

TENDER DOCUMENT

FOR

A

Name of Work : Repairs of CI Vent/Waste/Drain pipes in staff qtrs., BrijVihar, Gzb.

Name of the Agency:

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Time and Date of Opening: 28-04-2014 at 03:30 PM

CENTRAL BOARD OF SECONDARY EDUCATION
"SHIKSHA KENDRA", 2, COMMUNITY CENTRE,
PREET VIHAR, DELHI – 110092

NOTICE INVITING TENDER

CBSE invites sealed Percentage rate tender from eligible contractors who are registered with CPWD, MES, NDMC, DDA, and other Govt. Dept., PSU, autonomous Bodies for the under mentioned work. The Contractor should have executed minimum two works costing Rs. 2.50 Lacs each or three works costing Rs. 2.00 Lacs each during last three years.

Name of the Work	1. Repairs of CI Vent/Waste/Drain pipes in Staff Qtrs., Brij vihar, Gzb. 2. Repairs/Renovation of A-95 HIG (Type-IV) Building at CBSE staff Qtrs., BrijVihar, Gzb.
Estimated Cost	1. Rs. 7,37,500.00 (Rs. Seven Lac Thirty Seven Thousand Five Hundred Only) 2. Rs. 670100.00 (Rs. Six Lac Seventy Thousand One Hundred Only)
Period of Completion	1. 60 Days 2. 60 Days
Earnest Money Deposit (EMD)	1. Rs. 15,000.00 (Rs. Fifteen Thousand Five Hundred only) 2. Rs. 15,000.00 (Rs. Fifteen Thousand Five Hundred only)
Non-refundable cost of Tender document	Rs. 500.00 (Rs. Five Hundred only) in the shape of DD/PO in favour of Secretary, CBSE payable at Delhi.
Last date & time of submission of tender	Up to 28-04-2014 by 3:00 PM
Date & Time of Opening of technical Tender	28-04-2014 at 03:30 PM
Validity of offer	60 days from the date of opening of price tender.

*The Estimated cost is based on DSR-2013, for schedule items and for non schedule items the rates are on the basis of market rates.

Tenders duly completed shall be received in the tender-box placed at Reception Counter, CBSE, HQ, "Shiksha Kendra", 2, Community Centre, Preet Vihar, Delhi –110092, up to 3:00 PM on 28-04-2014

The detailed tender documents can also be seen and/or downloaded from the web site <http://www.cbse.nic.in>.

Joint Secretary (A & L)

CENTRAL BOARD OF SECONDARY EDUCATION

2, COMMUNITY CENTRE, PREET VIHAR, DELHI-92

PART-A Technical-Bid

Last Date for submission: 28-04-2014
Upto 3.00 p.m.
Opening of tender: 28-04-2014.on 3.30 p.m.

Name of work : Repairs of CI Vent/Waste/Drain pipes in Staff Qtrs.
Locations : CBSE Staff Qtrs., Brij Vihar, GZB.

Details of tenderer:

- a. Name of the Agency: _____
- b. Office Address and Tel. Nos. _____
- c. Registration details:
d. (with documentary evidence) _____
- e. PAN No.(with documentary evidence) _____
- f. Service Tax Regd. Certificate:
g. (supported with documentary evidence)_____
- h. Experience (last three years) _____

S.No.	Year	Name of the Organization	Cost of the work (Executed)	Officer Concd. in the Organization with T.No.
1.				
2.				
3.				
4.				

- i. E. M. D. Details:

Authorised Signatory

Seal

CENTRAL BOARD OF SECONDARY EDUCATION

"SHIKSHA KENDRA", 2, COMMUNITY CENTRE
PREET VIHAR, DELHI-1100092

INSTRUCTIONS TO THE TENDERERS

1. Incomplete and conditional tenders shall be summarily rejected.
2. Rates are to be quoted in words and figures without any cutting/overwriting Analysis of rates must be attached with the tender.
3. The agency should quote the rates after visiting the site and proper assessment of work.
4. Prescribed enclosures are to be attached with the Technical Bid. Only the Financial Bids of the Contractors who are found eligible after opening of Technical Bid would be considered.
5. Technical Bids and Price-Bid should be signed by the same authorized signatory. The Technical-Bids shall be opened on 28-04-2014 at 3.30 p.m. in the presence of the tenderers, who may like to be present.
6. Any additional information required by CBSE in respect of the work experience shall be submitted by the tenderers within three days, failing which the offer shall not be entertained.
7. Technical Bid received without EMD of Rs.18,500/- in the form of a Demand draft / Banker's Cheque shall be summarily rejected.

Terms and Conditions

1. The work should be executed as per CPWD specifications and as per directions of Engineer-In-Charge.
2. The time of Completion of work would be 60 days.
3. Extension of completion time would be granted only if the Agency applies for with details of Hindrance.
4. The Agency should be submit a Performance Guarantee of 5% of tendered value in addition to EMD before start of work.
5. If value of work exceeds the tendered value extension of time would be granted proportionately.
6. In case of delay, a penalty of 1% per week should be deducted.
7. Subjected to a max of 5% of the tender value.
8. Computerized Bill should be submitted by the Contractor for process of payment.
9. All T & P shall be arranged by the Contractor.
10. Hindrance Register shall be maintained by JE at site.
11. Instructions given in Site Order Book would be followed acknowledged by the Contractor immediately.
12. One running payments would be considered after 50% completion of work and subsequently thereafter final bill would be paid within 30 days after submission of Bill by the Contractor.
13. 5% of the bill shall be deducted as defect liability and shall be released after six month.
14. 25% deviation in quantities would be permitted. For Extra items the non-scheduled items would be paid as per market rates and for DSR-2012 items as per percentage quoted by the Agency. The Extra items should be executed with prior approval of Engineer-in-Charge.
15. The materials to be used must be got approved from the Engineer-in-charge before installation/use.
16. Potable water shall only be used at site / work and arranged own self by the contractor. Nothing extra shall be paid on this account.
17. Agreement shall be executed by the agency at its own cost.
18. In case of no/slow progress, the Board shall have the right to rescind the contract & get the work executed at the risk & cost of the defaulting agency.
19. In case of any dispute, the Arbitrator shall be appointed by the Chairman and his decision shall be binding.
20. No escalation in rates would be given.
21. Rates should be including all taxes.
22. The Contractor shall provide assistance, instruments, material, labour and any other arrangement normally required for testing, checking of materials and workmanship as stipulated in the specifications and by statutory authority at his own cost. CBSE has the right to appoint the testing authorities. The Contract shall pay for the cost of test samples, its packing, transportation including testing fees.
23. The Contractor shall comply with all the provisions of the Minimum Wages Act – 1948 and other labour laws that may be in force.
24. If the Contractor commits breach of any of the terms and conditions CBSE shall have power to resign the Contracts.

25. All the materials obtained during dismantling, excavation, of site would be Board's property.
26. No payment shall be made the Contractor for any damage due to any natural cause during the execution of works
27. All material used shall be as per specification and ISI marked where applicable.
28. The Contractor shall employ the Qualified Diploma holder with 5 years experience to supervise a work.
29. The Contractor shall be responsible for the Safety of workmen.

(Signature of the Agency)
With complete address and seal
Add. _____

Tel. No.: _____
Mobile No.: _____

LIST OF APPROVED MAKE / BRAND

Sl. No.	Name of Material	Approved Make
1	Cement	L & T/Ultratech, Birla, RAMCO, CCI, ACC
2	C.I. Pipes & fittings	NECO, BIC

Note:

1. The Contractor shall produce samples before procurement of the material for approval of the Engineer in-Charge/Employer for all materials required for work. The material of the makes out of the above as approved by the Engineer-in-Charge/Employer shall be used on the work. The decision of the Engineer in-Charge/Employer from the above makes shall be final.
2. In respect of the material for which approved makes are not specified as above, the same shall be decided by the Engineer-in-Charge/Employer and shall be as per the sample got approved from Employer before the procurement.
3. The Contractor shall submit samples of all materials 15 days from the date of start of work for approval from the Employer.

Schedule – B

Name of work : Repairs of CI Vent/Waste/Drain pipes in Staff Qtrs., Brij vihar, Gzb.					
Item No.	Description	Qty.	Unit	Rate	Amount(Rs.)
1	Providing and fixing pipes :				
A	100 mm dia, Sand cast iron S&S pipe as per IS: 1729	45	Meter	854.85	38468.25
B	75 mm diameter : Sand cast iron S&S pipe as per IS: 1729	90	Meter	705.55	63499.50
2	Providing lead caulked joints to sand cast iron/centrifugally cast (spun) iron pipes and fittings of diameter :				
a	75 mm dia pipe	100	Each	196.20	19620.00
b	100 mm dia pipe	100	Each	232.30	23230.00
3	Providing and fixing M.S. holder-bat clamps of approved design to Sand Cast iron/cast iron (spun) pipe embedded in and including cement concrete blocks 10x10x10 cm of 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), including cost of cutting holes and making good the walls etc. :				
a	For 100 mm dia pipe	100	Each	140.65	14065.00
b	For 75 mm dia pipe	100	Each	138.35	13835.00
4	Providing and fixing plain bend of required degree.				
a	100 mm dia, Sand cast iron S&S as per IS - 1729	35	Each	433.20	15162.00
5	Providing and fixing terminal guard :				
a	100 mm, Sand cast iron S&S as per IS - 3989	90	Each	247.40	22266.00
b	75 mm, Sand cast iron S&S as per IS - 3989	90	Each	196.70	17703.00
6	Providing and fixing door piece, insertion rubber washer 3mm thick, bolts & nuts complete :				
a	100 mm, Sand cast iron S&S as per IS - 1729	5	Each	512.20	2561.00

b	75 mm, Sand cast iron S&S as per IS - 1729	30	Each	358.15	10744.50
7	20 mm cement plaster of mix :				
	1:6 (1 cement: 6 coarse sand)	2300	Sqm	215.80	496340.00
				Total:	737494.25

Percentage Rate: Above/Below

(Signature of The Agency)

With complete address and

seal

Address:.....

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.....

.....

Tel.

No.:.....

Mobile No.:.....

TENDER DOCUMENT

FOR

B

Name of Work :

Repairs/Renovation of A-95 HIG (Type-IV) Building at CBSE staff Qtrs., BrijVihar, Gzb.

Name of the Agency:

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.....

Time and Date of Opening: 28-04-2014 at 03:30 PM

CENTRAL BOARD OF SECONDARY EDUCATION

2, COMMUNITY CENTRE, PREET VIHAR, DELHI-92

PART-A Technical-Bid

Last Date for submission: 28-04-2014

Upto 3.00 p.m.

Opening of tender: 28-04-2014 on 3.30 p.m.

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Locations : CBSE Staff Qtrs., Brij Vihar, GZB.

Details of tenderer:

A Name of the Agency: _____

B Office Address and Tel. Nos. _____

C Registration details:
(with documentary evidence) _____

D PAN No.(with documentary evidence) _____

E Service Tax Regd. Certificate:
F (supported with documentary evidence) _____

G Experience (last three years) _____

S.No.	Year	Name of the Organization	Cost of the work (Executed)	Officer Concd. in the Organization with T.No.
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"SHIKSHA KENDRA", 2, COMMUNITY CENTRE
PREET VIHAR, DELHI-1100092

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(Signature of the Agency)
With complete address and seal
Add. _____

Tel. No.: _____
Mobile No.: _____

Schedule – B

Name of Work : Repairs/Renovation of A-95 HIG (Type-VI) Building at CBSE Staff Qtrs., BrijVihar, Gzb.

Item No.	Description	Unit	Qty.	Rate	Amount
1	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	Sqm	220	18.15	3993.00
2	Repair to plaster of thickness 12mm to 20mm in patches of area 2.5 Sq.m and under including cutting the patch in proper shape, raking out joints and preparing & plastering the surface of the walls complete including disposal of rubbish to the dumping ground within 50 mtr. lead.				
a	With cement mortar 1:4 (1 cement :4 coarse sand)	Sqm	191	231.85	44283.35
b	With cement mortar 1:4 (1 cement :4 fine sand)	Sqm	29	221.15	6413.35
3	Providing and laying Vitrified tiles in floor with different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS:15622 , of approved brand & manufacturer, in all colours and shade, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS : 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately).				
	Size of Tile 600x600 mm	Sqm	88	1539.85	135506.80
4	Providing and laying Vitrified tiles in different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS: 15622, of approved brand & manufacturer, in all colours and shade, in skirting, riser of steps, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS: 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately).				
	Size of Tile 600x600 mm	Sqm	11	1597.20	17569.20
5	Providing and laying Ceramic glazed floor tiles of size 300x300 mm	Sqm	15	822.10	12331.50

	(thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick bed of cement mortar 1:4 (1 Cement : 4 Coarse sand), including pointing the joints with white cement and matching pigments etc., complete.				
6	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS:15622(thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3 Kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	Sqm	56	793.60	44441.60
7	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases, dismantling the old pipes thereafter and making good the same including testing of joints complete as per direction of Engineer in Charge.				
	Concealed work, including cutting chases and making good the walls etc.				
	20 mm nominal outer dia Pipes	Rmt	100	281.35	28135.00
8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge.				
	Internal work - Exposed on wall				
	20 mm nominal outer dia Pipes	Rmt	25	182.15	4553.75

9	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require :				
	White Vitreous China Flat back wash basin size 550x400 mm with single 15 mm C.P. brass pillar tap	Nos.	3	1699.95	5099.85
10	Supplying, installing, testing and commissioning of Parryware / Hindware make of white colors, Wall mounted European Water closet - with Cascade NXT range Walvit Pan set with 'P' trap, Cascade ultra solid seat, Cascade walvit pan fittings, seat & cover with rubber buffers and flap including following accessories: brass screws with washer, pan connector, rag bolt/CI chair bracket with GI bolt and nuts etc, complete. Works including cutting and making good the walls/floor wherever required, including cost and conveyence of all materials to the site, all labour charges, all taxes etc., complete finished item of work and as directed by the Site Engineer / Project In-Charge. The side gap between EWC mouth and pan connector to be filled with silicon sealent. EWC - Parryware - model no: 0207 - (Cascade NXT Walvit pan set) Cascade ultra solid seat cover - C8140: Cascade Walvit pan fittings - C08015 Sumo chair bracket set - model no: C8166 Providing and fixing of white colors cascade NXT EWC set	Each	2	13000	26000.00
11	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms. (Market Rate)				
	15 mm nominal bore	Nos.	6	600	3600.00
12	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :				
	15 mm nominal bore	Nos.	4	458.40	1833.60
13	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931(Market Rate)				
	a) 15 mm nominal bore	Nos.	12	500	6000.00
14	Providing and fixing C.P. brass				

	shower rose with 15 or 20 mm inlet: 150mm diameter	Nos.	2	85.60	171.20
15	Providing and fixing PTMT liquid soap container 109 mm wide, 125 mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms. (Market Rate)	Nos.	3	300.00	900.00
16	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.(Market Rate)	Nos.	3	1200.00	3600.00
17	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour.				
	600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 88 mm, weighing not less than 190 gms	Nos.	3	448.40	1345.20
18	Providing and fixing PTMT towel ring trapezoidal shape 215 mm long, 200 mm wide with minimum distances of 37 mm from wall face with concealed fittings arrangement of approved quality and colour, weighing not less than 88 gms.	Nos.	2	300.00	600.00
19	Providing and fixing curtain rods of 1.25 mm thick chromium plated brass plate, with two chromium plated brass brackets fixed with C.P. brass screws and wooden plugs, etc., wherever necessary complete :				
	25 mm dia	Meter	22	444.10	9770.20
20	Mirror polishing on marble work/Granite work/stone work where ever required to give high gloss finish complete.	Sqm	4	196.85	787.40
21	Providing and laying rectified Glazed Ceramic floor tiles of size 300x300 mm or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in colours White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement: 4 Coarse sand), including grouting the joints with white cement and matching pigments etc., complete.	Sqm	16	987.40	15798.40

22	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners, stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).	Kg.	30	611.10	18333.00
23	Renewing glass panes, with putty and nails wherever necessary including racking out the old putty:				
	Float glass panes of thickness 4 mm	Sqm	3	651.40	1954.20
24	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete.				
	Fixed to steel windows by welding	Kg.	100	103.15	10315.00
25	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	Sqm	675	6.90	4657.50
26	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	Sqm	675	85.40	57645.00
27	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content.	Sqm	675	31.55	21296.25
28	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade :				
	Two or more coats on new work	Sqm	420	71.65	30093.00
29	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade :				
	New work (Two or more coats applied @ 1.43 ltr/ 10 sqm over and including priming coat of exterior	Sqm	260	90.00	23400.00

	primer applied @ 2.20 kg/ 10 sqm)				
30	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) :				
	25 mm thick	Sqm	66	1071.70	70732.20
31	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, ISI : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	Ltrs.	1000	6.30	6300.00
32	Providing and laying four courses water proofing treatment with bitumen felt over roofs consisting of first and third courses of blown bitumen 85/25 or 90/15 conforming to IS : 702 applied hot @ 1.45 Kg per square metre of area for each course, second course of roofing felt type 3 grade-I (hessian based self finished bitumen felt) and fourth and final course of stone grit 6 mm and down size or peasized gravel spread at 6 cubic diameter per square metre including preparation of surface but excluding grading complete with :	Sqm	35	291.40	10199.00
33	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	Cum	15	123.85	1857.75
34	Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required.				
a	5/6 amps switch	Each	40	77.00	3080.00
b	15/16 amp switch	Each	10	99.00	990.00
c	3 pin 5/6 amp socket outlet	Each	10	101.00	1010.00
d	6 pin 15/16 amp socket outlet	Each	10	163.00	1630.00
e	Bell push	Each	1	105.00	105.00
35	Supplying and fixing stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding	M.R.	8	362.00	2896.00

	modular plate etc. as required.				
36	Supplying, Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable, including providing and fixing phenolic laminated sheet cover on the fan box etc. as required.	M.R.	8	1500.00	12000.00
37	Supplying and Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required.				
	Upto 450 mm sweep	M.R.	2	1300	2600.00
38	P & F Mixer for Wash Basin incl. All fitting. (Make Jaquar/Parco)	M.R.	3	3153.00	9459.00
39	P & F Mixer for Shower incl. all fittings.(Make Jaquar/parco)	M.R.	2	3365.00	6730.00
				Total:	670016.30

Percentage Rate : Above/Below

(Signature of The Agency)

With complete address and seal

Address:.....

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.....

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Tel. No.:.....

Mobile No.:.....

LIST OF APPROVED MAKE / BRAND

Sl. No.	Name of Material	L & T/Ultratech, Birla, RAMCO, CCI, AC
1	Cement	Shree Ultratech, Birla, RAMCO, CCI, ACC
2	Glazed Tiles	Hohnson, Kajaria, Somany, Nitco, Regency
3	Ceramic Tiles	Hohnson, Kajaria, Somany, Nitco, Regency
4	Water closet/washbasin/flushing cistern/WC cover/Sinks	Hindustan sanitaryware/parryware/cera
5	CP brass fitting like bib cock, stop cock, pillar cock, bottle trap etc.	Metro, Parco, EssEss, Waterman, ZIM
6	CPVC/UPVC pipe and fittings	Astral,Supreme, Prince, Finolex
7	Gun metal gate valve/check valve	Leader,GG (ISI marked)/Audco, IVC, Fluidline
8	PVC water tank	Sintex
9	Soap Tray	Hindustan, Parryware
10	Cistern (china ware)	Parryware, hindware, cera
11	Washbasin	Parryware, hindware, cera
12	Waterproofing compound	Acco proof, pidilite, cico, inpermo, fosroc
13	Stoneware pipe, gully trap	ISI market
14	Butterfly valve water type check valves globe valves, gun metal gate valves	Leader, Audco, IVC, fluidline
15	C.I. cover	K.K.

Note:

4. The Contractor shall produce samples before procurement of the material for approval of the Engineer in-Charge/Employer for all materials required for work. The material of the makes out of the above as approved by the Engineer-in-Charge/Employer shall be used on the work. The decision of the Engineer in-Charge/Employer from the above makes shall be final.
5. In respect of the material for which approved makes are not specified as above, the same shall be decided by the Engineer-in-Charge/Employer and shall be as per the sample got approved from Employer before the procurement.
6. The Contractor shall submit samples of all materials 15 days from the date of start of work for approval from the Employer.