necessary, lowered to the ground (and not thrown) and then properly stacked as directed by the Engineer-in-charge.

(f) Where fixing is done by nails, screws, bolts, etc. dismantling shall be done by taking out the fixing with proper tools and not by tearing or ripping off.

(g) Any serviceable material, obtained during dismantling or demolition, shall be separated out and stacked properly as directed by the Engineer-in-charge, within the site. All unusable/unserviceable materials, rubbish etc. shall be disposed off as directed by the Engineer-in-charge.

(h) The rates shall include the cost of all labour involved and tools used in demolishing and dismantling including scaffolding. The rate shall also include the charges of separating out and stacking the serviceable material properly and disposing off unserviceable material within site or outside the employers premises as directed. The rate shall also include for temporary shoring for the safety of portions not required to be pulled down or of adjoining property, and providing temporary enclosures or partitions, where considered necessary.

(i) Payments of dismantling work shall be made on the unit rate quoted for the respective items in the bill of quantities.

(j) For the payment of plaster with structure, thickness of plaster shall be included into thickness of their respective items (i.e. brick masonry, R.C.C. work, etc.) wherever it is applicable.

THEORETICAL UNIT CONSUMPTION OF CEMENT

No.	Description	Unit	Cement (bags)
AS1	**EXCAVATOR**	**NIL**	
AS2	**CONCRETOR**		
1.1	In 1:5:10 proportion (BBCC)	Cu M.	2.450
1.2	In 1:4:8 proportion (BBCC)	Cu M.	3.000
3.1	In 1:5:10 proportion (Hand Broken Metal)	Cu M.	2.580
3.2	In 1:4:8 proportion (-do-)	Cu M.	3.400
4.1	In proportion 1:5:10 (Machine cut metal)	Cu M.	2.580
4.2	In proportion 1:4:8 (M 7.5)	Cu M.	3.400
4.3	In proportion 1:3:6 (M 10.0)	Cu M.	4.400
4.4	For RC members 1:4:8 (M 7.5)	Cu M.	3.400
5.1	Up to plinth (RCC - M-25)	Cu M.	9.0
5.1.1	Up to 1.2m from GL - comp. Wall	Cu M.	9.0
5.1.2	Above 1.2m - for comp. wall	Cu M.	9.0
5.2	For ground floor	Cu M.	9.0
5.2.1	Up to 3m from GL - Ohd tank	Cu M.	9.0
5.3	For first floor	Cu M.	9.0
5.3.1	From 3m - 6m - Ohd tank	Cu M.	9.0
5.4	For second floor	Cu M.	9.0
5.4.1	From 6m - 9m - Ohd tank	Cu M.	9.0
5.5	For third floor	Cu M.	9.0
5.5.1	From 9m - 12m - Ohd tank	Cu M.	9.0
5.6	For fourth floor	Cu M.	9.0
5.6.1	From 12m - 15m - Ohd tank	Cu M.	9.0
5.7	For fifth floor	Cu M.	9.0
5.7.1	From 15m - 18m - Ohd tank	Cu M.	9.0
5.8	For sixth floor	Cu M.	9.0
5.8.1	From 18m - 21 m - Ohd tank	Cu M.	9.0
5.9	For Seventh floor	Cu M.	9.0
5.9.1	From 21 m - 24m - Ohd tank	Cu M.	9.0
5.10	For eighth floor	Cu M.	9.0
5.10.1	From 24m -'27m - Ohd tank	Cu M.	9.0
5.10.2	From 27m - 30m - Ohd tank	Cu M.	9.0
6.1	M-30 concrete over M-25 (RCC)	Cu M.	1.8
7.0	Damp proof course	Smt.	0.300
9.0	RCC flooring (M-25)	Cu M.	9.0
13.0	RCC for machine foundation (M-25)	Cu M.	9.0
16.0	Precast concrete blocks covers steps etc.-M-25	Cu M.	9.0
17.0	Precast concrete lintels etc.(M-25)	Cu M.	9.0
19.0	Encasing with concrete(M-25)	Cu M.	9.0
20.0	Cement concrete vata 75 x 75 mm	Rmt.	0.020
20.1	Cement concrete vata 100 x 100 mm	Rmt.	0.040
28.0	Immediate Finish	Smt.	0.080
AS3	**BRICK LAYER**		
1.0	Brick masonry up to plinth	Cu M.	1.240
1.1	Brick masonry - compound wall	Cu M.	1.240
1.2	- above 1.2m from eve GL	Cu M.	1.240
2.1	Brick Masonry For ground floor	Cu M.	1.240
2.2	- do - For first floor	Cu M.	1.240
2.3	- do - For second floor	Cu M.	1.240
2.4	- do - For third floor	Cu M.	1.240
2.5	- do - For fourth floor	Cu M.	1.240
2.6	- do - For fifth floor	Cu M.	1.240
2.7	- do - For sixth floor	Cu M.	1.240
2.8	- do - For seventh floor	Cu M.	1.240

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No.	Description	Unit	Cement (bags)
3.1	115mm th. Brick Partition Up to plinth	Smt.	0.210
3.2	- do - For ground floor	Smt.	0.210
3.3	- do - For first floor	Smt.	0.210
3.4	- do - For second floor	Smt.	0.210
3.5	- do - For third floor	Smt.	0.210
3.6	- do - For fourth floor	Smt.	0.210
3.7	- do - For fifth floor	Smt.	0.210
3.8	- do - For sixth floor	Smt.	0.210
3.9	- do - For seventh floor	Smt.	0.210
4.1	75mm th. Brick Partition Up to plinth	Smt.	0.180
4.2	- do - For ground floor	Smt.	0.180
4.3	- do - For first floor	Smt.	0.180
4.4	- do - For second floor	Smt.	0.180
4.5	- do - For third floor	Smt.	0.180
4.6	- do - For fourth floor	Smt.	0.180
4.7	- do - For fifth floor	Smt.	0.180
4.8	- do - For sixth floor	Smt.	0.180
4.9	- do - For seventh floor	Rmt.	0.180
5.1	Load Wall - 23 cms wide	Rmt.	0.320
5.2	Load Wall - 36 cms wide	Rmt.	0.470
5.3	Load Wall - 46 cms wide	Rmt.	0.520
6.1	Galabid - 12 cms wide	Rmt.	0.050
6.2	Galabid - 23 cms wide	Rmt.	0.090
6.3	Galabid - 36 cms wide	Rmt.	0.140
6.4	Galabid - 46 cms wide	Rmt.	0,180
10.1	Honey comb brick work - 360 mm thick	Smt.	0.420
10.2	Honey comb brick work - 230 mm thick	Smt.	0.280
10.3	Honey comb brick work - 115 mm thick	Smt.	0.150
11.1	UCR Stone Masonry - Using white stone (Found. & Plinth)	Cu M.	1.580
11.2	UCR Stone Masonry - Using black stone	Cu M.	1.580
12.1	UCR Stone Masonry - Using white stone (Super Structure)	Cu M.	1.580
12.1.1	UCR Stone Masonry - 1.2m above GL - comp. Wall	Cu M.	1.580
12.2	UCR Stone Masonry - Using black stone	Cu M.	1.580
12.2.1	UCR Stone Masonry - 1.2m above GL - comp. Wall	Cu M.	1.580
13.1.1	Coarse rubble masonry - white stone - For ground floor	Cu M.	1.700
13-1.2	- do - For first floor	Cu M.	1.700
13.1.3	- do - For second floor	Cu M.	1.700
13-1.4	- do - For third floor	Cu M.	1.700
13.1.5	- do - For fourth floor	Cu M.	1.700
13.1'.6	- do - Above 1.2 rn - comp. Wall	Cu M.	1.700
13.2.1	Coarse rubble masonry - black stone - For ground floor	Cu M.	1.700
13.2.2	- do - For first floor	Cu M.	1.700
13.2.3	- do - For second floor	Cu M.	1.700
13.2.4	- do - For third floor	Cu M.	1.700
13.2.5	- do - For fourth floor	Cu M.	1.700
13.2.6	- do - Above 1.2 m - comp. Wall	Cu M.	1.700
16.1	Stone - Honey Comb work - Up to 10 m depth	Cu M.	1.58
16.2	Stone - Honey Comb work - above 10 m depth	Cu M.	1.58
18.1	Bella stone masonry ground floor	Cu M.	0.5
18.2	- do - for first floor	Cu M.	0.5
19.2	100mm thick Bella stone partition - for super structure	Smt.	0.15
AS4 PLASTERER			
1.1	Cement finish Plaster - 12 to 15mm th.	Smt.	0.160
1.1.1	Cement finish plaster - 6mm thick	Smt.	0.080

No.	Description	Unit	Cement

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			(bags)
1.2	Neeru / sagol finish	Smt.	0.120
1.3	20 mm waterproof accoproof	Smt.	0.210
1.4	20 mm waterproof hydro-shield	Smt.	0.210
2.0	20-25 mm sand face plaster	Smt.	0.240
2.1	- using white cement	Smt.	0.160
3.0	15-20 mm mala plaster	Smt.	0.220
4.1.1	- Raised pointing	Smt.	0.140
4.1.2	- Flush pointing	Smt.	0.100
4.1.3	- Ruled pointing	Smt.	0.100
4.2.1	- Raised pointing	Smt.	0.200
4.2.2	- Flush pointing	Smt.	0.200
4.2.3	- Ruled pointing	Smt.	0.200
5.0	20-25 mm ziki plaster	Smt.	0.160
6.0	32 mm exposed plaster	Smt.	0.230
6.1	- using white cement	Smt.	0.160
7.0	25mm rough cast plaster	Smt.	0.230
7.1	- using white cement	Smt.	0.100
8.0	20 mm silvicrete plaster	Smt.	0.200
9.0	Unfinished plaster	Smt.	0.140
AS5 PAVIOR & TILER			
1.0	PKS - 25-37mm thick flooring	Smt.	0.230
1.1	- using 30 cms x 30 cms	Smt.	0.230
1.2	PKS - 37-50mm thick flooring	Smt.	0.230
1.3	PKS - 50-65mm thick flooring	Smt.	0.230
2.1	- 60 x 60 cms or 60 x 45 cms	Smt.	0.250
2.2.1	- 8-10 cms high	Rmt.	0.020
2.2.2	- 10-15 cms high	Rmt.	0.030
2.2.3	- 15-20 cms high	Rmt.	0.030
3.1	- Upto 90-120 x 35cms in 1 pc.	Smt.	0.230
3.2	- Upto 45 x 60 cms	Smt.	0.230
3.3	- Upto 35 x 200 cms in 1 pc.	Smt.	0.230
4.1.1	- Platform top	Smt.	0.270
4.1.2	- Dado	Smt.	0.270
4.1.3	- Horizontal facia	Smt.	0.270
4.1.4	- Vertical facia	Smt.	0.270
4.1.5	- Shelves	Smt.	0.100
4.2.1	61. Madras stone - platform top	Smt.	0.270
4.2.2	BMS - Dado	Smt.	0.270
4.2.3	BMS - Horizontal facia	Smt.	0.270
4.2.4	BMS - Vertical facia	Smt.	0.270
4.2.5	BMS - shelves	Smt.	0.100
5.0	RKS 37-50 mm thick flooring	Smt.	0.160
5.1	- 50-65mm thick	Smt.	0.180
5.2	- 37-50mm thick	Smt-	0.100
5.3	- 50-65mm thick, 2 sides dr.	Smt.	0.100
5.4	RKS - strips 10-15 cms	Smt.	0.230
5.5	PKS - strips 10-15 cms	Smt.	0.230
5.6	Marble - strips 10-15 cms	Smt.	0.230
6.0	Red Mandana Stone	Smt.	0.100
10.1	- 8 -10 cms high	Rmt.	0.010
10.2	- 10 - 15 cms high	Rmt.	0.010
10.3	- 15 - 20 cms high	Rmt.	0.020
12.0	MMT tiles - flooring	Smt.	0.100
12 (a)	MMT chequered tiles - flooring	Smt.	0.100
13.0	Terrazzo flooring	Smt.	0.210,
13.1	Terrazzo - dado 12 mm	Smt.	0.180
13.2	Terrazzo - skirting	Smt.	0.020

No.	Description	Unit	Cement (bags)

15.0	Marble - 20 - 25 mm thick	Smt.	0.270
15.1	Fordado	Smt.	0.300
15.2	For skirting	Rr*ht.	0.030
16.0	Marble strips	Smt.	0.270
17.0	Marble - 25-30 mm entrance	Smt.	0.300
18.0	Marble / granite facia	Smt.	0.270
18.1	Marble facia	Rmt.	0.030
18.2	Granite facia	Rmt.	0.030
18.3	Marbo granite facia	Rmt.	0.030
20.0	Granite stone 20-25mm thick	Smt.	0.270
20.1	Fordado	Smt.	0.270
20.2	- do - for 8 to 10 cms high skirting	Rmt.	0.030
21.0	Yellow jesalmer stone strips	Smt.	0.030
21.1	- do - for PKS strip	Rmt.	0.030
21.2	- do - for marble strip	Rmt.	0.030
22.0	Marble partitions for urinals	Smt.	0.030
22.1	PKS partitions for urinals	Smt.	0.030
22.2	Vitreous china partition	No.	0.030
23.0	Industrial tiles	Smt.	0.090
24.1	50mm thick IPS	Smt.	0.400
24.2	80mm thick IPS	Smt.	0.560
24.4	Extra for hardener	Smt.	0.080
24.5	Waterproof IPS - Hydroshield	Smt.	0.400
24.6	Waterproof IPS - Accoproof	Smt.	0.400
24.8	IPS for skirting	Smt,	0.400
25.0	IPS for steps	Rmt.	0.120
27.1	Glazed tiles - floor	Smt.	0.300
27.2	Glazed tiles - dado	Smt.	0.300
28.0	Brick on edge flooring	Smt.	0.090
29.0	Crazy marble stone flooring	Smt.	0.210
29.1	- Using 20-25mm thick marble pc	Smt.	0.210
33.1	- For floor	Smt.	0.300
33.2	- Fordado	Smt.	0.300
34.1	- Unglazed tiles	Smt.	0.300
34.2	- Glazed tiles	Smt.	0.300
35.1	- Unglazed tiles	Smt.	0.300
35.2	- Glazed tiles	Smt.	0.300
36.0	China mosaic flooring	Smt.	0.400
37.0	Crazy kotah stone flooring	Rmt.	0.210
37.1	Using 20-25mm kotah stone	Smt.	0.210
39.0	Granamite flooring	Smt.	0.300
39.1	- for skirting	Rmt.	0.030
39.2	Marbo granite tiles for flooring	Smt.	0.300
39.3	10cms high marbo granite skirting	Rmt.	0.030
39.4	Marbo granite tiles for dado	Smt.	0.300
41.0	Marble platform (sandwitch)	Smt.	0.150
41.1	Granite platform	Smt.	0.150
42.0	PKS platform (sandwitch)	Smt.	0.150
42.1	PKS partition	Smt.	0.150
43.0	Red granite flooring	Smt.	0.300
43.1	- do - for granite shelves	Rmt.	0.030
44.0	Chequered paver tiles	Smt.	0.300
44.1	Concrete paving block - 47mm thick	Smt.	---
44.2	- do - for 55mm thick	Smt.	---
45.0	55 to 60mm thick conc. Paving block	Smt.	---