



સરદાર વલ્લભભાઈ રાષ્ટ્રીય પ્રૌદ્યોગિકી સંસ્થાન, સુરત  
Sardar Vallabhbhai National Institute of Technology, Surat



## એસ્ટેટ સેક્શન



## ભાવપત્રક

- કામનું નામ :** : સરદાર વલ્લભભાઈ નેશનલ ઈન્સ્ટીટ્યૂટ ઓફ ટેકનોલોજી, સુરતનાં જુદા જુદા રહેણાંક / બિન રહેણાંક મકાનો માટે મરામતની કામગીરી માટેનાં ભાવપત્રક.
- ઠેકેદારનું નામ :** :
- નોંધણી** : પીડબલ્યુડી / સીપીડબલ્યુડી / એમઈએસ / મ્યુનિસિપલ કોર્પોરેશન / સેમી ગવર્નમેન્ટ ઓર્ગેનાઈજેશનમાં રજીસ્ટર્ડ કોન્ટ્રાક્ટરો પાસેથી ભાવપત્રક આમંત્રિત કરવામાં આવે છે.
- ટેન્ડર ઈશ્યુ તારિખ :** : ૦૭/૦૩/૨૦૧૯ થી ૨૭/૦૩/૨૦૧૯
- ટેન્ડર સબમીટ તારિખ :** : ૦૨/૦૪/૨૦૧૯ કાર્યાલય સમય દરમ્યાન

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નિયામકશ્રી, એસ.વી.એન.આઈ.ટી., સુરત-૩૯૫૦૦૭. ☎ ૯૧-૦૨૬૧-૨૨૫૯૫૭૧, ૨૨૫૯૫૮૨-૮૪.



## સરદાર વલ્લભભાઈ રાષ્ટ્રીય પ્રૌઢોગિક સંસ્થા, ઈચ્છાનાથ, સુરત-૭.

—: ટેન્ડર નોટીસ :-

સરદાર વલ્લભભાઈ રાષ્ટ્રીય પ્રૌઢોગિક સંસ્થા, ઈચ્છાનાથ, સુરતની કચેરીએથી નીચે જણાવેલ મરામતની કામગીરી માટે અનુભવી કોન્ટ્રાક્ટરો પાસેથી સીલબંધ ટેન્ડરો મંગાવવામાં આવે છે.

અ.નં	કામની વિગતો	બાનાની ની રકમ રૂા.
૧	સરદાર વલ્લભભાઈ નેશનલ ઈન્સ્ટીટ્યૂટ ઓફ ટેકનોલોજી, સુરતનાં જુદા જુદા રહેણાંક / બિન રહેણાંક મકાનો માટે મરામતની કામગીરી માટેનાં ભાવપત્રક .	૧૦,૦૦૦/-

ઉપરોક્ત કામનાં ટેન્ડરો તા.૦૭/૦૩/૨૦૧૯ થી ૨૭/૦૩/૨૦૧૯ સુંઢીમાં સંસ્થાની વેબસાઈટ [www.svnit.ac.in](http://www.svnit.ac.in) પરથી ડાઉનલોડ કરી તા. ૦૨/૦૪/૨૦૧૯ ના રોજ કચેરી સમય દરમિયાન જરૂરી બાનાની રકમ તથા આ પ્રકારની કરેલ કામગીરીના સર્ટીફિકેટ સાથે RPAD/Speed Post દ્વારા સ્વીકારવામાં આવશે. બાનાની રકમ રોકડા અથવા બેંક ડ્રાફ્ટથી સ્વીકારવામાં આવશે. બાનાની રકમ વિનાનું ટેન્ડર સ્વીકારવામાં આવશે નહીં. પ્રસ્તુત ટેન્ડરો હાજર રહેલ કોન્ટ્રાક્ટરો સમક્ષ તા.૦૫/૦૪/૨૦૧૯ ના રોજ ૪:૦૦ કલાકે ખોલવામાં આવશે. કોઈ પણ ટેન્ડર સ્વીકારવુકે નહીં સ્વીકારવુ કે બધાજ ટેન્ડરો રદ કરવા તે અંગેની સંપૂર્ણ સતા સંસ્થાની રહેશે અને તે માટે કોઈ કારણો આપવામાં આવશે નહીં. વધુ વિગતો ટેન્ડર સાથે આપવામાં આવશે.

સુરત.

તા.

નિયામકશ્રી

**—:: ભાવ ભરતા સંબંધિત શરતો ::—**

- (૧) ભાવપત્રક સાથે બાનાની રકમ રૂ. ૧૦,૦૦૦/- (અંકે રૂપિયા દસ હજાર પુરા) ની રોકડા અથવા બેંક ડ્રાફ્ટથી “DIRECTOR SVNIT MHRD FUND” ના નામની સામેલ રાખવાની રહેશે. બાનાની રકમ વગરના ભાવપત્રક ધ્યાને લેવામાં નહિ આવે.
- (૨) નિયત ભાવપત્રકો સિવાયના ભાવો ગણતરીમાં લેવામાં આવશે નહિ. ભાવ અંકો અને શબ્દોમાં લખવાના રહેશે. બંને વચ્ચે તફાવત માલુમ પડશે તો શબ્દોમાં લખેલા ભાવ અંતિમ ગણવામાં આવશે.
- (૩) આ કામની અનુસૂચિમાં જણાવવામાં આવેલ બાબતોની કામગીરીની જરૂરીયાતને આધિન કરાવવામાં આવશે. આ બાબતે કોઈ વિવાદ કે તકરાર ધ્યાને લેવામાં આવશે નહિ. કોઈપણ કારણો આપ્યા સિવાય એક અથવા બધા જ ભાવપત્રકો મંજૂર / નામંજૂર કરવાની સત્તા નિયામકશ્રી, એસ. વી. એન. આઈ . ટી., સુરત ને અબાધિત છે.
- (૪) આ ભાવપત્રકમાં જણાવેલ બાબતો મુખ્યત્વે આ સંસ્થા હેઠળના કાર્યક્ષેત્રમાં ઉપયોગમાં લેવા માટે વાર્ષિક ધોરણે મંગાવવામાં આવે છે. મંજૂર કરાવવામાં આવેલ ભાવની સમયોચિત મુદત વધારવા કે ઘટાડવા બાબતે નિયામકશ્રી, એસ. વી. એન. આઈ . ટી., સુરત નો નિર્ણય અંતિમ અને આખરી રહેશે.
- (૫) ગમે તે કારણોસર નિયત સમય બાદ કે બાનાની રકમ સિવાયના અને શરતી ભાવો ગણતરીમાં લેવામાં આવશે નહિ.
- (૬) સરકારશ્રીના વખતોવખતના નિયમો ભાવ ભરનાર ઠેકેદારશ્રીને બંધનકર્તા રહેશે. તેમજ ઠેકેદાર ધ્વારા ભરવામાં આવેલ ભાવો તમામ પ્રકારના ટેક્ષ સાથેના જ રહેશે. અલગથી કોઈ ટેક્ષ ચૂકવવામાં નહિ આવે.
- (૭) કોન્ટ્રાક્ટરનાં બીલ લગત ડીન શ્રી, (આયોજન અને વિકાસ) એસ. વી. એન. આઈ . ટી., સુરત મારફત ચૂકવણાં અર્થે રજૂ કરવાના રહેશે.
- (૮) મંજૂર કરવામાં આવેલ ભાવ બાબતે કામની જરૂરીયાતના જથ્થા મુજબ સંસ્થાના પ્રવર્તમાન નિયમોનુસાર કરારનામાની જરૂરી સિક્યોરીટી ડીપોઝીટ ભરી ઠેકેદારશ્રીએ કામ કરવાનું રહેશે.
- (૯) ઠેકેદારશ્રીએ અનુસૂચિમાં જણાવેલ બાબતો અન્વયેની કામગીરી/ માલસામાનની જરૂરીયાત ઉભી થયે સુચના મુજબ સમયમર્યાદામાં પૂરી કરવાની/ પાડવાની રહેશે.
- (૧૦) કામના જથ્થા, ગુણવત્તા અને જરૂરીયાત અંગે કોઈપણ તકરાર કે ગૂંચવણ ઉભી થયે નિયામકશ્રી, એસ. વી. એન. આઈ. ટી., સુરતનો નિર્ણય આખરી રહેશે અને ઠેકેદારને બંધનકર્તા રહેશે. નિયત સમય મર્યાદામાં પુરા ન કરેલ કામ બાબતે સંસ્થાના પ્રવર્તમાન નિયમોનુસાર સક્ષમ અધિકારી દંડની જે રકમ નક્કી કરે તે ઠેકેદારને બીલમાંથી કપાત કરવામાં આવશે.
- (૧૧) આ કામ માટેના ઈજારદારો તરફથી ભરાઈને આવેલ ટેન્ડર પૈકી મંજૂર થયેલ ભાવે, ભાવ ભરનાર અન્ય ઈજારદાર પાસેથી કોઈપણ આઈટમની કામગીરી કરાવી શકાશે અને તે બાબતે અન્ય ઈજારદાર તરફથી કોઈ વાંધો—તકરાર ઉભી કરવાની રહેશે નહિ.
- (૧૨) ભાવપત્રકમાં જણાવેલ આઈટમ્સની કામગીરી કરાવવા માટે આ કચેરી બંધાયેલ નથી. જો કોઈપણ કામ કરાવવામાં અથવા માલસામાન ખરીદ કરવામાં નહિ આવે, તો ભાવ ભરનાર કોઈ હકક દાવો કરી શકશે નહિ.
- (૧૩) કામમાં વાપરવાનો થતો માલસામાન સક્ષમ અધિકારીશ્રી પાસે મંજૂર કરાવ્યા બાદ તેમજ નિયમોનુસાર સંસ્થા માન્ય લેબોરેટરીમાં ટેસ્ટીંગ રીપોર્ટ મેળવ્યા બાદ જ ઉપયોગમાં લેવાનો રહેશે.
- (૧૪) ભાવો ભરનાર એજન્સી ધ્વારા અસાધારણ નીચા ભાવો ભરવામાં આવશે તે મંજૂર કરવામાં આવશે નહિ અને આવા ઈજારદારો પાસેથી જામીન અનામતની નિયત રકમ રૂ. ૧૦,૦૦૦/- (અંકે રૂપિયા દસ હજાર પુરા)ની બમણી એટલે કે રૂ. ૨૦,૦૦૦/- (અંકે રૂપિયા વીસ હજાર પુરા) જામીન અનામત પેટે જમા લેવામાં આવશે.
- (૧૫) આ કામની અનુસૂચિમાં જણાવેલ તમામ બાબતો મેં / અમે વાંચી છે, સમજી છે અને તે મુજબ ભાવો ભરેલ છે.
- (૧૬) ટેન્ડર મુજબની વિવિધ કામગીરી માટે ઈજારદારશ્રીએ કારીગર કુશળ તથા બિનકુશળ મજદુર, ડ્રાઈવર વિગેરે પુખ્ત ઉમરના અને શારીરિક સક્ષમ હોય તેવા રોકવાના રહેશે.

- (૧૭) લઘુત્તમ વેતન દર અંગેની સંપૂર્ણ જવાબદારી ઈજારદારશ્રીની રહેશે.
- (૧૮) ટેન્ડર મુજબ વિવિધ કામગીરી દરમ્યાન રોકેલ કારીગર / મજૂર / ઓપરેટર વિગેરેને અકસ્માત / અન્ય સંજોગોથી કોઈપણ શારીરિક કે અન્ય નુકશાન થાય તો તે અંગેની જવાબદારી આ ખાતાની રહેશે નહિ.
- (૧૯) વિવિધ પ્રકારની કામગીરી દરમ્યાન કારીગર / મજૂર / ઓપરેટર ધ્વારા સરકારી મિલકતને નુકશાન / ચીજ વસ્તુની ચોરી થશે તો તેની સંપૂર્ણ જવાબદારી ઈજારદારશ્રી ની રહેશે.
- (૨૦) આ ટેન્ડરો મરામતની કામગીરી પ્રકારના હોય, કોઈપણ પ્રકારની નાની-મોટી કામગીરી કરી આપવા માટે ઈજારદારશ્રી બંધનકર્તા રહેશે.
- (૨૧) ટેન્ડર આઈટમ પૈકી કામના સ્થળે કામ પૂર્ણ થયા બાદ ડેબરીઝ વિગેરે સુચના મુજબ દુર ફેંકી બરાબર સાફ-સફાઈ કરી આપવાની રહેશે.
- (૨૨) શરતી ભાવો સ્વીકારવામાં આવશે નહિ.
- (૨૩) જ્યાંસુધી નવા ભાવ મંજૂર ન થાય ત્યાંસુધી અનામતની રકમ પરત આપવામાં આવશે નહિ, નવા ભાવ મંજૂર થયેથી અનામતની રકમ પરત કરવામાં આવશે.
- (૨૪) જરૂરીયાત મુજબની કામગીરી જરૂરીયાતનાં સમયે અગત્યતા મુજબ હાથ ધરવાની રહેશે અન્યથા મંજૂર થયેલા ભાવથી અન્ય ઈજારદારશ્રી પાસેથી કરાવવામાં આવશે જે બાબતે કોઈ વાંધો કે તકરાર ઉભી કરવાની રહેશે નહીં.
- (૨૫) ભાવો ભરનાર ઈજારદારશ્રી પાસે પ્લમ્બર, કડીયા, સુથાર, ઓપરેટર, કુશળ કારીગરો તેમજ રોજમદારો સરળતાથી ઉપલબ્ધ હોવા જોઈએ.
- (૨૬) ઈજારદાર દ્વારા નોંધાયેલ શ્રમિકોના બેંકમાં ખાતા ન હોય તેવા શ્રમિકોને બેંકમાં ખાતા ખોલવાના રહેશે અને વેતન ચુકવણું રોકડમાં ન કરતા એકાઉન્ટમાં કરવાનું રહેશે.
- (૨૭) ઈજારદારશ્રીએ બધી આઈટમના ભાવો સરકારશ્રીના લાગુ પડતાં બધાં કરવેરા અને GST સાથેના ભરવાનાં રહેશે.
- (૨૮) તા.૧/૭/૧૭ થી GST કરમાળખું અમલમાં આવેલ છે. જે અનુસાર સદર કામમાં GST માં દર્શાવ્યા અનુસાર ટેક્સ ભરપાઈ કરવાનો થશે. જે ધ્યાને લઈ GST ના નવા કરમાળખા અનુસાર ટેન્ડર ભરવા વિનંતી છે. ટેન્ડરમાં ભરેલ ભાવો GST તથા અન્ય ટેક્સ સહિતનાં ગણવામાં આવશે. પાછળથી ટેન્ડરમાં GST ના કારણે નાણાકીય ભારણ આવેલ છે. તેવી રજૂઆત ગ્રાહ્ય રાખવામાં આવશે નહીં. તેમજ સંસ્થા દ્વારા આ અંગે કોઈ વિવાદને ધ્યાને લેવામાં આવશે નહીં. જેની ખાસ નોંધ લેવા વિનંતી.
- (૨૯) દરેક ઈજારદારશ્રીએ GST અંગેનું રજીસ્ટ્રેશન લઈ રજૂ કરવાનું રહેશે.

### નિયામક

એસ.વી.એન.આઈ.ટી., સુરત

ઉપર્યુક્ત શરતો મેં / અમે વાંચી છે, સમજી છે અને તે મુજબ કામગીરી કરવા હું / અમો સંમત છીએ.

ભાવ ભરનાર ઈજારદારની સહી  
તથા પેઢીનું નામ

કામનું નામ : સરદાર વલ્લભભાઈ નેશનલ ઈન્સ્ટીટ્યૂટ ઓફ ટેકનોલોજી, સુરતનાં જુદા જુદા રહેણાંક / બિન રહેણાંક મકાનો માટે મરામતની કામગીરી માટેનાં ભાવપત્રક .

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Item No.	Item of work	Unit	Rate	
			In figure	In words
<b>A</b>	<b>EXCAVATION/ EARTH WORK</b>			
1	Excavation for foundation upto 1.5 m depth including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(A) Loose or soft soil	cu.m		
2	Excavation for foundation for depth from 1.5 m to 3.0 m including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(A) Loose or soft soil	cu.m		
3	Excavation for foundation for depth from 3.0 m to 5.0 m including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(A) Loose or soft soil	cu.m		
4	Filling available excavated earth (excluding rock) in trenches. plinth, sides of foundations etc. in layers not exceeding 20 cm. in depth consolidating each disposed layer by ramming and watering.	cu.m		
5	Filling in plinth with sand under floors including watering ramming, consolidating and dressing complete	cu.m		
6	Filling in foundation and plinth with murrum or selected soil in layers of 20cm. thickness including watering, ramming and consolidating etc. complete.	cu.m		
7	Filling in foundation and plinth with brick Bats Chhara in layers of 20cm. thickness including watering, ramming and consolidating etc. complete.	cu.m		
8	Boring holes 3.5 m deep in ordinary soil (for cast in situ piles) and getting out the soil and disposal of the surplus excavated soil as directed within a lead of 50 Meter for following diameter of pipes.(i)200 mm	Each		
9	Boring holes 3.5 m deep in ordinary soil (for cast in situ piles) and getting out the soil and disposal of the surplus excavated soil as directed within a lead of 50 Meter for following diameter of pipes.(ii) 250 mm	Each		
10	Boring holes 3.5 m deep in ordinary soil (for cast in situ piles) and getting out the soil and disposal of the surplus excavated soil as directed within a lead of 50 Meter for following diameter of pipes.(iii) 300 mm	Each		
11	Extra for under reaming inside the bore Holes for under reamed piles of following Diameter.(i) 200 mm	Each		
12	Extra for under reaming inside the bore Holes for under reamed piles of following Diameter.(ii) 250 mm	Each		
13	Extra for under reaming inside the bore Holes for under reamed piles of following Diameter.(iii) 300 mm	Each		
14	Add to or deduct from the rate for Bore Holes of 3.5 m Depth, if bore holes are made deeper or shallower than 3.5M. for Piles of following diameter.(i) 200 mm	Each		
15	Add to or deduct from the rate for Bore Holes of 3.5 m Depth, if bore holes are made deeper or shallower than 3.5M. for Piles of following diameter.(ii) 250 mm	Each		
16	Add to or deduct from the rate for Bore Holes of 3.5 m Depth, if bore holes are made deeper or shallower than 3.5M. for Piles of following diameter.(iii) 300 mm	Each		

Item No.	Item of work	Unit	Rate	
			In figure	In words
<b>B</b>	<b>CONCRETE WORK</b>			
17	Providing and laying cement concrete 1:4:8 (1 Cement : 4 coarse sand : 8 crushed stone aggregates 40 mm nominal size) and curing complete excluding cost of formwork in (A) Foundation and Plinth	cu.m		
18	Providing and laying cement concrete 1:3:6 (1 Cement : 3 Coarse sand : 6 crushed stone aggregates 20 mm nominal size) and curing complete including cost of formwork in (A) Wall Caps/ Coping	cu.m		
19	Providing and laying cement concrete 1:5:10 (1 Cement : 5 Coarse sand : 10 crushed stone aggregates 40 mm nominal size) and curing complete excluding cost of formwork in (A) Foundation and Plinth	cu.m		
20	Providing and laying cement concrete 1:2:4 (1-Cement : 2- Coarse sand : 4- graded stone aggregates 20 mm nominal size) and curing complete excluding cost of formwork in (A) Foundation and Plinth	cu.m		
21	Providing and laying cement concrete 1:2:4 (1-Cement : 2- Coarse sand : 4- graded stone aggregates 20 mm nominal size) and curing complete excluding cost of formwork in (B)Independent piers, columns, and pillars, upto floor two level	cu.m		
22	Providing and laying cement concrete work 1:2:4 (1 Cement : 2 Coarse sand : 4 graded stone aggregates 20 mm nominal size) and curing complete excluding cost of formwork and reinforcement for reinforced concrete work in (A) Foundations, footings, Base or columns and Mass concrete	cu.m		
23	Providing and laying cement concrete work 1:2:4 (1-Cement : 2- Coarse sand : 4- graded stone aggregates 20 mm nominal size) and curing complete excluding cost of formwork and reinforcement for reinforced concrete work in (B) Slabs, landing, shelves, Balconis , Lintels, Beams, Girders and Cantilever upto floor two level.	cu.m		
24	Providing and laying cement concrete work 1:2:4 (1 Cement : 2 Coarse sand : 4 graded stone aggregates 20 mm nominal size) and curing complete excluding cost of formwork and reinforcement for reinforced concrete work in (D) Columns, Pillars posts and struts upto floor two level.	cu.m		
25	Providing and laying cement concrete work 1:2:4 (1-Cement : 2- Coarse sand : 4- graded stone aggregates 20 mm nominal size) and curing complete excluding cost of formwork and reinforcement for reinforced concrete work in (E)Staircases excluding landing upto floor two level	cu.m		
26	Providing and laying cement concrete work 1:2:4 (1-Cement : 2- Coarse sand : 4- graded stone aggregates 20 mm nominal size) and curing complete excluding cost of formwork and reinforcement for reinforced concrete work in (K)Vertical and Horizontal its upto floor two level.	cu.m		

Item No.	Item of work	Unit	Rate	
			In figure	In words
27	Providing and laying cement concrete 1:2:4 (1- Cement : 2- Coarse sand : 4- graded stone aggregates 20 mm nominal size) for reinforced concrete Chhajjas not exceeding 10cm. thickness upto floor two level including finishing the exposed surfaces with cement mortar 1:3 (1-cement, 3 Fine sand) to give a smooth and even surface centering and formwork and curing complete excluding cost of reinforcement.	cu.m		
28	Providing IS mark TMT Bar FE 415 reinforcement for R.C.C. work including bending, binding and placing in position complete upto floor two level	kg		
29	Extra for additional lift of concrete for all R.C.C. work above floor two level excluding cost of reinforcement	cu.m		
30	Extra for additional lift of reinforcing steel for all R.C.C. work above floor two level.	kg		
31	Deduct for omitting in R.C.C. work smooth finishing of the exposed surface with cement mortar 1:3 (1 Cement : 3 Fine sand)	Sqm		
32	Providing throating or plaster drip and moulding to R.C.C. Chhajja.	Rmt		
33	Providing upto floor two level precast cement concrete jali or grill 1:2:4 mix (1- Cement : 2- coarse sand : 4-graded stone aggregate 6mm nominal size) reinforced with 1.6 mm dia. Mild steel wire including roughening, cleaning, fixing and finishing in cement mortar 1:3 and curing complete. (A) 50mm thick	Sqm		
34	Providing upto floor two level precast cement concrete jali or grill 1:2:4 mix (1- Cement : 2- coarse sand : 4-graded stone aggregate 6mm nominal size) reinforced with 1.6 mm dia. Mild steel wire including roughening, cleaning, fixing and finishing in cement mortar 1:3 and curing complete. (D) 75mm thick	Sqm		
35	Providing upto floor two level precast cement concrete jali or grill 1:2:4 mix (1- Cement : 2- coarse sand : 4-graded stone aggregate 6mm nominal size) reinforced with 1.6 mm dia. Mild steel wire including roughening, cleaning, fixing and finishing in cement mortar 1:3 and curing complete. (E) 100mm thick	Sqm		
36	Extra for additional lift for providing and fixing in position precast R.C.C. units above floor two level	Sqm		
37	Extra for providing and mixing water proofing material in Cement concrete in mix proportion recommended by the manufacturers.	Litres or Kg per Quintal of Cement		
38	Providing and laying controlled cement concrete M.150 for curing complete excluding cost of formwork and reinforcement for reinforced concrete work in (A) Foundations, footings, Base of columns and Mass concrete	cu.m		
39	Providing and laying controlled cement concrete M.150 for curing complete excluding cost of formwork and reinforcement for reinforced concrete work in (B) Walls, from top of foundation level upto floor two level	cu.m		
40	Providing and laying controlled cement concrete M.150 for curing complete excluding cost of formwork	cu.m		



Item No.	Item of work	Unit	Rate	
			In figure	In words
	and reinforcement for reinforced concrete work in (C) Slabs, landing, shelves, Balconies, Lintels, Beams, Girders and Cantilever upto floor two level			
41	Providing and laying controlled cement concrete M.150 for curing complete excluding cost of formwork and reinforcement for reinforced concrete work in (D) Columns, Pillars posts and struts upto floor two level.	cu.m		
42	Providing and laying controlled cement concrete M.150 for curing complete excluding cost of formwork and reinforcement for reinforced concrete work in (E) Staircases excluding landing upto floor two level	cu.m		
43	Providing and laying controlled cement concrete M.150 for curing complete excluding cost of formwork and reinforcement for reinforced concrete work in (K) Vertical and Horizontal its upto floor two level.	cu.m		
44	Providing and laying controlled cement concrete M.200 and curing complete excluding the cost of formwork and reinforcement for reinforced concrete work in (A) Foundations, footings, Base of columns and Mass concrete	cu.m		
45	Providing and laying controlled cement concrete M.200 and curing complete excluding the cost of formwork and reinforcement for reinforced concrete work in (B) Walls, from top of foundation level upto floor two level	cu.m		
46	Providing and laying controlled cement concrete M.200 and curing complete excluding the cost of formwork and reinforcement for reinforced concrete work in (C) Slabs,landing,shelves,Balconies Lintels, Beams, Girders and Cantilever upto floor two level.	cu.m		
47	Providing and laying controlled cement concrete M.200 and curing complete excluding the cost of formwork and reinforcement for reinforced concrete work in (D) Columns, Pillars posts and struts upto floor two level.	cu.m		
48	Providing and laying controlled cement concrete M.200 and curing complete excluding the cost of formwork and reinforcement for reinforced concrete work in (E) Staircases excluding landing upto floor two level	cu.m		
49	Providing and laying controlled cement concrete M.200 and curing complete excluding the cost of formwork and reinforcement for reinforced concrete work in (K) Vertical and Horizontal its upto floor two level.	cu.m		
50	Providing and laying controlled cement concrete M.250 and curing complete excluding the cost of formwork and reinforcement for reinforced concrete work in (A) Foundations, footings, Base of columns and Mass concrete.	cu.m		
51	Providing and laying controlled cement concrete M.250 and curing complete excluding the cost of formwork and reinforcement for reinforced concrete work in (B) Walls, from top of foundation level upto floor two level	cu.m		

Item No.	Item of work	Unit	Rate	
			In figure	In words
52	Providing and laying controlled cement concrete M.250 and curing complete excluding the cost of formwork and reinforcement for reinforced concrete work in (C) Slabs,landing,shelves,Balconies, Lintels, Beams, Girders and Cantilever upto floor two level.	cu.m		
53	Providing and laying controlled cement concrete M.250 and curing complete excluding the cost of formwork and reinforcement for reinforced concrete work in (D) Columns, Pillars posts and struts, upto floor two level.	cu.m		
54	Providing and Laying ordinary cement concrete 1:2:4 (1- Cement 2- coarse sand : 4- graded stone aggregates 20 mm nominal size) and finishing smooth with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C work in (iii) Slabs having more than 10 cm and upto 13 cm. thickness	cu.m		
55	Providing and Laying ordinary cement concrete 1:2:4 (1- Cement 2- coarse sand : 4- graded stone aggregates 20 mm nominal size) and finishing smooth with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C work in (iv) Slabs having more than 13 cm and upto 15 cm.thickness	cu.m		
56	Providing and Laying controlled cement concrete M.150 and finishing smooth with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C work in (iii) Slabs having more than 10 cm and upto 13 cm. thickness	cu.m		
57	Providing and Laying controlled cement concrete M.150 and finishing smooth with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C work in (iv) Slabs having more than 13 cm and upto 15 cm.thickness.	cu.m		
58	Providing and laying ordinary cement concrete 1:2:4 (1- Cement 2- coarse sand : 4- graded stone aggregates 20 mm nominal size) for R.C.C lintel including finishing smooth with,curing etc. complete including the cost of formwork but excluding the cost of reinforcement.	cu.m		
59	Providing and laying ordinary cement concrete 1:2:4 (1- Cement 2- coarse sand : 4- graded stone aggregates 20 mm nominal size) and finishing smooth with,curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C work in (A) BEAMS :(i) Having cross-sectional area 0.05 to 0.08 Sq.M	cu.m		
60	Providing and laying ordinary cement concrete 1:2:4 (1- Cement 2- coarse sand : 4- graded stone aggregates 20 mm nominal size) and finishing smooth with,curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C work in (A) BEAMS :(ii) Having cross-sectional area more than 0.08Sq.M and upto 0.12 Sq.M.	cu.m		
61	Providing and laying ordinary cement concrete 1:2:4 (1- Cement 2- coarse sand : 4- graded stone aggregates 20 mm nominal size) and finishing smooth	cu.m		

Item No.	Item of work	Unit	Rate	
			In figure	In words
	with,curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C work in (A) BEAMS :(iii) Having cross-sectional area more than 0.12Sq.M and upto 0.18 Sq.M.			
62	Providing and laying ordinary cement concrete 1:2:4 (1- Cement 2- coarse sand : 4- graded stone aggregates 20 mm nominal size) and finishing smooth with,curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C work in (B) COLUMNS: (i) Having cross-sectional area 0.05 to 0.08 Sq.M.	cu.m		
63	Providing and laying ordinary cement concrete 1:2:4 (1- Cement 2- coarse sand : 4- graded stone aggregates 20 mm nominal size) and finishing smooth with,curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C work in (B) COLUMNS: (ii) Having cross-sectional area more than 0.08 Sq.M and upto 0.18 Sq.M	cu.m		
64	Providing and laying ordinary cement concrete 1:2:4 (1- Cement 2- coarse sand : 4- graded stone aggregates 20 mm nominal size) and finishing smooth with,curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C work in (B) COLUMNS: (iii) Having cross-sectional area more than 0.12Sq.M and upto 0.18 Sq.M	cu.m		
65	Providing and applying anticorrosive treatment with polymer base materials to the steel reinforcement including descaling the dust and applying the preventive coating of approved make (for the R.C.C. structures near coastal area only) etc complete.	MT		
66	Providing and fixing in expansion joint 100 mm thick SIL FLEX (Capcell HD 100) expansion joint board of best quality and approved make including cutting to required size and shape at all levels etc. complete as directed.	Sqm		
67	Providing and laying and fixing 50 mm thick expansion joint by hydro cell semi rigid UV resistance with high performance laminated closed cell polythene foam joint filler in sheet foam as directed, etc. complete.	Sqm		
68	Providing and laying and fixing 25 mm thick expansion joint by hydro cell semi rigid UV resistance with high performance laminated closed cell polythene foam joint filler in sheet foam as directed, etc. complete.	Sqm		
69	Applying and providing Expansion joint sealing System on 100 mm wide joint including cleaning of expansion joint by mechanical means provision of adhesive and flexible membrane with required bond length as per manufacturer specification and 4mm thick aluminium strip covering with one side slotted and bolted with suitable system, inclusive of all manpower, machinery and material as per specification and as directed.	Sqm		
70	Providing and filling the expansion joint by Thioflex 600 polymer or equivalent conform to BS 4254-1983 as per required shade and manufactured specification by making groove of 50 mm x 12.5 mm lather	Sqm		

Item No.	Item of work	Unit	Rate	
			In figure	In words
	by cutting or by repairing groove and removing mortar drop or any other foreign materials including applying primer and filling required size (oversize of joint PU foam etc. complete.			
71	Providing and filling the expansion joint by Thioflex 600 polymer or equivalent confirm to BS 4254-1983 as per required shade and manufactured specification by making groove of 25 mm x 12.5 mm lather by cutting or by repairing groove and removing mortar drop or any other foreign materials including applying primer and filling required size (oversize of joint PU foam etc. complete.	Sqm		
72	Providing and fixing 25 cm Wide & 3mm thick exterior composite panel on existing expansion joint horizontally & vertically with all material, hardware, accessories & fittings etc completed.	Sqm		
73	Providing and laying in position Ready Mixed M-150 grade concrete for reinforced cement concrete work , using cement content as per approved Design Mix manufactured in fully automatic batching plant and transported to site of work in transit mixer for a lead up to 10 kms having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work including pumping of R.M.C. from transit mixer to site of laying, excluding the cost of centering shuttering finishing and reinforcement including cost of admixtures in recommended proportions as per IS: 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer - in - charge. Without Fly Ash (Min cement level as per latest IS 456 shall be maintained) (Cement level 320 kg )	cu.m		
74	Providing and laying in position Ready Mixed M-200 grade concrete for reinforced cement concrete work , using cement content as per approved Design Mix manufactured in fully automatic batching plant and transported to site of work in transit mixer for a lead up to 10 kms having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work including pumping of R.M.C. from transit mixer to site of laying, excluding the cost of centering shuttering finishing and reinforcement including cost of admixtures in recommended proportions as per IS: 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer - in - charge. Without Fly Ash (Min cement level as per latest IS 456 shall be maintained) (Cement level 400 kg )	cu.m		
75	Providing and laying in position Ready Mixed M-250 grade concrete for reinforced cement concrete work , using cement content as per approved Design Mix manufactured in fully automatic batching plant and transported to site of work in transit mixer for a lead up to 10 kms having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work including pumping of R.M.C. from transit mixer to site of laying, excluding the cost of centering shuttering finishing and	cu.m		

Item No.	Item of work	Unit	Rate	
			In figure	In words
	reinforcement including cost of admixtures in recommended proportions as per IS: 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer - in - charge. Without Fly Ash (Min cement level as per latest IS 456 shall be maintained) (Cement level 450 kg )			
76	Providing and laying in position Ready Mixed M-300 grade concrete for reinforced cement concrete work , using cement content as per approved Design Mix manufactured in fully automatic batching plant and transported to site of work in transit mixer for a lead up to 10 kms having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work including pumping of R.M.C. from transit mixer to site of laying, excluding the cost of centering shuttering finishing and reinforcement including cost of admixtures in recommended proportions as per IS: 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer - in - charge. Without Fly Ash (Min cement level as per latest IS 456 shall be maintained) (Cement level 475 kg )	cu.m		
77	Providing and laying in position Ready Mixed M-350 grade concrete for reinforced cement concrete work , using cement content as per approved Design Mix manufactured in fully automatic batching plant and transported to site of work in transit mixer for a lead up to 10 kms having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work including pumping of R.M.C. from transit mixer to site of laying, excluding the cost of centering shuttering finishing and reinforcement including cost of admixtures in recommended proportions as per IS: 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer - in - charge. Without Fly Ash (Min cement level as per latest IS 456 shall be maintained) (Cement level 500 kg )	cu.m		
78	Providing and applying anti carbonation, anti fading, mold resistant, heat insulating, and 100% acrylic breathable decorative external waterproof coating of approved shade having Viscosity @ Room Temperature by Ford cup No. B-4 (dilute 2 parts of product with 1 part of water) 18 to 30 sec. pH of 7.00 to 10.00 and Sp. Gravity @ Room Temperature 1.30+0.1, tested for carbon dioxide diffusion resistance properties for coating materials and coating systems for exterior masonry and concrete as per DIN EN 1062-6 (2002-2010) by a NBA Grade "A" accredited institution.	Sqm		
79	Providing and fixing CAPCELL HD - 100 pre-moulded compressible filler board in black colour confirming to MoRT&H Specifications (Clause 1015), having minimum density 95kg/cum.metre, non-staining with less than 1% water absorption & compression recovery of 93% minimum as per specification for 12 mm wide expansion joint including cutting to required	Sqm		

Item No.	Item of work	Unit	Rate	
			In figure	In words
	size and shape at all levels etc. complete as directed.			
80	Providing and fixing CAPCELL HD - 100 pre-moulded compressible filler board in black colour confirming to MoRT&H Specifications (Clause 1015), having minimum density 95kg/cum.metre, non-staining with less than 1% water absorption & compression recovery of 93% minimum as per specification for 20 mm wide expansion joint including cutting to required size and shape at all levels etc. complete as directed.	Sqm		
81	Providing and fixing CAPCELL HD - 100 pre-moulded compressible filler board in black colour confirming to MoRT&H Specifications (Clause 1015), having minimum density 95kg/cum.metre, non-staining with less than 1% water absorption & compression recovery of 93% minimum as per specification for 40 mm wide expansion joint including cutting to required size and shape at all levels etc. complete as directed.	Sqm		
82	Providing and applying the elastomeric joint sealant two component, high performance polysulfide formulation conforming to BS:4254 and ASTM C 920 having weathering resistance to ultra-violet rays and shall exhibit shore A hardness of 25 and have movement accommodation factor 25% including using of compatible primer of approved standard etc. complete. for 12 mm thick joint	Rmt		
83	Providing and applying the elastomeric joint sealant two component, high performance polysulfide formulation conforming to BS:4254 and ASTM C 920 having weathering resistance to ultra-violet rays and shall exhibit shore A hardness of 25 and have movement accommodation factor 25% including using of compatible primer of approved standard etc. complete. For 20 mm thick joint	Rmt		
<b>C</b>	<b>MASANARY WORK</b>			
84	Brick work using common burnt clay building bricks having crushing strength not less than 35 kg./Sq.Cm. in foundation and plinth in Cement Mortar 1:5. (1- Cement : 5 -fine sand)(B) Conventional	cu.m		
85	Brick work using building bricks having crushing strength not less than 70 kg./Sq.Cm. in foundation and plinth in Cement Mortar 1:5. (1- Cement : 5 -fine sand) (C) Fly Ash Bricks	cu.m		
86	Brick work using common burnt clay building bricks having crushing strength not less than 35 kg./Sq.Cm. in foundation and plinth in Cement Mortar 1:6 (1- Cement : 6 -fine sand)(B) Conventional	cu.m		
87	Brick work using building bricks having crushing strength not less than 70 kg./Sq.Cm. in foundation and plinth in Cement Mortar 1:6 (1- Cement : 6 -fine sand) (C) Fly Ash Bricks	cu.m		
88	Brick work using common burnt clay building bricks having crushing strength not less than 35 kg./Sq.Cm. in foundation and plinth in Cement Mortar 1:8 (1- Cement : 8 -fine sand)(B) Conventional	cu.m		
89	Brick work using building bricks having crushing strength not less than 70 kg./Sq.Cm. in foundation	cu.m		

Item No.	Item of work	Unit	Rate	
			In figure	In words
	and plinth in Cement Mortar 1:8 (1- Cement : 8 -fine sand)(C) Fly Ash Bricks			
90	Brick work using common burnt clay building bricks having crushing strength not less than 35 kg./Sq.Cm. in foundation and plinth in Lime Mortar 1:1.5 (1- Lime putty :1.5 -fine sand)(B) Conventional	cu.m		
91	Brick work using building bricks having crushing strength not less than 70 kg./Sq.Cm. in foundation and plinth in Lime Mortar 1:1.5 (1- Lime putty :1.5 -fine sand)(C) Fly Ash Bricks	cu.m		
92	Brick work using common burnt clay building bricks having crushing strength not less than 35 kg./Sq.Cm. in foundation and plinth in Lime Mortar 1: 2 (1- Lime putty : 2 -fine sand)(B) Conventional	cu.m		
93	Brick work using building bricks having crushing strength not less than 70 kg./Sq.Cm. in foundation and plinth in Lime Mortar 1: 2 (1- Lime putty : 2 -fine sand)(C) Fly Ash Bricks	cu.m		
94	Extra for brick work in superstructure above plinth level upto floor two level (B) Conventional	cu.m		
95	Extra for brick work in superstructure above plinth level upto floor two level(C) Fly Ash Bricks	cu.m		
96	Extra for brick work in superstructure above floor two level Item No. 1(6.12) (B) Conventional	per floor per cu.m		
97	Extra for brick work in superstructure above floor two level Item No. 1(6.12) (C) Fly Ash Bricks	per floor per cu.m		
98	Extra for brick work in superstructure above floor two level Item No. 2(6.13) (B) Conventional	per floor per cu.m		
99	Extra for brick work in superstructure above floor two level Item No. 2(6.13) (C) Fly Ash Bricks	per floor per cu.m		
100	Extra for brick work in superstructure above floor two level Item No. 3 (B) Conventional	per floor per cu.m		
101	Extra for brick work in superstructure above floor two level Item No. 3 (C) Fly Ash Bricks	per floor per cu.m		
102	Extra for brick work in superstructure above floor two level Item No. 4 (B) Conventional	per floor per cu.m		
103	Extra for brick work in superstructure above floor two level Item No. 4 (C) Fly Ash Bricks	per floor per cu.m		
104	(i) Half brick masonry in common burnt clay building bricks having crushing strength not less than 35 Kg/Sq.Cm. in Cement mortar 1:4 (1- Cement : 4 - coarse sand) in foundation and plinth (B) Conventional	Sqm		
105	(i) Half brick masonry in building bricks having crushing strength not less than 70 Kg/Sq.Cm. in Cement mortar 1:4 (1- Cement : 4 -coarse sand ) in foundation and plinth (C)Fly Ash Bricks	Sqm		
106	(ii) Half brick masonry in common burnt clay building bricks having crushing strength not less than 35 Kg/Sq.Cm. in Cement mortar 1:5 (1- Cement : 5 - coarse sand) in foundation and plinth (B) Conventional	Sqm		

Item No.	Item of work	Unit	Rate	
			In figure	In words
107	(ii) Half brick masonry in building bricks having crushing strength not less than 70 Kg/Sq.Cm. in Cement mortar 1:5 (1- Cement : 5 -coarse sand ) in foundation and plinth (C)Fly Ash Bricks	Sqm		
108	(iii) Half brick masonry in common brunt clay building bricks having crushing strength not less than 35 Kg/Sq.Cm. in Lime mortar 1:1.5 (1- Lime : 1.5 -coarse sand) in foundation and plinth (B) Conventional	Sqm		
109	(iii) Half brick masonry in building bricks having crushing strength not less than 70 Kg/Sq.Cm. in Lime mortar 1:1.5 (1- Lime : 1.5 -coarse sand) in foundation and plinth (C)Fly Ash Bricks	Sqm		
110	Half brick masonry in common brunt clay building bricks having crushing strength not less than 35 Kg/Sq.Cm. in Cement mortar 1:3 (1-Cement : 3-coarse sand) with 2 Nos of 6mm Mild steel round bars after every three course embedded in Cement Mortar in foundation and plinth (B) Conventional	Sqm		
111	Half brick masonry in building bricks having crushing strength not less than 70 Kg/Sq.Cm. in Cement mortar 1:3 (1-Cement : 3-coarse sand) with 2 Nos of 6mm Mild steel round bars after every three course embedded in Cement Mortar in foundation and plinth (C)Fly Ash Bricks	Sqm		
112	Extra for half brick masonry in superstructure above plinth level upto floor two level. (B) Conventional	Sqm		
113	Extra for half brick masonry in superstructure above plinth level upto floor two level. (C)Fly Ash Bricks	Sqm		
114	Extra for half brick masonry in superstructure above floor two level.(B) Conventional	per floor per Sqm		
115	Extra for half brick masonry in superstructure above floor two level. (C) Fly Ash Bricks	per floor per Sqm		
116	Masonry work using Aerated light weight concrete block having crushing strength not less than 35 kg/sqcm for super structure above plinth level upto floor two level in cement mortar 1:5 ( 1 cement : 5 fine sand ) complete as per Technical Specification	cu.m		
<b>D</b>	<b>FORM WORK</b>			
117	Providing formwork of ordinary timber planking so as to give a rough finish including centering shuttering strutting and propping etc. Height of propping and centering below supporting floor to ceiling not exceeding 4 M. and removal of the same for in situ reinforced concrete and plain concrete work in. (A) Foundations Footings Bases of Columns etc. and Mass concrete.	Sqm		
118	Providing formwork of ordinary timber planking so as to give a rough finish including centering shuttering strutting and propping etc. Height of propping and centering below supporting floor to ceiling not exceeding 4 M. and removal of the same for in situ reinforced concrete and plain concrete work in. (B) Flat surfaces such as soffits of supspened floors slabs Landings and the like. (1) Floors etc. upto 200 mm in thickness.	Sqm		



Item No.	Item of work	Unit	Rate	
			In figure	In words
119	Providing formwork of ordinary timber planking so as to give a rough finish including centering shuttering strutting and propping etc. Height of propping and centering below supporting floor to ceiling not exceeding 4 M. and removal of the same for in situ reinforced concrete and plain concrete work in. (B) Flat surfaces such as soffits of suspended floor slabs Landings and the like. (2) Floors etc. above 200mm in thickness.	Sqm		
120	Providing formwork of ordinary timber planking so as to give a rough finish including centering shuttering strutting and propping etc. height of propping and centering below supporting floor to ceiling not exceeding 4 M. and removal of the same for in situ reinforced concrete and plain concrete work in. (C) Vertical surface such as walls (any thickness) partitions and the like including attached buttresses & string course & the like.	Sqm		
121	Providing formwork of ordinary timber planking so as to give a rough finish including centering shuttering strutting and propping etc. height of propping and centering below supporting floor to ceiling not exceeding 4 M. and removal of the same for in situ reinforced concrete and plain concrete work in. (G) Columns Pillars Posts and struts. (1) Square Rectangular Polygonal in plan.	Sqm		
122	Providing formwork of ordinary timber planking so as to give a rough finish including centering shuttering strutting and propping etc. height of propping and centering below supporting floor to ceiling not exceeding 4 M. and removal of the same for in situ reinforced concrete and plain concrete work in. (G) Columns Pillars Posts and struts. (2) Circular or curved in Plan.	Sqm		
123	Providing formwork of ordinary timber planking so as to give a rough finish including centering shuttering strutting and propping etc. height of propping and centering below supporting floor to ceiling not exceeding 4 M. and removal of the same for in situ reinforced concrete and plain concrete work in. (H) (1) Sides and soffits of Beams Beam Haunchings cantilevers Girders Bressumers and Lintels not exceeding 1 M. in Depth.	Sqm		
124	Providing formwork of ordinary timber planking so as to give a rough finish including centering shuttering strutting and propping etc. height of propping and centering below supporting floor to ceiling not exceeding 4 M. and removal of the same for in situ reinforced concrete and plain concrete work in. (H) (2) Sides and soffits of Beams Beam Haunchings cantilevers Girders Bressumers and Lintels exceeding 1M.in Depth.	Sqm		
125	Providing formwork of ordinary timber planking so as to give a rough finish including centering shuttering strutting and propping etc. height of propping and centering below supporting floor to ceiling not exceeding 4 M. and removal of the same for in situ reinforced concrete and plain concrete work in. (I) Edges of slabs and Breaks in floors and walls.	Sqm		

Item No.	Item of work	Unit	Rate	
			In figure	In words
126	Providing formwork of ordinary timber planking so as to give a rough finish including centering shuttering strutting and propping etc. height of propping and centering below supporting floor to ceiling not exceeding 4 M. and removal of the same for in situ reinforced concrete and plain concrete work in. (K) Small surface such as cantiever brackets and ends of steps caps and basses to pilasters and Columns and the like.	Sqm		
127	Providing formwork of ordinary timber planking so as to give a rough finish including centering shuttering strutting and propping etc. height of propping and centering below supporting floor to ceiling not exceeding 4 M. and removal of the same for in situ reinforced concrete and plain concrete work in. (L) Chullah Hoods, weather shades Chhajjas Corbels etc. including edges.	Sqm		
128	Providing formwork of ordinary timber planking so as to give a rough finish including centering shuttering strutting and propping etc. height of propping and centering below supporting floor to ceiling not exceeding 4 M. and removal of the same for in situ reinforced concrete and plain concrete work in. (M) Staircase with sloping or stepped soffits including risers and stringers excluding landing.	Sqm		
129	Providing formwork of ordinary timber planking so as to give a rough finish including centering shuttering strutting and propping etc. height of propping and centering below supporting floor to ceiling not exceeding 4 M. and removal of the same for in situ reinforced concrete and plain concrete work in. (Q) Vertical fins and vertical sun breakers.	Sqm		
130	Extra for additional height of propping and centering where the height of propping and centering exceeds 4 .0 M between supporting floor to ceiling including temporary brick or stone pillars for supporting as required. (i) Height more than 4.0 M. and upto 5.0 M.	Sqm		
131	Extra for additional height of propping and centering where the height of propping and centering exceeds 4 .0 M between supporting floor to ceiling including temporary brick or stone pillars for supporting as required. (ii) Height more than 5.0 M. and upto 6.0 M.	Sqm		
132	Extra for additional height of propping and centering where the height of propping and centering exceeds 4 .0 M between supporting floor to ceiling including temporary brick or stone pillars for supporting as required. (iii) Height more than 6.0 M. and upto 7.0 M	Sqm		
<b>E</b>	<b>WOOD WORK &amp; JOINERY</b>			
133	Providing wood work in frames of Doors, windows cleare story windows and othersimilar works wrought, framed and fixed in position. (A) Indian Teak Wood	10 Cu.Dm.		
134	Providing wood work in Trusses, Purling, Rafter, Post, Post Plates, wall plates and the like wrought framed, hoisted and fixed in position	10 Cu.Dm.		
135	Providing wood work in frames of false- ceiling, partitions etc sawn and put up in position. (A) Indian Teak Wood	10 Cu.Dm.		

Item No.	Item of work	Unit	Rate	
			In figure	In words
136	Providing and fixing 35 mm thick shutters for Doors, windows and clear story windows including anodised alluminium butt hinges with necessary screws.(A) Indian Teak Wood (1) Fully Panelled	Sqm		
137	Providing and fixing 35 mm thick shutters for Doors, windows and clear story windows including anodised alluminium butt hinges with necessary screws. (A) Indian Teak Wood (ii) Fully Glazed.	Sqm		
138	Providing and fixing 35 mm thick shutters for Doors, windows and clear story windows including anodised alluminium butt hinges with necessary screws. (A) Indian Teak Wood(iii) Partly panelled and partly glazed.	Sqm		
139	Providing and fixing 35 mm thick shutters for Doors, windows and clearstory windows including blackenamelled M.S. butt hinges with necessary screws. (A) Indian teak wood. (i) Fully Panelled.	Sqm		
140	Providing and fixing 35 mm thick shutters for Doors, windows and clearstory windows including blackenamelled M.S. butt hinges with necessary screws. (A) Indian teak wood. (ii) Fully Glazed.	Sqm		
141	Providing and fixing 35 mm thick shutters for Doors, windows and clearstory windows including blackenamelled M.S. butt hinges with necessary screws. (A) Indian teak wood. (iii) Partly panelled and partly glazed.	Sqm		
142	Providing and fixing 25 mm thick shutters for cupboards etc. including anodised alluminium butt hinges with necessary screws. (A) Indian teak wood. (i) Fully Panelled.	Sqm		
143	Providing and fixing 25 mm thick shutters for cupboards etc. including anodised alluminium butt hinges with necessary screws. (A) Indian teak wood. (ii) Fully Glazed.	Sqm		
144	Providing and fixing 25 mm thick shutters for cupboards etc. including anodised alluminium butt hinges with necessary screws. (A) Indian teak wood. (iii) Partly panelled and partly glazed.	Sqm		
145	Providing and fixing 25 mm thick shutters for cupboards etc. including black enamelled M.S. butt hinges with necessary screws. (A) Indian teak wood. (i) Fully Panelled.	Sqm		
146	Providing and fixing 25 mm thick shutters for cupboards etc. including black enamelled M.S. butt hinges with necessary screws. (A) Indian teak wood. (ii) Fully Glazed.	Sqm		
147	Providing and fixing 25 mm thick shutters for cupboards etc. including black enamelled M.S. butt hinges with necessary screws. (A) Indian teak wood. (iii) Partly panelled and partly glazed.	Sqm		
148	Add extra for providing and fixing 40 mm thick shutters instead of 35 mm thick shutters.	Sqm		
149	Providing and fixing 35 mm thick panelled ,glazed or panelled and glazed shutters, for Doors windows and clearstory windows including anodised alluminium But	Sqm		

Item No.	Item of work	Unit	Rate	
			In figure	In words
	hinges with necessary screws and indian teak wood shutters with. (A) Plywood sheet panels.			
150	Providing and fixing 35 mm thick panelled ,glazed or panelled and glazed shutters, for Doors windows and clearstory windows including anodised alluminium But hinges with necessary screws and indian teak wood shutters with. (B) Particle board panels	Sqm		
151	Providing and fixing 35 mm thick panelled ,glazed or panelled and glazed shutters, for Doors windows and clearstory windows including anodised alluminium But hinges with necessary screws and indian teak wood shutters with. (C) Hard board panels.	Sqm		
152	Providing and fixing 35 mm thick panelled ,glazed or panelled and glazed shutters, for Doors windows and clearstory windows including anodised alluminium But hinges with necessary screws and indian teak wood shutters with. (D) Asbestos sheet panels.	Sqm		
153	Providing and fixing 35 mm thick panelled, glazed or panelled and glazed shutters, for Doors windows and clearstory windows including black enamelled M.S. But hinges with necessary screws. (A) Plywood sheet panels.	Sqm		
154	Providing and fixing 35 mm thick panelled ,glazed or panelled and glazed shutters, for Doors windows and clearstory windows including black enamelled M.S. But hinges with necessary screws. (B) Particle board panels	Sqm		
155	Providing and fixing 35 mm thick panelled ,glazed or panelled and glazed shutters, for Doors windows and clearstory windows including black enamelled M.S. But hinges with necessary screws. (C) Hard board panels.	Sqm		
156	Providing and fixing 35 mm thick panelled ,glazed or panelled and glazed shutters, for Doors windows and clearstory windows including black enamelled M.S. But hinges with necessary screws . (D) Asbestos sheet panels.	Sqm		
157	Providing and fixing flush door shutters, solid core construction with frame of first class hardwood with cross board and face veneer or plywood face panels, including anodised alluminium butt hinges with necessary screws. (B) Non-decorative type and block board core anodised alluminium butt hinges in flush door shutters (2) 35 mm thick.	Sqm		
158	Extra for using bright finished M.S. piano hinges of (A) Nickel plated piano hinges.	Sqm		
159	Extra for providing vision panel not exceeding 0.1 Sq.M. in all types of flush doors. (A) Rectangular or Square.	Sqm		
160	Providing and fixing 30 mm wire gauge shutters using galvanised M.S. wire of I.S. gauge designation of 85 G. with wire of 0.56 mm dia,for Doors, windows and clearstory windows including anodised alluminium butt hinges with necessary screws. (A) Indian teak wood.	Sqm		
161	Providing and fixing 30 mm wire gauge shutters using galvanised M.S. wire of I.S. gauge designation of 85	Sqm		

Item No.	Item of work	Unit	Rate	
			In figure	In words
	G. with wire of 0.56 mm dia,for Doors, windows and clearstory windows including bright finished or/ and black enamelled M.S. butt hinges with necessary Mango wood or equivalent quality.			
162	Extra for providing and fixing galvanised M.S wire gauge of I.S. gauge designation 140 G,to 000 Rs. windows and cleastory windows with wire of dia 0.71 mm instead of I,S,gauge designation 85 G.with wire of dia.0.56 mm.	Sqm		
163	Providing and fixing 12 mm thick and 100mm wide pelmet of flat pressed 3 layer neneed particle board solid core with 25 mm diametre alluminium curtain Road and brackets including fixing with 25mm x 3mm M.S flat 10cm, long and plugs etc.complete.	Rmt		
164	Providing and fixing 40mm panelled, Glazed or panelled and glazed partitions fixed to frames with iron scews etc. complete with indian teak wood (Frames tobe paid separately)	Sqm		
165	Providing and fixing Decorative plywood 4mm thick in partitions including fixing to frames with screws etc, complete with 50mm x 12mm teak wood beading (Frames tobe paid separately)	Sqm		
166	Providing and fixing plain asbestos cement sheet 6mm thick in partitions including fixing to fames with screws etc, complete with 50mm x 12mm Deodar wood beading (Frames tobe paid separately)	Sqm		
167	Providing and fixing in partitions 4mm thick medium hard board of approved quality including fixing to fames with screws etc, complete with 50mm x 12mm teak wood beading (Frames tobe paid separately)	Sqm		
168	25 mm thick wooden shelves supported on 40 x 40mm x 6 mm T or L iron brackets fixed at suitable distances but not exceeding 75 cm. apart with Mango wood or equivalent quality.	Sqm		
169	40 mm thick wooden shelves supported on 40 x 40mm x 6 mm T or L iron brackets fixed at suitable distances not exceeding 75 cm. apart with Mango wood or equivalent quality.	Sqm		
170	Providing and fixing M.S. round or square bars with M.S.flats at required spacing in wooden frames of windows and clerestory windows.	kg		
171	Providing and fixing M.S. grills of required pattern to wooden frames of windows etc. with M.S. flats at required spacings and frame alround, square or round bars with round headed bolts and nuts or by screws (A) Plain Grill.	kg		
172	Providing and fixing M.S. grills of required pattern to wooden frames of windows etc. with M.S. flats at required spacings and frame alround, square or round bars with round headed bolts and nuts or by screws. (B) ORNAMENTAL GRILL	kg		
173	Providing and fixing hard drawn steel wire fabric 75mm x 25mm mesh or weight not less than 7.75 kg. per Sq.M. to window frames etc. including 60 x 20mm beading of teak wood.	Sqm		

Item No.	Item of work	Unit	Rate	
			In figure	In words
174	Providing and fixing Fly proof galvanised M.S. wire gauge of I.S.I gauge designation 85 G. with wire of dia.0.56 mm to windows and celevating windows including 60 x 20mm beading of teak wood.	Sqm		
175	Providing and fixing first class indian teak wood 75mm x 60mm moulded hand rails in straight lengths complete.	Rmt		
176	(i) Providing and fixing glazed louvered glass windows and ventilators with teak wood frame 10cm. x 7cm. size including 3 coats of oil painting to wood work etc.complete.	Sqm		
177	(ii) Providing and fixing glazed louvered glass windows and ventilators with teak wood frame 10cm. x 7cm. size including 3 coats of oil painting to wood work etc.complete. with wooden louvers plank 12mm thick	Sqm		
178	Providing and fixing 35 mm thick shutters for Doors, windows and clerestory windows including Indian teak wood frames 10 cm x 7 cm. size including anodized alluminium fixtures and fastenings including primer coat of approved quality and two coats of oil painting etc, complete. (i) Fully Glazed.	Sqm		
179	Providing and fixing 35 mm thick shutters for Doors, windows and clerestory windows including Indian teak wood frames 10 cm x 7 cm. size including anodized alluminium fixtures and fastenings including primer coat of approved quality and two coats of oil painting etc, complete. (ii) Fully Panelled.	Sqm		
180	Providing and fixing 35 mm thick shutters for Doors, windows and clerestory windows including Indian teak wood frames 10 cm x 7 cm. size including anodized alluminium fixtures and fastenings including primer coat of approved quality and two coats of oil painting etc, complete. (iii) Partly panelled and partly glazed.	Sqm		
181	Providing and fixing 35 mm thick shutters for Doors, windows and clerestory windows including Indian teak wood frames 10 cm x 7 cm. size including black enamelled iron oxidixed fixtures and fastenings including primer coat of approved quality and two coats of oil painting etc, complete. (i) Fully Glazed.	Sqm		
182	Providing and fixing 35 mm thick shutters for Doors, windows and clerestory windows including Indian teak wood frames 10 cm x 7 cm. size including black enamelled iron oxidixed fixtures and fastenings including primer coat of approved quality and two coats of oil painting etc, complete. (ii) Fully Panelled.	Sqm		
183	Providing and fixing 35 mm thick shutters for Doors, windows and clerestory windows including Indian teak wood frames 10 cm x 7 cm. size including black enamelled iron oxidixed fixtures and fastenings including primer coat of approved quality and two coats of oil painting etc, complete. (iii) Partly panelled and partly glazed.	Sqm		
184	Providing and fixing 35 mm thick shutters for Doors, windows and clerestory windows including Indian teak wood frames 12 cm x 7 cm. size including anodized alluminium fixtures and fastenings including primer	Sqm		

Item No.	Item of work	Unit	Rate	
			In figure	In words
	coat of approved quality and two coats of oil painting etc, complete. (i) Fully Glazed.			
185	Providing and fixing 35 mm thick shutters for Doors, windows and clerestory windows including Indian teak wood frames 12 cm x 7 cm. size including anodized alluminium fixtures and fastenings including primer coat of approved quality and two coats of oil painting etc, complete. (ii) Fully Panelled.	Sqm		
186	Providing and fixing 35 mm thick shutters for Doors, windows and clerestory windows including Indian teak wood frames 12 cm x 7 cm. size including anodized alluminium fixtures and fastenings including primer coat of approved quality and two coats of oil painting etc, complete. (iii) Partly panelled and partly glazed.	Sqm		
187	Providing and fixing 35 mm thick shutters for Doors, windows and clerestory windows including Indian teak wood frames 12 cm x 7 cm. size including black enamelled iron oxidized fixtures and fastenings including primer coat of approved quality and two coats of oil painting etc, complete. (i) Fully Glazed.	Sqm		
188	Providing and fixing 35 mm thick shutters for Doors, windows and clerestory windows including Indian teak wood frames 12 cm x 7 cm. size including black enamelled iron oxidized fixtures and fastenings including primer coat of approved quality and two coats of oil painting etc, complete. (ii) Fully Panelled.	Sqm		
189	Providing and fixing 35 mm thick shutters for Doors, windows and clerestory windows including Indian teak wood frames 12 cm x 7 cm. size including black enamelled iron oxidized fixtures and fastenings including primer coat of approved quality and two coats of oil painting etc, complete. (iii) Partly panelled and partly glazed.	Sqm		
190	Add extra for providing and fixing 40mm thick shutters instead of 35 mm thick shutters including oil painting etc. complete.	Sqm		
191	Deduct for providing and fixing 25mm thick shutters instead of 35 mm thick shutters including oil painting etc. complete.	Sqm		
192	Providing and fixing FRP frame size 125x65 mm and 35mm thick FRP shutter with wood grain raised paneled design finish shutter having extra reinforcement on sides & edges in Gel coat finish. The core of the shutter & frame is to be filled up with injected polyurethane foam done in situ alongwith embedded wooden pieces for stiffening & also taking hinges & fixtures. The whole FRP frame & shutter is to be water proof weather proof, termite proof & resistance to mild acid/alkali. Rates are to be inclusive of S.S hinges with fastener sleeve & alluminium fixtures & fastenings.	Sqm		
193	Providing and fixing FRP frame size 100x50 mm and 28mm thick FRP depress panel shutter having extra reinforcement on sides & edges in Gel coat finish. The core of the shutter & frame is to be filled up with injected fire retardant grade polyurethane foam done in situ alongwith embedded wooden pieces for stiffening & also taking hinges & fixtures. The whole	Sqm		

Item No.	Item of work	Unit	Rate	
			In figure	In words
	FRP frame & shutter is to be water proof weather proof, termite proof & resistance to mild acid/alkali. Rates are to be inclusive of S.S hinges with necessary screws & alluminium fixtures & fastenings & fastener sleeve.			
194	Providing and fixing FRP frame size 125x65 mm and 35mm thick FRP shutter having extra reinforcement on sides & edges in polish finish. The core of the shutter & frame is to be filled up with injected polyurethane foam done in situ alongwith embedded wooden pieces for stiffening & also taking hinges & fintures. The whole FRP frame & shutter is to be water proof weather proof, termite proof & resistance to mild acid/alkali. Rates are to be inclusive of S.S hinges with necessary screws & alluminium S.S fixtures & fastenings & fastener sleeve.	Sqm		
195	Providing and fixing FRP of 28mm thick Fibre Glass shutter with 1.5 to 2.0 mm thick fire retardent grade FRP skin in depressed panel design having extra reinforcement on sides & edges & in Gel coat finish. The core of the shutter is to be filled up with injected retardent grade polyurethane foam done in situ alongwith embedded wooden pieces for stiffening & also taking hinges & fintures. The whole FRP frame & shutter is to be water proof ,weather proof, termite proof & resistance to mild acid/alkali. Rates are to be inclusive of S.S hinges with necessary screws & alluminium S.S fixtures & fastenings & fastener sleeve.	Sqm		
196	Providing and fixing FRP of 35mm thick Fiber Glass shutter with 1.5 to 2.0 mm thick fire retardent grade FRP skin in depressed panel design having extra reinforcement on sides & edges & in Gel coat finish. The core of the shutter is to be filled up with injected retardent grade polyurethane foam done in situ alongwith embedded wooden pieces for stiffening & also taking hinges & fintures. The whole FRP frame & shutter is to be water proof ,weather proof, termite proof & resistance to mild acid/alkali. Rates are to be inclusive of S.S hinges with necessary screws & alluminium fixtures & fastenings.	Sqm		
197	Supply of 35mm thick Fiber Glass shutter with 1.5 to 2.0 mm thick fire retardent grade FRP skin in wood grain rasied panel design having extra reinforcement on sides & edges & in polish design finish. The core of the shutter is to be filled up with injected retardent grade polyurethane foam done in situ alongwith embedded wooden pieces for stiffening & also taking hinges & fintures. The whole shutter is to be water proof ,weather proof, termite proof & resistance to mild acid/alkali. Rates are to be inclusive of S.S hinges with necessary screws & alluminium S.S finish fixtures & fastenings.	Sqm		
198	Providing and fixing windown shutter of 75x30 mm size with 4mm fully glazed panels with PVC batten main farme size having 1.5 to 2.0 mm thick fire retardent grade FRP shutter having extra reinforcement on sides & edges in polish finish. The core of the shutter & frame is to be filled up with injected polyurethane foam done in situ alongwith	Sqm		



Item No.	Item of work	Unit	Rate	
			In figure	In words
	embedded wooden pieces for stiffening & also taking hinges & fixtures. The whole FRP frame & shutter is to be water proof weather proof, termite proof & resistance to mild acid/alkali. Rates are to be inclusive of S.S hinges with necessary screws & aluminium S.S fixtures & fastenings & fastener sleeve.			
199	Providing and fixing 30mm thick FACTORY MADE SOLID PANEL PVC DOOR SHUTTER consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19mm x 19mm for stiles and 15mm x 15 mm for top and bottom rails. M.S. frame shall have a coat of steel primers of approved make and manufacture, M.S. frame shall be covered with 5 mm thick heat moulded PVC 'C' channel of size 30 x 50 mm forming stiles, and 5mm thick 75mm wide PVC sheets for top rail, lock rail and bottom rail on either side, and 10mm (5mm x 2) thick, 20mm wide cross PVC sheet as gap insert for top rail and bottom rail, Panelling of 5 stiles and rails with 30mm wide x 5mm thick PVC sheet beading on either side, and joined together with solvent cement adhesive,. An additional 5mm thick PVC strip of 20mm width is to be stuck on the interior side of the 'c' channel using PVC solvent cement adhesive etc. complete as per direction of Engineer in charge, manufacture's specification and drawing.	sqm		
200	Providing and fixing 30mm thick FACTORY MADE SOLID BOTH SIDE PRELAM PANEL PVC DOOR SHUTTER consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19mm x 19mm for stiles, top and bottom rails. M.S. frame shall have a coat of steel primer of approved make and manufacture. M.S frame covered with 5mm thick heat moulded prelam PVC 'C' channel of size 30mm thickness, 70 mm width of which 50mm shall be flat and 20mm shall be tapered in 45 degree Angle on either side forming stiles, and 5mm thick, 95mm wide prelam PVC sheet out of which 75mm shall be flat and 20mm shall be tapered in 45 degree on the inner side of top and bottom rail and 115mm wide prelam PVC sheet out of which 75mm shall be flat and 20mm shall be tapered on both side to form lock rail, Top, bottom and lock rails shall be provided either side of the panel. 10mm (5mm x 2) thick 20mm wide cross PVC sheet shall be provided as gap insert for top rail and bottom rails. Panelling of 5mm thick both side prelam PVC sheet to be fitted in the M.S. frame welded,sealed to the stiles and rails with 7mm (5mm + 2 mm) thick x 15mm wide PVC sheet beading on inner side, and joined together with solvent cement adhesive. An additional 5mm thick PVC strip of 20mm width is to be stuck on the interior side of the 'C' channel using PVC solvent adhesive etc. complete as per direction of Engineering in charge, manufacture's specification and drawing.	sqm		
201	Providing and fixing 30mm thick FACTORY MADE SOLID SINGLE SIDE PRELAM PANEL PVC DOOR SHUTTER consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19mm x 19mm for stiles, and 15mm x 15mm for top and bottom rails. The M.s. frame shall have coat of steel primers of	sqm		

Item No.	Item of work	Unit	Rate	
			In figure	In words
	approved make and manufacture. The M.S. frame shall be covered with 5mm thick heat moulded single side prelam PVC 'C' channel of size 30 x 50mm to form stiles and 5mm thick and 75mm wide single side prelam PVC sheets shall be for the top, bottom and lock rails. Paneling of 5mm thick one side prelam sheet to be fitted in the M.S. frame and sealed to the front (Prelam side) stiles and rails (which should have a 5mm 45 degree bent portion as beading) and attached to the back (white/ivory) stiles and rails (which should have a 10mm 90 degree bent portion as beading) using 2 nos. 15mm wide x 5mm thick PVC sheet beading inside the 9 degree bent beading. All stiles, rails and beading to be joined to the panel using solvent cement. An additional 5mm thick PVC strip of 20mm width is to be stuck on the interior side of the 'C' channel using PVC solvent adhesive and 10mm thick (5mm x 20) thick 20mm width cross PVC sheet to be fitted as gap insert for top and bottom rails, etc. complete as per direction of Engineer in charge, manufacture's specification and drawing.			
202	Providing and fixing 30mm thick FACTOR MADE FULLY GLAZED SOLID PVC DOOR SHUTTER consisting of frame made out of M.S. tube of 19mm gauge thickness and size of 19mm x 19mm for stiles and 15mm x 15mm for top, lock and bottom rails M.S. frame shall have a coat of steel primer of approved make and manufacture, M.S. frame shall be covered with 5mm thick heat moulded PVC 'C' channel of size 75mm x 30mm x 50mm out of which 10mm shall be bent at 90 degree towards inner side on front face of the door forming stiles. For top rail and bottom rail, M.S. frame shall be covered with 5mm thick, 100mm wide PVC sheet out of which 10mm shall be bent of 90 degree towards inner side on front face of the door. M.S. frame at lock rail shall be covered with 125 mm wide PVC sheet out of which 10mm on both the edges shall be bent at 90 degree on front face of the door and 75mm wide PVC sheet shall cover the M.S. frame at top, lock and bottom rail on side of door, 5mm thick 20mm wide cross PVC sheet as gap insert for top and bottom rail. PVC sheet beading of 15mm thick (5mm x 30, 15mm wide to be stuck, internally with solvent cement adhesive in stiles and rails. Glass panel will be fitted externally in the clear space available between the stiles and rails and fixed between PVC sheet of stiles and rails bent at 90 degree on front face and 15mm x 10mm 'L' shape outer beading nailed on stiles and rails at the back side. So that the 'L' shape PVC beading can be removed when required for replacement of broken glass etc. complete as per direction of Engineer in charge and manufacture's specification.	sqm		
203	Providing and fixing 30mm thick factory made wire guazed solid PVC Door shutter consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19mm x 19mm for stiles and 15mm x 15mm for top, lock and bottom rails, M.S. frame shall have a coat of steel primers of approved make and manufacture, 19mm x 19mm M.S. square tubes shall be covered with 5mm thick head moulded PVC 'C' channel of size 30mm thickness, 90mm width out of which 75mm	sqm		

Item No.	Item of work	Unit	Rate	
			In figure	In words
	shall be flat and 15 mm shall be bent in 90 degree angle on either side forming stiles and 5mm thick 115mm wide PVC sheet out of which 100mm shall be flat and 15mm shall be bent in 90 degree on the inner side to from top and bottom rails and 130mm wide PVC sheet out of which 100mm shall be flat and 15mm shall be bent in 90 degree on both side to from lock rail 10mm (5mm x 2) thick, 20mm wide cross PVC sheet as gap insert for top rail and bottom rail, panel will be of G.I. wire gauge of 24 gauge to be fitted in by 'C' channel of size 10mm x 35mm on the either side in the stiles.The inner side 'C' channel is fixed by 19mm x 19mm M.S. tube on both side with screws. The wire mesh in top, bottom and lock rail is sealed with 15mm x 15mm tube with G.I.wire, 1mm (5mm x 2) thick PVC strip of 25mm width is to be stuck and screw on both side of G.I. wire gauge interior at the top, bottom and lock rails. An additional 5mm thck PVC strip of 20mm width is to be stuck on the interior side of the 'C' channel using PVC solvent cement adhesive etc. complete as per dirction of Engineer in charge, manufacture's specification and drawing.			
204	Providing and fixing 35mm thick factory made moulded door shutter consisting of solid core single leaf flush door of 30mm thickness, lipped with 15mm (5mm x 3) thick x 30mm width on one stiles and top rail and 10mm (5mm x 2) thick x 30mm width on the other stiles and bottom rails. The inner panel laminated with 2mm thick termite proof, water proof and fire resistant moulded PVC sheet with 2,4,6 raised panel design in different plain and /or prelim colours on one side after routing the moulded design on flush door and 2mm plain and/or prelim PVC sheet on other side using rubber adhesive on flush door and solvent cement adhesive on the PVC liping etc. complete as per direction of Engineer in charge, manufacture's specification and drawing.	sqm		
205	Providing and fixing 30mm thick factory made moulded door shutter wood free consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 25mm x 25mm for stiles, top and bottom rails, M.S. frame shall have a coat of steel primers. The inner panel shall consist of 25mm thick High Density EPS conforming to IS 4671-1984 bonded with 2mm thick termite proof, water proof and fire resistant moulded PVC sheet with 2,4,6 raised panel design in different plain and /or prelim colours after routing the moulded design on one side and 2mm plain and/or prelim PVC sheet on other side of the EPS. The edges of panel to be sealed with lipping of 10mm wide PVC sheet batton (made by sticking 2 PVC rigid foam sheets of 5mm thickness using PVC solvent cement) and stiles 25mm (5mm x 5) thick and 30mm width PVC sheet fitted along M.S. tube for lock provision and for lock height 5mm thick PVC sheet of size 150mm x 100mm fixed with upper and lower face of inner side of EPS panel etc. complete as per direction of Engineer in charge manufacture's specification and drawing.	sqm		

Item No.	Item of work	Unit	Rate	
			In figure	In words
206	Providing and fixing factory made polyvinyl chloride (PVC) door frame of the size 50 x 47 mm with a wall thickness of 5mm, made out of extruded 5mm rigid PVC foam sheet, mitre out of two corners and joined with 2nos. of 150mm long brackets of 15 x 15mm M.s. Square tubes. The two vertical door profiles are to be reinforced with 19 x 19 mm m.s. square tube of 19 gauge, EPDM rubber gasket weather seal to be provided through out the frame. The door frame shall be fixed to the wall using 65/100 mm long M.S. screws through the frame by using PVC fasteners. A minimum of 4 nos. of screws to be provided for each vertical members and minimum 2 nos. for horizontal members etc. complete as per manufacturer's specification and direction of Engineer in charge.	sqm		
207	Providing and fixing of fully glazed solid PVC panel PVC door along with solid PVC door frame. 30mm thick FACTORY MADE FULLY GLAZED SOLID PVC DOOR SHUTTER consisting of frame made out of M.S. tube of 19 gauge thickness and size of 19mm x 19mm for style and 15mm x 15mm for top, lock and bottom rail. M.S. frame shall have a coat of steel primer of approved make and manufacture. M.S. frame shall be covered with 5 mm thick heat moulded PVC 'C' channel of size 75mm x 30mm x 50mm out of which 10mm shall be bent at 90 degree towards inner side on front face of the door. M.S. frame at lock rail shall be covered with 125 mm wide PVC sheet out of which 0mm on both the edges shall be bent at 90 degree on front face of the door and 7mm wide PVC sheet shall cover the M.S. frame at top, lock and bottom rail on back side of door, 5 mm thick 20mm wide cross PVC sheet as gap insert for top and bottom rail. PVC sheet beading of 15mm thick (5mm x3) 15mm wide to be stuck internally with solvent cement adhesive in stiles and rails. Glass panel will be fitted externally in the clear space available between the stiles and rails and fixed between PVC sheet of stiles and rails bent at 90 degree on front face and 15mm x 10mm 'L' shape outer beading nailed on stiles and rails at the back side. So that the 'L' shape PVC beading can be removed when required for replacement of broken glass etc. complete as per direction of Engineer in charge and manufacturer's specification	sqm		
208	Providing and fixing complete sliding shutter solid PVC window 25mm thick factory made glazed solid PVC window shutter consisting of frame made out of M.S. tube of 19 gauge of size 15 x 15mm for styles top, bottom rail. M.S. frame shall have a coat of steel primer of approved make and manufacture, M.S. frame shall be covered with 4mm thick heat moulded PVC 'C' channel of size 58mm x 25mm x 38 mm out of which 8mm shall be bent at 90 degree towards inner side on front face of the window shutter forming stiles. For top rail and bottom rails, M.S. frame shall be covered with 4mm thick, 58mm wide PVC sheet out of which 8mm shall be bent at 90 degree towards inner side on front face and 38mm wide PVC sheet shall cover the M.S. frame at top and bottom rail on back side of window shutter, 4mm thick 15mm wide	sqm		

Item No.	Item of work	Unit	Rate	
			In figure	In words
	cross PVC sheet as gap insert for top and bottom rail. PVC sheet beading of 8mm thick (4mm x 2) to be stuck internally with solvent cement adhesive in top and bottom rails. Glass panel will be fitted externally in the clear space available between stiles & rails and fixed between PVC sheet of stiles and rails bent at 90 degree on front face 12mm x 123mm 'L' shape outer PVC beading nailed on stiles and rails at the back side so that 'L' shape outer PVC beading can be removed when required for replacement of broken glass etc. complete as per direction of etc. complete as per direction of Engineer in charge and manufacture's specification.			
209	Providing and fixing Plain/Printed PVC sheet wall paneling of thickness 5mm consisting of panels having size 1220 mm x 2440 mm stuck on inner frame work of 50mm wide strips of 5mm thick PVC sheet. The strips should have in their center a groove of 6mm width and 1mm depth for sinking the head of the screw used to fix the strips to the wall and should be placed vertically at equal intervals of 10" center to center. The PVC strips shall be fixed to the wall using 65mm long M.s. screws through the groove in the strip by using PVC fasteners. The distance between two screws shall not be more than 200 A groove of 2mm may be left at the joint of two panel for aesthetic looks. The exact size of the panel and correspondingly of the grid may vary depending on the size of the wall.	sqm		
210	Providing and fixing Prelam PVC sheet wall paneling of thickness 5mm consisting of panels having size 1220 x 2440 mm stuck on inner frame work of 50mm wide strips of 5mm thick PVC sheet. The strips should have in their center a groove of 6mm width and 1mm depth for sinking the head of the screw used to fix the strips to the wall and should be placed vertically at equal intervals of 10" center to center. The PVC strips shall be fixed to the wall using 65mm long M.S. screws through the groove in the strip by using PVC fasteners. The distance between two screws shall not be more than 200 mm. A groove of 2mm may be left at the joint of two panel for aesthetic looks. The exact size of the panel and correspondingly of the grid may vary depending on the size of the wall.	sqm		
211	Providing and fixing full height Prelam PVC partition system 50mm thick consisting of 40mm sandwich PVC panel made out of 36mm high density expanded polystyrene sheet (E.P.S. Thermocol) stuck on both side with 2mm thick prelam PVC sheet reinforced with frame work made from 35mm x 5mm M.S. angle. In between two M.S. angles 4 mm with feathered edges shall be fixed on floor and 50 x 75 mm with feathered edges prelam PVC "C" channel of size 50mm x 75mm with feathered edges prelam PVC panel shall be inserted in the PVC 'C' channel The first and last M.S. angle should be erected such that it is inside a PVC C channel of size 50 x 75mm In between adjoining EPS sandwiched PVC partition panel 4mm thick x 75 mm width prelam PVC sheet feathered at edges shall be stuck on front and back face using solvent cement etc. An additional 4mm thick PVC strip of 40mm width is to be stuck on the interior side of the 'C' channel using	sqm		

Item No.	Item of work	Unit	Rate	
			In figure	In words
	PVC solvent adhesive complete as per direction of Engineer in charge. Manufacture's specification and drawing.			
212	Providing and fixing full height Plain/colour PVC partition system 50mm thick consisting of 40mm sandwich PVC panel made out of 36mm high density expanded polystyrene sheet (E.P.S. Thermocol) stuck on both side with 2mm thick plain PVC sheet reinforced with frame work made from 35mm x 5mm M.S. angle. In between two M.S. angles 4 mm thick plain heat moulded PVC 'C' channel of size 50mm x 100 mm with feathered edges shall be fixed on floor and 50 x 75 mm with feathered edges plain/ printed/ prelin PVC 'C' channel shall be fixed in the ceiling. Sandwich PVC panel shall be inserted in the PVC "c" channel. The first and last M.S. angle should be erected such that it is inside a PVC C channel of size 50 x 75mm. In between adjoining EPS sandwiched PVC partition panel 4mm thick x 75mm width plain PVC sheet feathered at edges shall be stuck on front and back face using solvent cement etc. And additional 4mm thick PVC strip of 40mm width is to be stuck on the interior side of the C channel using PVC solvent adhesive complete as per direction of Engineer in charge, manufacture's specification and drawing.	sqm		
213	Providing and fixing full height Printed PVC partition system 50mm thick PVC partition consisting of 40mm sandwich PVC panel made out of 36mm high density expanded polystyrene sheet (EPS Thermocol) stuck on the both side with 2mm thick printed PVC sheet reinforced with frame work made from 35mm x 5mm M.S. angle. IN between two M.S. angles 4mm thick printed heat moulded PVC C channel of size 50mm x 100mm with feathered, edges shall be fixed on floor and 50 x 75 mm with feathered edges printed PVC C channel shall be fixed in the ceiling, Sandwich PVC panel shall be inserted in the PVC C channel. The first and last M.S. angle should be erected such that it is inside a PVC C channel of size 50 x 75mm In between adjoining EP sandwiched PVC partition panel 4mm thick x 75mm width printed PVC sheet feathered at edges shall be suck on front and back face using solvent cement. If the height of partition exceeds 8 feet; then 15mm x 30mm M.S. tube is welded horizontally at the joint of panels in between two vertical angels etc. An additional 4mm thick PVC strip of 40mm width is to be stuck on the interior side of the C channel using PVC solvent adhesive complete as per direction of Engineer in charge, manufactures.	sqm		
214	Providing and fixing PVC plain colour false ceiling with grid type with alu frame consisting of 600 mm x 600mm 3mm thick plain PVC sheet used as panel insert in a frame work made using anodized alluminium T section of size 1" x 1" (25 x 25mm, 19 gauge or 1mm thick) in square pattern of grid sizes of 2 x 2 (600 x 600mm). The alluminium frame work is supported from the ceiling with the help of G.I. hook and G.I. wire/6mm M.S. rods of required sizes to maintain proper level etc. The aluminium frame work	sqm		

Item No.	Item of work	Unit	Rate	
			In figure	In words
	is supported on side wall with the use of alluminium L section of size 1 x 1 (25 x 25mm) angles et. Complete as per direction of Engineer in charge. Manufactures, specification and drawing			
215	Providing and fixing PVC Printed pain colour false ceiling with grid type with alluminium frame consisting of 600mm x 600mm 3mm thick plain PVC sheet used as panel insert in a frame work made using anodized alluminium T section of size 1 x 1 (235 x 25mm, 19 gauge or 1 mm thick) in square pattern of grid sizes of 2 x 2 (600 x 600mm) The alluminium frame work is supported from the cceiling with the help of G.I. hook and G.I. wire/6mm M.S. rods of required sizes to maintain proper level etc. The aluminium frame work is supported on side wall with the use of alluminium L section of size 1 x 1 (25 x 25mm) angles etc. complete as per direction of Engineer in charge. Manufactures specification and drawing.	sqm		
216	Providing and fixing PVC plain colour false ceiling with flush type with alluminium frame, frame work is done with three different sections of G.I. sheet of 24 gauge thickness named as C, U and L. The C section is fixed with hangers at an equal distance of 36" each and then U section is fixed perpendicular on C section with steel screws at an equal distance of 16" each. The complete frame work is supported by G.I. L angle 6mm rod hangers from the roof and L sections is fixed all around the wall as shown in the diagram. 5mm PVC sheet strips of size 2 wide and fixed with counter sunk steel screw on the U section. Further 3mm PVC sheet is stuck to these PVC strips with solvent cement such that joining lines are perfectly matched. P.U. putty is filled, ceiling for getting fine surface finish etc. complete as per direction of Engineer in charge, manufacturer's specification and drawing.	sqm		
217	Providing and fixing PVC printed false ceiling with flush type with alluminium frame, frame work is done with three different sections of G.I. sheet of 24 gauge thickness named as C, U and L. The C section is fixed with hangers at an equal distance of 36" each and then U section is fixed perpendicular on C section with steel screws at and equal distance of 16" each. The complete frame work is supported by G.I. L angle/6 mm rod hangers from the roof and L sections is fixed all around the wall as shown in the diagram. 5mm PVC sheet strips of size 2 wide are fixd with counter sunk steel screws on the U section. Further 3mm PVC sheet is stuck to these PVC strips with solvent cement such that joining lines are perfectly matched. P.U. putty is filled, dried and leveled and requisite coats of primer and paint is done on the ceiling for getting fine surface finish etc. complete as per direction of Engineering and charge manufacturer's specification and drawing	sqm		
218	Extra rate for using polyester fiber (12mm) with triangular of equivalent cross section with specific gravity 1.35 to 1.40 (as a secondary reinforcement) in concrete of any grade at the rate of 125 gms per 50 kg of Cement consumption.	1 Packet of 125 gms		

Item No.	Item of work	Unit	Rate	
			In figure	In words
219	Extra rate for using polyester fiber (6mm) with triangular cross of equivalent section with specific gravity 1.35 to 1.40 (as a secondary reinforcement) in mortar of any grade at the rate of 125 gms per 50 kg of cement consumption.	1 Packet of 125 gms		
220	Providing fusion bonded Epoxy coating not less than 175 micron thickness and up to 300 micron to reinforcement bars as per IS-13620-1993/ASTM-775 M including testing of coating at plant and all taxes (A) 10mm to 16mm dia bar	M.T		
221	Providing fusion bonded Epoxy coating not less than 175 micron thickness and up to 300 micron to reinforcement bars as per IS-13620-1993/ASTM-775 M including testing of coating at plant and all taxes (B) 20mm to 32 mm dia bar	M.T		
<b>F</b>	<b>STEEL ALUMINUM &amp; IRON WORK</b>			
222	Steel work, welded in built up sections framed work including cutting, hoisting, fixing in position and applying a priming coat of red lead paint. (A) In beams and joists, channels angles Tees, flats, with connecting plates or angle cleats as in main and cross beams. Hip and jack rafters, purlins conneted to common rafters and the like	q		
223	Steel work, welded in built up sections framed work including cutting, hoisting, fixing in position and applying a priming coat of red lead paint. (D) In trusses and trussed purlins, upto 25 M. span and 15 M. overall height.	q		
224	Providing and fixing in position callapsible steel shutters with vertical channels 20 x 10 x 2 mm braced with flat iron diagonals 20 x 5 mm size with top and bottom rails of T_rin 40x 40 x 6 mm with 38mm dia, steel pulleys complete with bolts, nuts, locking arrangements, stoppers handles including applying a priming coat of red lead paint.	q		
225	Providing and fixing 1mm thick M.S. sheet sliding shutters with frame and diagonal braces of 40 x 40 x 6 mm angle iron, 3.15 mm M.S. gusset plates at Junctions and corners 25 mm dia. pulley, 40 x 40 x 6mm angle and T-iron huide rail at top and bottom respectavely with handles, stoppers and locking agangement etc, including applying a priming coat of red lead paint.	Sqm		
226	Providing and fixing rolling shutters of approved make made of 80 mm wide M.S. laths inter-locked together through their entire length and jointed together at the ends by end locks mounted on specially designed pipe shaft with bracket plates, guide channels and arragements for inside and outside locking with push-pull operation including the cost of hood cover and spring etc. complete.(A) Shutters having width below 3.5 M.	Sqm		
227	Providing and fixing rolling shutters of approved make made of 80 mm wide M.S. laths inter-locked together through their entire length and jointed together at the ends by end locks mounted on specially designed pipe shaft with bracket plates, guide channels and	Sqm		



Item No.	Item of work	Unit	Rate	
			In figure	In words
	arrangements for inside and outside locking with push-pull operation including the cost of hood cover and spring etc. complete. (B) Shutters having width 3.5 M. and above			
228	Providing and fixing rolling shutters of approved make made of 80 mm wide M.S. laths inter-locked together through their entire length and jointed together at the ends by end locks mounted on specially designed pipe shaft with bracket plates, guide channels and arrangements for inside and outside locking with push-pull operation complete but excluding the cost of hood cover and spring. (A) Shutters having width below 3.5.M.	Sqm		
229	Providing and fixing rolling shutters of approved make made of 80 mm wide M.S. laths inter-locked together through their entire length and jointed together at the ends by end locks mounted on specially designed pipe shaft with bracket plates, guide channels and arrangements for inside and outside locking with push-pull operation complete but excluding the cost of hood cover and spring. (B) Shutters havind width above 3.5 M.	Sqm		
230	Providing and fixing 27.5 cm. long wire spring grade No.2 of approved make for rolling shutters.	Each		
231	Providing and fixing Hood cover for rolling shutters (A) Shutters having width below 3.5 meters	Rmt		
232	Providing and fixing Hood cover for rolling shutters (B) Shutters having width 3.5 meters and above	Rmt		
233	Fixing standard steel Doors, windows and ventilatos inwalls with 16 x 3.15 mm longs 10 cm. long embeded in Cement Concrete block 15 x 10 x 10 of 1:3:6 (1-Cement : 3-coarse sand : 6-graded stone aggregate of 20mm size ) cost for supply of door/ window/ ventilators shall be paid separately.	Sqm		
234	Providing and fixing M.S. Fan clamps type 1 to 16mm dia M.S. bar bent to shape with hooked ends to R.C.C. slabs curing, laying including painting the exposed portion of loops, all as per standard designe complete	Each		
235	Extra over rate of item 20 for providing and fixing M.S. fan clamps type-II as per standard design in R.C.C. beams during laying towards additional height of the clamp due to beam rib.	Cm Height		
236	Providing and fixing M.S. round holding down or anchor bolts with nuts and washer plates complete.	Kg		
237	Providing and fixing extruded aluminum window having extruded aluminum Colour anodized section frame main outer size 127mm x 38.10mm x 1.35mm (of Jindal Section no:2443,@ Wt.1.384 Kg/mt),horizontal Four track member size 122.20mm x 31.75mm x 1.10mm (of Jindal Section no:8787,@ Wt. 1.205 Kg/mt),vertical member of size 122.20mm x 31.75mm x 1.50mm (of Jindal Section no:8935,@ Wt. 1.398 Kg/mt) with sliding shutters of horizontal member size 40mm x 18mm x 1.29mm (of Jindal Section no:8949 @ wt.of 0.456Kg/mt),vertical member of size 40mm x 18mm x 1.29mm (of Jindal Section	Sqm		

Item No.	Item of work	Unit	Rate	
			In figure	In words
	no:8947 @ wt.of 0.456Kg/mt/Section 8948,@ Wt. 0.457 Kg/mt) with 5 mm thick transparent bronze colour tinted float glass with powder coated aluminum fittings and fixtures and transparent silicon sealant glass fixing to frame as per details etc complete for window.			
238	Providing and fixing window having extruded aluminum Colour anodized section frame main outer size 95mm x 24mm x 1.17mm (of Jindal Section no:2459 @ wt.of 0.738 Kg/mt), horizontal Three track member size 92mm x 31.75mm x 1.30mm (of Jindal Section no:8688,@ Wt.1.07 Kg/mt), vertical member of size 92mm x 31.75mm x 1.50mm (of Jindal Section no:8933,@ Wt. 1.06 Kg/mt) with sliding shutters of horizontal member size 40 mmx18mm x1.29mm (of Jindal Section no:8947@ wt.of 0.456 Kg/mt), vertical member of size 40mm x 18mm x 1.29 mm (of Jindal Section no:8949 @ wt.of 0.456Kg/mt/ with 5 mm thick transparent bronze colour tinted float glass with powder coated aluminum fittings and fixtures and transparent silicon sealant glass fixing to frame as per details etc	Sqm		
239	Providing and fixing window having extruded aluminum Colour anodized section frame main outer size 63.50 x 38.10 x 1.95 mm(of Jindal Section no:4605,@ Wt 1.094 Kg / Rmt), horizontal two track member size 61.85 mm x 31.75 mm x 1.20mm (of Jindal Section no: 8687 @ wt.of 0.695 Kg/mt), vertical member of size 61.85 mm x 31.75mm x 1.30 mm (of Jindal Section no:8758 @ wt.of 0.0.659 Kg/mt) with sliding shutters of horizontal member size 40mm x 18mm x 1.29mm (of Jindal Section no:8949 @ wt.of 0.456Kg/mt), vertical member of size 40mm x 18mm x 1.29mm (of Jindal Section no:8947 @ wt.of 0.456Kg/mt/ Section 8948, @ Wt. 0.457 Kg/mt) with 5 mm thick transparent bronze colour tinted float glass with powder coated aluminum fittings and fixtures and transparent silicon sealant glass fixing to frame as per details etc complete for window.	Sqm		
240	Providing and fixing standared extruded of alluminium section of size 63.50 x 38.10 x 1.95 mm(of Jindal Section no:4605, @ Wt 1.094Kg / Rmt with colour anodized alluminium frame with 5 mm thick transparent bronze colour tinted float glass with colour anodized alluminium frame for ventilation with 5 mm thick frosted glass as details etc complete for.window	Sqm		
241	Providing and fixing standared extruded of alluminium section of size 63mm x 38.10mm x 1.2mm (Jindal Section :2434, @ Wt. 0.643 Kg/mt) with colour anodized alluminium frame for ventilation with 5 mm thick frosted glass as details etc complete for Ventilation	Sqm		
242	Providing and fixing standared extruded of alluminium section of size 63.50 x 38.10 x 1.95 mm(of Jindal Section no:4605,@ Wt 1.094Kg / Rmt with colour anodized alluminium frame with 5 mm thick transparent bronze colour tinted float glass as details etc complete for Fix window.	Sqm		

Item No.	Item of work	Unit	Rate	
			In figure	In words
243	Providing and fixing extruded aluminum window having extruded aluminum Colour Powder Coated section frame main outer size 127mm x 38.10mm x 1.35mm (of Jindal Section no:2443,@ Wt.1.384 Kg/mt),horizontal Four track member size 122.20mm x 31.75mm x 1.10mm (of Jindal Section no:8787,@ Wt. 1.205 Kg/mt),vertical member of size 122.20mm x 31.75mm x 1.50mm (of Jindal Section no:8935,@ Wt. 1.398 Kg/mt) with sliding shutters of horizontal member size 40mm x 18mm x 1.29mm (of Jindal Section no:8949 @ wt.of 0.456Kg/mt),vertical member of size 40mm x 18mm x 1.29mm (of Jindal Section no:8947 @ wt.of 0.456Kg/mt/Section 8948,@ Wt. 0.457 Kg/mt) with 5 mm thick transparent bronze colour tinted float glass with powder coated aluminum fittings and fixtures and transparent silicon sealant glass fixing to frame as per details etc complete for window.	Sqm		
244	Providing and fixing window having extruded aluminum Colour Powder Coated section frame main outer size 95mm x 24mm x 1.17mm (of Jindal Section no:2459 @ wt.of 0.738 Kg/mt), horizontal Three track member size 92mm x 31.75mm x 1.30mm (of Jindal Section no:8688,@ Wt.1.07 Kg/mt), vertical member of size 92mm x 31.75mm x 1.50mm (of Jindal Section no:8933,@ Wt. 1.06 Kg/mt) with sliding shutters of horizontal member size 40 mmx18mm x1.29mm (of Jindal Section no:8947@ wt.of 0.456 Kg/mt), vertical member of size 40mm x 18mm x 1.29 mm (of Jindal Section no:8949 @ wt.of 0.456Kg/mt/ with 5 mm thick transparent bronze colour tinted float glass with powder coated aluminum fittings and fixtures and transparent silicon sealant glass fixing to frame as per details etc	Sqm		
245	Providing and fixing window having extruded aluminum Colour Powder Coated section frame main outer size 63.50 x 38.10 x 1.95 mm(of Jindal Section no:4605,@ Wt 1.094 Kg / Rmt), horizontal two track member size 61.85 mm x 31.75 mm x 1.20mm (of Jindal Section no: 8687 @ wt.of 0.695 Kg/mt), vertical member of size 61.85 mm x 31.75mm x 1.30 mm (of Jindal Section no:8758 @ wt.of 0.0.659 Kg/mt) with sliding shutters of horizontal member size 40mm x 18mm x 1.29mm (of Jindal Section no:8949 @ wt.of 0.456Kg/mt), vertical member of size 40mm x 18mm x 1.29mm (of Jindal Section no:8947 @ wt.of 0.456Kg/mt/ Section 8948, @ Wt. 0.457 Kg/mt) with 5 mm thick transparent bronze colour tinted float glass with powder coated aluminum fittings and fixtures and transparent silicon sealant glass fixing to frame as per details etc complete for window.	Sqm		
246	Providing and fixing standared extruded of alluminium section of size 63.50 x 38.10 x 1.95 mm(of Jindal Section no:4605, @ Wt 1.094Kg / Rmt with colour Powder Coated alluminium frame with 5 mm thick transparent bronze colour tinted float glass with colour anodized alluminium frame for ventilation with 5 mm thick frosted glass as details etc complete for.window	Sqm		
247	Providing and fixing standared extruded of alluminium section of size 63mm x 38.10mm x 1.2mm (Jindal	Sqm		

Item No.	Item of work	Unit	Rate	
			In figure	In words
	Section :2434, @ Wt. 0.643 Kg/mt) with colour Powder Coated alluminium frame for ventilation with 5 mm thick frosted glass as details etc complete for Ventilation			
248	Providing and fixing standared extruded of alluminium section of size 63.50 x 38.10 x 1.95 mm(of Jindal Section no:4605,@ Wt 1.094Kg / Rmt with colour Powder Coated alluminium frame with 5 mm thick transparent bronze colour tinted float glass as details etc complete for Fix window.	Sqm		
<b>G</b>	<b>GLAZING</b>			
249	Providing and fixing sheet glass, selected quality (Type-C) bedded in putty and fixed with wooden beading including the cost of wooden beadings of first class teakwood and necessary cutting of glass. (1) 5 mm thick.	Sqm		
250	Providing and fixing sheet glass, selected quality (Type-C) bedded in putty and fixed with wooden beading including the cost of wooden beadings of first class teakwood and necessary cutting of glass. (2) 6 mm thick.	Sqm		
251	Providing and fixing rough cast wired glass, 6mm thick bedded in putty and fixed with wooden beading including the cost of wooden beadings of Indian teak wood and necessary cutting of glass. (C) Wired - figured glass	Sqm		
252	Providing and fixing sheet glass ordinary quality bedded in putty and fixed with wooden beadings including the cost of wooden beadings of first-class teak wood and necessary cutting of glass. (3) 3mm thick	Sqm		
253	Providing and fixing sheet glass ordinary quality bedded in putty and fixed with wooden beadings including the cost of wooden beadings of first-class teak wood and necessary cutting of glass. (4) 4mm thick	Sqm		
254	Extra for using ground glass (frosted or obscured on one side) instead of plain glass.	Sqm		
255	Deduct for difference in cost of meterials and labour involved in method of glazing if changed in item No. 13 (A) Front and back puttied and sprigged or fixed with glazing pins	Sqm		
256	Grinding, Polishing and rounding of edges of glass or glazing sheets.	Rmt		
<b>H</b>	<b>PAVING &amp; FLOOR FINISHES</b>			
257	Providing and laying chequered terrazo tiles 22mm thick with marble chips of sizes upto 6mm in floors on 25mm thick bed of Lime mortar 1:1.5 (1-Lime putty : 1.5 coarse sand) or C.M. 1:6 (1 -cement :6 - coarse sand) jointed with neat cement slurry mixed with pigment to match the shade of the tiles including rubbing and polishing complete. (A) Light shades using white cement	Sqm		
258	Providing and laying chequered terrazo tiles 22mm thick with marble chips of sizes upto 6mm in floors on	Sqm		

Item No.	Item of work	Unit	Rate	
			In figure	In words
	25mm thick bed of Lime mortar 1:1.5 (1-Lime putty : 1.5 coarse sand) or C.M. 1:6 (1 - cement : 6 - coarse sand) jointed with neat cement slurry mixed with pigment to match the shade of the tiles including rubbing and polishing complete. (B) Dark shades using ordinary cement			
259	Providing and laying chequered terrazo tiles 28mm thick with marble chips of sizes upto 6mm in treads of stairs and staircases in 12mm thick bed of lime mortar 1:1.5 (1-Lime putty :1.5 coarse sand) or C.M. 1:6 (1-cement : 6- coarse sand) jointed with neat cement slurry mixed with pigment to match the shade of tiles including rubbing and polishing complete. (A) Light shades using white cement	Sqm		
260	Providing and laying chequered terrazo tiles 28mm thick with marble chips of sizes upto 6mm in treads of stairs and staircases in 12mm thick bed of lime mortar 1:1.5 (1-Lime putty :1.5 coarse sand) or C.M. 1:6 jointed with neat cement slurry mixed with pigment to match the shade of tiles including rubbing and polishing complete. (B) Dark shades using ordinary cement	Sqm		
261	Providing and laying white glazed tiles 6mm thick in flooring treads of steps and landing laid on a bed of 12mm thick cement mortar 1:3 (1-cement : 3-coarse sand ) finishing with flush pointing in white cement.	Sqm		
262	Providing and laying Ceramic tiles 8mm thick in flooring treads of steps and landing laid on a bed of 12mm thick cement mortar 1:3 (1-cement : 3-coarse sand ) finishing with flush pointing in white cement.	Sqm		
263	Providing and laying Marbo Grenite tiles 8 to 10 mm thick , 24" x 24" in flooring treads of steps and landing laid on a bed of 12mm thick cement mortar 1:3 (1-cement : 3-coarse sand ) finishing with flush pointing in white cement.	Sqm		
264	Providing and laying Marbo Grenite tiles 8 to 10 mm thick , 36" x 36" in flooring treads of steps and landing laid on a bed of 12mm thick cement mortar 1:3 (1-cement : 3-coarse sand ) finishing with flush pointing in white cement.	Sqm		
265	Providing and laying white glazed tiles 6mm thick in skirting risers of steps and dedo on 10mm thick cement plaster 1:3 (1-cement : 3-coarse sand) and jointed with white cement slurry	Sqm		
266	Providing and laying Ceramic tiles 6mm thick in skirting risers of steps and dedo on 10mm thick cement plaster 1:3 (1-cement : 3-coarse sand) and jointed with white cement slurry	Sqm		
267	Providing and laying Marbo Grenite tiles 8 to 10 mm thick , 24" x 24" in skirting risers of steps and dedo on 10mm thick cement plaster 1:3 (1-cement : 3-coarse sand) and jointed with white cement slurry	Sqm		
268	Providing and laying Marbo Grenite tiles 8 to 10 mm thick , in skirting risers of steps and dedo on 10mm thick cement plaster 1:3 (1-cement : 3-coarse sand) and jointed with white cement slurry	Sqm		

Item No.	Item of work	Unit	Rate	
			In figure	In words
269	Providing and fixing 50mm internal or external angles of glazed tiles	Rmt		
270	Providing and laying marble stone slab flooring over 20mm (average) base of cement mortar 1:6 (1-cement : 6 coarse sand) or L.M. 1:1.5 (1- lime putty : 1.5 - coarse sand) laid and jointed with gray cement slurry including rubbing and polishing complete. (A) Marble slab 25mm thick	Sqm		
271	Providing and laying polished Kota stone slab flooring over 20mm (Average) thick base of cement mortar 1:6 (1-cement : 6-coarse sand) or L.M. 1.1.5 (1-Lime putty :1.5 - coarse sand) laid over and jointed with grey cement slurry mixed with pigment to match the shade of slab including rubbing and polishing etc. complete. (A) 25mm thick	Sqm		
272	Providing and laying polished Kota stone slab flooring over 20mm (Average) thick base of cement mortar 1:6 (1-cement : 6-coarse sand) or L.M. 1.1.5 laid over and jointed with grey cement slurry including rubbing and polishing etc. complete. (B) 30 mm thick	Sqm		
273	Providing and laying polished kota stone slab 25mm thick in risers of steps,skirting Dedo and pillars laid on 10mm thick cement mortar 1:3 (1-Cement : 3 coarse sand) and jointed with gray cement slurry mixed with pigment to match the shade of slab including rubbing and polishing etc. complete.	Sqm		
274	Providing and laying rough chiseled dressed stone flooring over 20mm average thick base of cement mortar 1:5 (1-Cement : 5-coarse sand) or L.M. 1:1.5 (1-Lime putty : 1.5 - coarse sand) including pointing with cement mortar 1:2 (1-cement : 2-stone dust) etc. complete. (A) 25mm thick	Sqm		
275	Providing and laying rough chiseled dressed stone flooring over 20mm thick base of cement mortar 1:5 (1-Cement : 5-coarse sand) or L.M. 1:1.5 including pointing with cement mortar 1:2 (1-cement : 2-stone dust) etc. complete. (B) 40mm thick	Sqm		
276	Providing and laying cement concrete flooring 1:2:4 (1-cement : 2-coarse sand : 4-graded stone aggregate 20mm nominal size) laid in one layer and finished with a floating coat of neat cement. (A) 40mm thick.	Sqm		
277	Providing and laying cement concrete flooring 1:2:4 (1-cement : 2-coarse sand : 4-graded stone aggregate 20mm nominal size) laid in one layer and finished with a floating coat of neat cement. (B) 50mm thick.	Sqm		
278	Providing and laying cement concrete pavement (25mm to 50mm thick) with 1:2:4 (1-cement : 2-coarse sand : 4-stone aggregate 20mm nominal size) including finishing with floating coat of neat cement complete.	cu.m		
279	Providing and laying precast cement concrete tiles 20mm thick with aggregate of sizes upto 6mm laid on floors, treads of steps and landing on 20mm thick bed of cement mortar 1:6 (1-cement : 6-coarse sand) or L.M. 1:1.5 (1 - Lime putty : 1.5 - coarse sand) jointed with neat cement slurry with pigment to match the	Sqm		

Item No.	Item of work	Unit	Rate	
			In figure	In words
	shade of tiles complete with precast tiles of (C) Dark shades using ordinary cement			
280	Providing and laying chequered precast cement concrete tiles 22mm thick with aggregate of sizes upto 6mm in floors, treads of steps and landings on 20mm thick bed of C.M. 1:6 (1-cement : 6-sand) or L.M. 1:1.5(1-Lime putty : 1.5 coarse sand) joint with neat cement slurry with pigments to match the shade of the tiles.	Sqm		
281	Extra for rubbing & polishing the precast c.c. tiles for flooring sketing deta.	Sqm		
282	Providing and laying brick on edge flooring laid dry grouted with c.M. 1:6 (1 - Cement : 6 - coarse sand) including finishing the joints flush curing etc. complete.	Sqm		
283	P & L 24" x 24" vitrified 8 mm thick tile flooring over 20 mm (average) base of cement mortar 1:6 ( 1 cement: 6 coarse sand) on new surface or fixing on existing flooring by adhesive material including dismantaling of existing flooring and jointed with color cement slurry including finised with flush pointing & cleaning the surface etc. complete for DARK shade	Sqm		
284	P & L 24" x 24" vitrified 8 mm thick tile flooring over 20 mm (average) base of cement mortar 1:6 ( 1 cement: 6 coarse sand) on new surface or fixing on existing flooring by adhesive material including dismantaling of existing flooring and jointed with color cement slurry including finised with flush pointing & cleaning the surface etc. complete for antiskit	Sqm		
285	P & L 24" x 24" vitrified 8 mm thick tile flooring over 20 mm (average) base of cement mortar 1:6 ( 1 cement: 6 coarse sand) on new surface or fixing on existing flooring by adhesive material including dismantaling of existing flooring and jointed with color cement slurry including finised with flush pointing & cleaning the surface etc. complete for light shade	Sqm		
286	Providing and fixing pre-cast concrete kerb stone of gray cement based concrete block 30cm length,30cm height and 15cm thick of M250 grade concret as per approved design and including excavation for fixing in proper line and level,filling the joint with C:M 1:3 (1cement:3fine sand) etc complete.	Rmt		
287	Providing and fixing pre-cast concrete kerb stone of gray cement based concrete block 30cm length,30cm height and 15cm thick of M250 grade concret as per approved design and including excavation for fixing in proper line and level,filling the joint with C:M 1:3 (1cement:3fine sand) etc complete.	Rmt		
288	Providing and fixing pre-cast Rubber Dye inter locking concrete block 60mm thick with grade of concrete M200 pnumatic compressed by mechanically pressed and as per approved design including 75mm Sand layer for levelling and filling the joint with sand in proper line and level etc complete.	Sqm		
289	Providing and fixing pre-cast Rubber Dye inter locking concrete block 60mm thick with grade of concrete M250 pnumatic compressed by mechanically pressed and as per approved design including 75mm Sand	Sqm		

Item No.	Item of work	Unit	Rate	
			In figure	In words
	layer for levelling and filling the joint with sand in proper line and level etc complete.			
290	Providing and laying broken chine mosaic flooring for terrace using 12 mm to 20 mm broken pieces of glazed tiles to be laid over cement mortar 1:3 to plain or slope and to be tempered to bring mortar creme out upto surface using white cement including rounding off junctions and extending them upto 15 cm along the wall,clearing with water and oxalic acid etc. as directed.	Sqm		
291	Providing and laying coloured glazed tiles of the size 300 mm x 200 mm x 8 mm / 300 mm x 450 mm x 8 mm in skirting, risers of steps and dedo on 10 mm. thick cement plaster 1:3 (1 cement : 3 coarse sand) & jointed with white cement slurry.	Sqm		
<b>I</b>	<b>ROOF COVERING</b>			
292	Providing corrugated G.I. sheet of class-3 roofing fixed with glavanished iron J or L Hooks, Bolts and nuts 8mm diameter with bitumen and G.I. limpet washer or G.I. limpet washer. filled with white lead complete excluding the cost of purlins, Rafters and Trusses.(1) 0.80 mm thick sheet.	Sqm		
293	Providing ridges or hips 600 mm overall in plain G.I. sheet class-3 fixed with G.I.J. or L Hooks and nuts 8mm dia G.I. Limpet and bitumen washer complete. (1) 0.80 mm thick sheet.	Sqm		
294	Providing valleys 900mm overall in plain 1.6mm thick G.I. sheet fixed with G.I. J or L Hooks, Bolts and nuts glavanised iron J or L Hooks Bolts and nuts 8mm dia G.I. Limpet and bitumen washers complete.	Sqm		
295	Providing asbestos cement sheets roofing fixed with G.I J or L hooks, bolts & nuts 8mm dia. C.I. plain and bitumen washer complete excluding the cost of purlins, fagters and trusses. (A) Corrugated sheet (i) 7mm thick	Sqm		
296	Providing asbestos cement sheets roofing fixed with G.I J or L hooks, bolts and nuts 8mm dia. C.I. plain and bitumen washer complete excluding the cost of purlins, fagters and trusses. (A) Corrugated sheet (ii) 6mm thick	Sqm		
297	Providing and fixing 150mm wide 450mm over all semicircular plain G.I.sheet class-3 gutter with Iron brackets 40mm x 3mm size Bolts, Nuts, washers etc. including making necessary connection with rain water pipes (i) 0.80 mm thick Sheet.	Sqm		
298	Filling cement concrete 1:2:4 (1- Cement :2-coarse sand :4-graded stone aggregate 12.5 mm nominal size) in gaps of A.C. sheet corrugation and wings of ridges.	Rmt		
299	Providing and fixing tiles roofing with manglore tiles including teak reepers of sizes 50mm x 25mm.	Rmt		
300	Providing and Fixing 6 mm thick Lexan Polycarbonate multi wall roofing sheet fixed with hilti screw and rubber silicon sealer and alluminium strip of size 50 x 3 mm etc complete as directed by Engineer in charge.	Sqm		



Item No.	Item of work	Unit	Rate	
			In figure	In words
<b>J</b>	<b>CEILING &amp; LINING</b>			
301	Providing and fixing wooden planks ceiling with tongued and grooved jointing and wood screws (frame work and cover fillings to be measured and laid for separately) (A) Indian Teak wood (i) 12mm thick	Sqm		
302	Providing and fixing wooden planks ceiling with tongued and grooved jointing and wood screws (frame work and cover fillings to be measured and laid for separately) (A) Indian Teak wood (ii) 20mm thick	Sqm		
303	Providing and fixing wooden planks ceiling with tongued and grooved jointing and wood screws (frame work and cover fillings to be measured and laid for separately) (A) Indian Teak wood (iii) 25mm thick	Sqm		
304	Deduct for butt jointing in place of touged and grooved type joint in item No.16.3	Sqm		
305	Providing and fixing fibre insulations board lining with butt jointing and Nails (frame worked cover fillets to be measured and paid for separately) (i) 12mm thick	Sqm		
306	Providing and fixing fibre insulations board lining with butt jointing and Nails (frame worked cover fillets to be measured and paid for separately) (ii) 18mm thick	Sqm		
307	Providing and fixing fibre insulations board lining with butt jointing and Nails (frame worked cover fillets to be measured and paid for separately) (iii) 25mm thick	Sqm		
308	Providing and plywood lining with but jointed and nails (frame work and cover fillets to be measured and paid for separately) (i) 6mm thick ply.	Sqm		
309	Providing and plywood lining with but jointed and nails (frame work and cover fillets to be measured and paid for separately) (ii) 9mm thick ply.	Sqm		
310	Providing and fixing plain asbestos sheet lining with butt jointing and wood screws (frame work and cover fillets to be paid for separately) (i) Class A-6 5mm thick	Sqm		
311	Providing and fixing plain asbestos sheet lining with butt jointing and wood screws (frame work and cover fillets to be paid for separately) (ii) Class B-5 5mm thick	Sqm		
312	Providing and fixing eco-friendly light weight calcium silicate false ceiling tiles having Tegular edge & 15 mm Thick Densified edges on the Tile Periphery for Extra Strength The Light weight calcium silicate ceiling tiles shall have, light reflection 85% non-combustible as per B.S. 476 part IV, 100% humidity resistance and also having thermal conductivity 0.043° w/m KC. for the best thermal Insulation. The Light weight calcium Silicate tile shall be of approved texture Fine fissured/ Spintone/ Cosmos having NRC value of 0.5 & Globe having NRC value of 0.75 NRC or equivalent of size 595 X 595 mm to be laid on true horizontal level suspended inter locking metal grid of hot dipped galvanized steel sections (galvanizing @120 grams per sqm including both side) consisting of main 'T' runner suitably spaced at joints to get required length and size of 24X38mm made from 0.30 mm thick (minimum) sheet, 1200mm centre to centre,	Sqm		

Item No.	Item of work	Unit	Rate	
			In figure	In words
	and cross 'T' of size 24X28mm made out of 0.33mm (Minimum) sheet spaced 1200mm along spaced between main 'T' at 600mm centre to centre to form agrid of 1200X600mm and secondary cross 'T' of length 600mm and size 24x28mm made of 0.30 mm thick (Minimum) sheet to be interlocked at middle of the 1200X600mm panel to form grid of size 600X600mm resting on periphery walls/partitions on a perimeter wall angle pre-coated steel of size (24X24X3000mm made of 0.40mm thick (minimum) sheet with the help of rawl plugs at 450mm centre to centre with 25mm long dry wall screws @ 230mm interval and laying 15mm thick Densified edges light weight calcium silicate ceiling tiles of approved texture (Fine Fissured/Cosmos/Spintone) in the grid including, cutting /making opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc., wherever required, Main 'T' runners to be suspended from ceiling using G.I. slotted cleats of size 25X35X1.6mm fixed to ceiling with 12.5mm dia and 50mm long dash fasteners, 4mm G.I. adjustable rods with galvanized steel level clips of size 85X30X0.8mm, spaced at 1200mm centre to centre			
	long main 'T' bottom exposed with 24mm of all T-sections shall be pre-painted with polyester baked paint, for all heights, as per specifications, drawings and as directed by engineer-in-charge.Note:- Only calcium silicate false ceiling area will be measured from wall to wall. No deduction shall be made for exposed frames/opening (cut outs) having area less than 0.30 sqm. The calcium silicate ceiling tiles shall have NRC. Value of 0.50 (Minimum) for Fine fissured/Spintone/Cosmos and 0.75 NRC for Globe, light reflection 85% non-combustible as per B.S. 476 part IV, 100% humidity resistance and also having thermal conductivity. 0.043° w/m KC.for the best thermal Insulation			
313	Providing and fixing single layer waterproof gypsum board 12.5 mm thick of the make Newgood Group Co. Ltd. or equivalent & Newgood Group Co. Ltd. company sections using waterproof board of size 1220 mm x 1830 mm x 8.0 mm suspended by G.I suapender of size 25 mm x 3 mm with intermediate channel of size 18 mm x 40 mm x 0.80 mm at 1220 mm center to center ceiling section of size 40 mm x 35 mm x 0.55 mm at 457 mm center to center and perimetre chanel A of size 20 mm x 27 mm x 30 mm x 0.50 mm at edges & drops including paper tap sand soffit cleat, anchor fastener, scoch bolt connecting cleat joining compound top coat on ceiling including making necessary opening for light fitting, diffuser etc. complete as per detail drawing as directed.	Sqm		
<b>K</b>	<b>PLASTERING &amp; POINTING</b>			
314	Providing 10mm thick cement plaster in single coat on brick/concrete walls for interior plastering upto floor two level and finished even and smooth in (i)Cement mortar 1:3 (1-cement:3-sand)	Sqm		
315	Providing 10mm thick cement plaster in single coat on brick/concrete walls for interior plastering upto floor	Sqm		

Item No.	Item of work	Unit	Rate	
			In figure	In words
	two level and finished even and smooth in (ii) Cement mortar 1:4 (1-cement :4-sand)			
316	Providing 10mm thick cement plaster in single coat on brick/concrete walls for interior plastering upto floor two level and finished even and smooth in (iii) Cement mortar 1:6 (1-cement:6-sand)	Sqm		
317	Providing 15mm thick cement plaster in single coat on Rough (Similar)side of single or half brick walls for interior plastering upto floor two level and finished even and smooth in (i) Cement mortar 1:3 (1-cement:3-sand)	Sqm		
318	Providing 15mm thick cement plaster in single coat on Rough (Similar)side of single or half brick walls for interior plastering upto floor two level and finished even and smooth in (ii) Cement mortar 1:4 (1-cement :4-sand)	Sqm		
319	Providing 15mm thick cement plaster in single coat on Rough (Similar)side of single or half brick walls for interior plastering upto floor two level and finished even and smooth in (iii) Cement mortar 1:6 (1-cement:6-sand)	Sqm		
320	Providing 20mm thick cement plaster in single coat on single or half brick walls for interior plastering upto floor two level and finished even and smooth in (i) Cement mortar 1:3 (1-cement:3-sand)	Sqm		
321	Providing 20mm thick cement plaster in single coat on single or half brick walls for interior plastering upto floor two level and finished even and smooth in (ii) Cement mortar 1:4 (1-cement :4-sand)	Sqm		
322	Providing 20mm thick cement plaster in single coat on single or half brick walls for interior plastering upto floor two level and finished even and smooth in (iii) Cement mortar 1:6 (1-cement:6-sand)	Sqm		
323	Extra over items 58 to 64 for finishing with a floating coat of neat cement slurry.	Sqm		
324	(A) Extra over items 58 to 67 for providing and mixing water proofing materials in cement mortar in proportion recommended by the manufacturer.	Per bag of 50Kg of Cement		
325	Extra over items 58 to 71 for plastering on ceilings and soffits of stairs upto floor two level instead of plastering on walls.	Sqm		
326	Extra over items 1 to 69, 71 to 87 and 90 for interior plastering above floor two level for every additional storey height. (1) Single coat plaster	Sqm x No. of storey		
327	Extra over items 1 to 69, 71 to 87 and 90 for interior plastering above floor two level for every additional storey height.(2) Two coat plaster	Sqm x No. of storey		
328	Extra over items 1 to 69, 71 to 87 and 90 for interior plastering above floor two level for every additional storey height (3) Floating coat of neat cement	Sqm x No. of storey		
329	Extra over item 91 for plastering on ceiling and soffits of stairs above floor two level for every additional storey height.	Sqm		

Item No.	Item of work	Unit	Rate	
			In figure	In words
330	20mm thick sand faced cement plaster on walls upto height 10 metres above ground level consisting of 12mm thick backing coat of C.M. 1:3 (1-cement : 3-sand) and 8mm thick finishing coat of C.M. 1:1 (1-cement : 1-sand) etc. complete.	Sqm		
331	Pointing on brickwork with cement mortar 1:3 (1-cement : 3-coarse sand) (A) Flush pointing	Sqm		
332	Pointing on brickwork with cement mortar 1:3 (1-cement : 3-coarse sand) (B) Ruled pointing	Sqm		
333	Pointing on brickwork with cement mortar 1:4 (1-cement : 4-coarse sand)(A) Flush pointing	Sqm		
334	Pointing on brickwork with cement mortar 1:4 (1-cement : 4-coarse sand) (B) Ruled pointing	Sqm		
335	Extra over item 17.112 to 17.151 for pointing on walls on the outside at height more than 10metres from ground level for every additional height of 5 metres of part there of.	Sqm		
336	Providing cement vata (10cm. x 10 cm. size) quarter round in cement mortar 1:1 including neat cement finishing, watering etc. complete.	Rmt		
337	Providing 20 mm thick double coat mala cement plaster on interior brick / concrete work for plastering comprising of base coat of 12 mm thick cement plaster in cement mortar (1 Cement : 4 coarse sand) in rough finishing and 8 mm thick top coat of cement mortar 1:2 (1 Cement : 2 Coarse sand) finished with trovel including scaffolding curing etc. complete.	Sqm		
<b>L</b>	<b>WHITE WASHING COLOR WASHING DISTEMPERING &amp; OTHER FINISHING</b>			
338	White washing with lime on wall surface (two coats) to give an even shade including thoroughly booming the surface to remove all dirt, dust; mortar drops and other foreign matter.	Sqm		
339	White washing with lime on wall surface (one coats) to give an even shade including thoroughly booming the surface to remove all dirt, dust; mortar drops and loose scales of lime wash and other foreign matter.	Sqm		
340	Extra over items 11 to 12 for every subsequent coat of white washing with lime on wall surface.	Sqm		
341	Extra over item 11 for white washing with lime on ceilings and/or sloping roofs.	Sqm		
342	Extra over Item 2 for white washing with lime on ceilings and sloping roofs.	Sqm		
343	Extra over Item 13 for every subsequent coat of white washing with lime on ceilings and/or sloping roofs.	Sqm		
344	Colour washing with lime on wall surface (two coats ) over and including a primary coat of white washing to give an even shade after through brooming the surface to remove all dirt, dust, mortar drops and other foreigh matter.	Sqm		
345	Colour washing with lime on wall surface (one coats ) to give an even shade including thoroughly brooming	Sqm		

Item No.	Item of work	Unit	Rate	
			In figure	In words
	the surface to loose scales of lime wash and other foreign matter.			
346	Extra over item 17 to 18 for every subsequent coat of colour wash with lime on wall surface	Sqm		
347	Extra over Item 17 for colour washing on ceilings and/or sloping roofs.	Sqm		
348	Extra over items 18,19 for colour washing on ceilings and sloping roofs.	Sqm		
349	Cement washing with portland cement slurry on wall surface (one coat) to give a smooth finish including thoroughly broomings the surface to remove all dirt, mortar drops and other foreign Brand.	Sqm		
350	Extra over Item No. 29 for every subsequent coat of cement washing with port land cement slurry	Sqm		
351	Distempeing (Two coats) with oil bound distemper of approved brand and manufacture and of required shade on wall surfaces to give an even shade, over and including a priming coat with distemper primer of approved brand and manufacture after thoroughly brushing the surface free from mortar dropping and other foreign matter and also including preparing the surface even and sand papered smooth.	Sqm		
352	Distempeing (Two coats) with oil bound washable distemper of approved brand and manufacture and of required shade on wall surfaces to give an even shade, over and including a priming coat with alkali resistance primer of approved brand after thoroughly brushing the surface and other foreign matter and also including preparing the surface even and sand parpered smooth.	Sqm		
353	Distempeing (One coats) with oil bound washable distemper of approved brand and of required shade on wall surfaces to give an even shade, after thoroughy brushing the surface clean of all grease dirt, loose pieces of scales and also including distempering with oil bound washable distemper of preparing the surface even and smooth.	Sqm		
354	Extra over Item 44 to 46 for every subsequent coat of approved brand and manufacture.	Sqm		
355	Extra over Item 44,45 for distempering with oil bound washable distemper on celling and sloping roofs.	Sqm		
356	Extra over Item 46,47 for every subsequent coat of distempering on celling and sloping roofs.	Sqm		
357	Finishing wall with water proofing cement paint of on wall surfaces (Two coats) to give an approved brand and manufacture and of required shape even shade after thoroughly brushing the surface to remove all dirt and remains of loose powered materials.	Sqm		
358	Extra over Item 51 for every subsequent coat of water proofing cement paint of approved brand and manufacture.	Sqm		
359	Extra over item 51 for finishing with cement paint on ceiling and sloping roofs.	Sqm		

Item No.	Item of work	Unit	Rate	
			In figure	In words
360	Extra over item 53 for every subsequent coat of finishing with cement paint on ceiling and sloping roofs.	Sqm		
361	Wall painting (two coats) with plastic emulsion paint of approved brand and manufacture on undecorated wall surface to give an even shade including thoroughly brushing the surface free from mortar droppings and other foreign matter and sand papered smooth.	Sqm		
362	Extra over item 57 for every subsequent coat of wall painting with plastic emulsion pain of approved brand.	Sqm		
363	Extra over item 57 for painting with plastic emulsion paint of approved brand on ceilings and sloping roofs.	Sqm		
364	Extra over item 59 for every subsequent coat of painting with plastic emulsion paint on ceiling and sloping roofs.	Sqm		
<b>M</b>	<b>PAINTING &amp; POLISHING</b>			
365	Applying priming coat over new steel and other metel surface after and including preparing the surface by thoroughly cleaning, oil,grease, dirt and other foreign matter and scoured with brushes fine steel wood, scrapers and sand paper with ready mixed priming paint brushing red lead.	Sqm		
366	Painting two coats (excluding priming coat) on new steel and other metal surface with enamel paint, brushing, interior to give an even shade including cleaning the surface an even shade including cleanich the surface of all dirt, dust and other foreign matter.	Sqm		
367	Painting one coats (excluding priming coat) on previously painted steel and other metal surface with enamel paint, brushing to give an even shade including cleaning the surface of all dirt, dust and other foreign matter.	Sqm		
368	Extra over item 7 and 11 for every subsequent coat of paint	Sqm		
369	Painting two coats (excluding priming coat) on new steel and other metal surface with synthetic enamel paint, brushing to give an even shade including cleaning the surface of all dirt, dust and other foreign matter.	Sqm		
370	Painting one coats (excluding priming coat) on previously printed steel and other metal surface with synthetic enamel paint, brushing to give an even shade including cleaning the surface of all dirt, dust and other foreign matter.	Sqm		
371	Extra over item 19 and 21 for every subsequent coat of paint.	Sqm		
372	Painting two coats (excluding priming coat) on external surface of new rain water, soil, waste and vent pipes and fittings with ready mixed bituminous brushing, black, anticorrosive to give an even shade including cleaning of all dirt, dust and other foreign matter. (B) 75mm dia.	Sqm		
373	Painting two coats (excluding priming coat) on external surface of new rain water, soil, waste and	Sqm		

Item No.	Item of work	Unit	Rate	
			In figure	In words
	vent pipes and fittings with ready mixed bituminous brushing, black, anticorrosive to give an even shade including cleaning of all dirt, dust and other foreign matter. (C) 100mm dia.			
374	Applying priming coat over new wood and wood based surface after and including preparing the surface by thoroughly cleaning oil, grease, dirt and other foreign matter, sand papering and knotting. (B) Ready mixed paint brushing wood primer pink.	Sqm		
375	Applying priming coat over new wood and wood based surface after and including preparing the surface by thoroughly cleaning oil, grease, dirt and other foreign matter, sand papering and knotting. (C) Ready mixed paint brushing priming for enamel	Sqm		
376	Extra over item 59 for every subsequent coat of priming coat. (B) Ready mixed paint brushing wood primer pink.	Sqm		
377	Extra over item 59 for every subsequent coat of priming coat. (C) Ready mixed paint brushing priming for enamel	Sqm		
378	Painting two coats (excluding priming coat) on new wood and wood based surface with enamel paint, interior to give an even shade including cleaning the surface of all dirt, dust and other foreign matter sand papering and stopping.	Sqm		
379	Painting one coats (excluding priming coat) on previously painted wood and wood based surface with enamel paint, to give an even shade including cleaning the of all dirt, dust and other foreign matter.	Sqm		
380	Extra over item 71 and 73 for every subsequent coat of paint.	Sqm		
381	Painting two coats (excluding priming coat) on new wood and wood based surface with ready mixed paint, brushing, oil, gloss, semi gloss to give and even shade including cleaning of all dust, dirt and other foreign matter sand papering and stopping.	Sqm		
382	Varnishing two coats (excluding priming coat) on new wood and wood based surface under coating with flatting varnish and finished coat with varnish to give an even surface including cleaning the surface of all dirt, dust and sand papering so as to produce a smooth dry surface.	Sqm		
383	Extra over item 84 for every subsequent coat of varnish.	Sqm		
384	Polishing with french polish on new wood and wood based surface to give an even surface including cleaning, the surface of all dirt, dust and sand papering smooth and including a coat of wood filler.	Sqm		
385	Polishing with french polish on previously polished wood and wood based surface to give an even surface including cleaning, the surface of all dirt, dust and sand papered smooth and including a coat of wood filler.	Sqm		
386	Applying wax polish on new wood and wood surface with bees wax polish in proportion of 2:1.5 :1:0.5 (2- Bees wax : 1.5 Linseed oil : 1- Turpentine even	Sqm		

Item No.	Item of work	Unit	Rate	
			In figure	In words
	surface including cleaning the surface of all dirt dust and sand papered smooth.			
387	Applying wax polish on previously wax polished wood and wood based surface with bees wax polish in proportion of 2:1.5 :1:0.5 (2-Bees wax : 1.5 Linseed oil : 1- Turpentine : 0.5 varnish by weight to give an even surface including cleaning the surface of all dirt dust and sand papered smooth.	Sqm		
388	Coat tarring two coats on new wood and wood based surfaces using 0.16 and 0.12 Litres of coal tar per Sq.M. in the first and second coat respectively to give an even shade including cleaning of all dirt, dust and other foreign matter.	Sqm		
389	Extra over item 19.98 or every subsequent coat of painth	Sqm		
390	Writing letter or figures on any surface with black japan paint (stops,comas, hyphens and the like not to be measured and paid for separately)(i) Block (Letters/Figures) (Per 10 Letter pet CM.HT)	Per Letter Per Cm/Ht.		
391	Writing letter or figures on any surface with black japan paint (stops,comas, hyphens and the like not to be measured and paid for separately) (ii) Indian (Letters/Figures)	Per Letter Per Cm/Ht.		
392	Extra over items 19.119 for using thick white paint instead of black japan paint. (i) Block (Letters/Figures)	Per Letter Per Cm/Ht.		
393	Extra over items 19.119 for using thick white paint instead of black japan paint. (ii) Indian (Letters/Figures)	Per Letter Per Cm/Ht.		
394	Painting lines, deashes, arrows, letters etc on roads, Air fields and like in two coats with road marking paint, brushing including cleaning the surface of all dirt, dust and other foreign matter. (i) Over 10cm in width	Sqm		
395	Painting lines, deashes, arrows, letters etc on roads, Air fields and like in two coats with road marking paint, brushing including cleaning the surface of all dirt, dust and other foreign matter. (ii) Upto 10 cm in width	Rmt		
396	Painting lines, deashes, arrows, letters etc on roads, Air fields and like in one coats with road marking paint, brushing including cleaning the surface of all dirt, dust and other foreign matter. (i) Over 10cm in width	Sqm		
397	Painting lines, deashes, arrows, letters etc on roads, Air fields and like in one coats with road marking paint, brushing including cleaning the surface of all dirt, dust and other foreign matter. (ii) Upto 10 cm in width	Sqm		
398	Finishing wall with weather proof exterior emulsion paint on wall surface (two coats) to give an required shape even shade after thoroughly brushing the surface to remove all dirt, and remains of loose powdered materials.etc complete	sqm		
399	Applying two coats of Birla (white cement based) or Asian (acrylic lapy- putty) or equivalent & two coats of primer of approved brand and manufacture on new wall surface to give an even shade including	sqm		



Item No.	Item of work	Unit	Rate	
			In figure	In words
	thoroughly brushing the surface free from mortar dropping and other foreign matter and sand papered smooth.			
<b>N</b>	<b>DEMOLITION &amp; DISMANTLING</b>			
400	Demolition and disposal of unserviceable materials with all lead and lift.(i) Lime concrete.	cu.m		
401	Demolition and disposal of unserviceable materials with all lead and lift.(i) Cement concrete.	cu.m		
402	Demolition including stacking of serviceable materilas and disposal of unserviceable materials with all lead and lift. (i) R.C.C. work	cu.m		
403	Demolition of Brick work and stone masonry including stacking of serviceable materilas and disposal of unserviceable materials with all lead and lift. (i) In Lime Mortar.	cu.m		
404	Demolition of Brick work and stone masonry including stacking of serviceable materilas and disposal of unserviceable materials with all lead and lift.(ii) In Cement Mortar.	cu.m		
405	Demolition of terrace including stacking of serviceable materilas and disposal of unserviceable materials with all lead and lift.(i) Brick tile covering.	Sqm		
406	Dismantaling tiled of stone floors laid in mortar including stacking of serviceable materilas and disposal of unserviceable materials with all lead and lift.	Sqm		
407	Dismantaling of wooden floors including stacking of serviceable materilas and disposal of unserviceable materials with all lead and lift.	Sqm		
408	Dismantaling of sheet roofing including ridges, Hips, Valleys, Gutters etc. stacking of serviceable materilas and disposal of unserviceable materials with all lead and lift.(i) G.I.sheet roofing.	Sqm		
409	Dismantaling of sheet roofing including ridges, Hips, Valleys, Gutters etc. stacking of serviceable materilas and disposal of unserviceable materials with all lead and lift.(ii) A.C. sheet roofing.	Sqm		
410	Dismantalings manglore of country tile roofing with battens boarding etc. including stacking of serviceable materilas and disposal of unserviceable materials with all lead and lift.(ii) A.C. sheet roofing.	Sqm		
411	Dismantalings cement asbestos hard board in ceiling or partition walls, wooden trellies work including trellies work including frames ,stacking of serviceable materilas and disposal of unserviceable materials with all lead and lift.	Sqm		
412	Dismantling wood work, wrought framed and fixed in frames trusses including stacking the materials with all lead and lift.	cu.m		
413	Dismantling expanded metal or I.R.C Fabric with necessary battens and beadings including frame work, and stacking the serviceable materials with all lead and lift.	Sqm		

Item No.	Item of work	Unit	Rate	
			In figure	In words
414	Dismantling steel work including distempering and stacking the materials with all lead and lift.	Kg		
415	Dismantling doors, windows, ventilators etc. (wood or steel) shutters including chowkhats architraves, holdfasts and other attachment etc. complete and stacking them within all lead and lift.(i) Not exceeding 3 Sq.M. in area.	Each		
416	Dismantling doors, windows, ventilators etc. (wood or steel) shutters including chowkhats architraves, holdfasts and other attachment etc. complete and stacking them within all lead and lift.(ii) Exceeding 3 Sq.M. in area.	Each		
417	Dismantling barbed wire in fencing including making rolls and also including dismantling fencing posts including all earth work concrete in base and making good the disturbed ground stacking useful materials as directed and disposing as directed and disposing of the unserviceable materials with all lead and lift.	Rmt		
418	Dismantling C.I. pipes G.S.W.pipes abd A.C. rain water pipes with fittings and clamps including stacking the materials with all lead and lift ( for any dia, of pipe)	Rmt		
419	Dismantling sanitary fittings like wash basin . W.C. pan Indian and European type, flushing tank etc. including stacking the materials with all lead and lift.	Each		
420	Scraping oil paint from steel and other metal surface and making the surface even (with Hand Scraping.)	Sqm		
421	Providing and fixing 15 mm diameter backup rod having minimum density 22 kg per cum (ASTMD - 3575) & compression strength of 0.40 kg per sqm (ASTM - 5249) and finishing with polysulphide sealant etc. complete. For 12 mm wide expansion joint	Rmt		
422	Providing and fixing 25 mm diameter backup rod having minimum density 22 kg per cum (ASTMD - 3575) & compression strength of 0.40 kg per sqm (ASTM - 5249) and finishing with polysulphide sealant etc. complete. For 20 mm wide expansion joint	Rmt		
423	Providing and fixing 30 mm diameter backup rod having minimum density 22 kg per cum (ASTMD - 3575) & compression strength of 0.40 kg per sqm (ASTM - 5249) and finishing with polysulphide sealant etc. complete. For 25 mm wide expansion joint	Rmt		
424	Providing and fixing 50 mm diameter backup rod having minimum density 22 kg per cum (ASTMD - 3575) & compression strength of 0.40 kg per sqm (ASTM - 5249) and finishing with polysulphide sealant etc. complete. For 40 mm wide expansion joint	Rmt		
425	Providing and fixing 60 mm diameter backup rod having minimum density 22 kg per cum (ASTMD - 3575) & compression strength of 0.40 kg per sqm (ASTM - 5249) and finishing with polysulphide sealant etc. complete. For 50 mm wide expansion joint	Rmt		
426	Removing and scraping of old deteriorated plaster of any thickness from wall / R.C.C member including stacking of serviceable material and disposal of unserviceable from site of work with all lead and lift	Sqm		

Item No.	Item of work	Unit	Rate	
			In figure	In words
427	Structural steel work ( Confirming to IS 4923-1997) riveted, bolted or welded in builtup for all type sections, in framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete as per the structural designs and directions of Engineer in charge.Column ( 122 x 61 x 3.6mm )	kg		
428	Providing and fixing of Ridge flashing for roof panel shall be made out of 0.5 mm thick pre coated GI sheet . The Precoated sheet shall be of minimum 240 mpa steel grade confirming to IS 14246:1995 and shall have zinc coating of minimum 120 gsm as per IS:277:1992, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 micron. The PPGI Sheet shall have plastic protective guard film of minimum 25 microns to avoid scratches during transportation. The ridge shall be fixed to the steel members by pop rivet or self drilling/self stitching fastners @ maximum 450 mm c/c along length of capping/flashing etc complete.	Rmt		
429	Providing and fixing of Ridge flashing for roof panel shall be made out of 0.5 mm thick pre coated GI sheet. The Precoated sheet shall be of minimum 240 mpa steel grade confirming to IS 14246:1995 and shall have zinc coating of minimum 120 gsm as per IS:277:1992, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 micron. The PPGI Sheet shall have plastic protective guard film of minimum 25 microns to avoid scratches during transportation. The ridge shall be fixed to the steel members by pop rivet or self drilling/self stitching fastners @ maximum 450 mm c/c along length of capping/flashing etc complete.	Sqm		
430	Providing and fixing of end cap of Roofing panel. The End Cap track shall be made out of 0.5 mm thick pre coated GI sheet suitable for 30mm thick panel.The Precoated sheet shall be of minimum 240 mpa steel grade confirming to IS 14246:1995 and shall have zinc coating of minimum 120 gsm as per IS:277:1992 , 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 micron. The PPGI Sheet shall have plastic protective guard film of minimum 25 microns to avoid scratches during transportation. The U track shall be fixed with suitable POP rivet with wall and roof panels with minimum spacing of 450 mm c/c.	Rmt		
431	Providing and fixing of end cap of Roofing panel. The End Cap track shall be made out of 0.5 mm thick pre coated GI sheet suitable for 40mm thick panel.The Precoated sheet shall be of minimum 240 mpa steel grade confirming to IS 14246:1995 and shall have zinc coating of minimum 120 gsm as per IS:277:1992 , 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 micron. The PPGI Sheet shall have plastic protective guard film of minimum 25 microns to avoid scratches during transportation. The U track shall be fixed with suitable POP rivet with wall and roof panels with minimum spacing of 450 mm c/c.	Rmt		
432	Providing and fixing of Corner Angle for Various Flashing in 25mm x 25mm size in Equal Shape with 5mm edge lipping on both side . The Angle Flashing	Rmt		

Item No.	Item of work	Unit	Rate	
			In figure	In words
	shall be made out of 0.5 mm thick pre coated GI sheet with edge bending of approximate 5mm. The Precoated sheet shall be of minimum 240 mpa steel grade confirming to IS 14246:1995 and shall have zinc coating of minimum 120 gsm as per IS:277:1992 , 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 micron. The PPGI Sheet shall have plastic protective guard film of minimum 25 microns to avoid scratches during transportation. The U track shall be fixed with suitable POP rivet with wall and roof panels with minimum spacing of 450 mm c/c.			
433	Providing and fixing of Corner Angle for Various Flashing in 50mm x 50mm size in Equal Shape with 5mm edge lipping on both side . The Angle Flashing shall be made out of 0.5 mm thick pre coated GI sheet with edge bending of approximate 5mm. The Precoated sheet shall be of minimum 240 mpa steel grade confirming to IS 14246:1995 and shall have zinc coating of minimum 120 gsm as per IS:277:1992 , 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 micron. The PPGI Sheet shall have plastic protective guard film of minimum 25 microns to avoid scratches during transportation. The U track shall be fixed with suitable POP rivet with wall and roof panels with minimum spacing of 450 mm c/c.	Rmt		
434	Providing and fixing of Corner Angle for Various Flashing in 100mm x 100mm size in Equal Shape with 5mm edge lipping on both side . The Angle Flashing shall be made out of 0.5 mm thick pre coated GI sheet with edge bending of approximate 5mm. The Precoated sheet shall be of minimum 240 mpa steel grade confirming to IS 14246:1995 and shall have zinc coating of minimum 120 gsm as per IS:277:1992 , 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 micron. The PPGI Sheet shall have plastic protective guard film of minimum 25 microns to avoid scratches during transportation. The U track shall be fixed with suitable POP rivet with wall and roof panels with minimum spacing of 450 mm c/c.	Rmt		
435	Providing and fixing of Corner Angle for Various Flashing in 150mm x 150mm size in Equal Shape with 5mm edge lipping on both side . The Angle Flashing shall be made out of 0.5 mm thick pre coated GI sheet with edge bending of approximate 5mm. The Precoated sheet shall be of minimum 240 mpa steel grade confirming to IS 14246:1995 and shall have zinc coating of minimum 120 gsm as per IS:277:1992 , 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 micron. The PPGI Sheet shall have plastic protective guard film of minimum 25 microns to avoid scratches during transportation. The U track shall be fixed with suitable POP rivet with wall and roof panels with minimum spacing of 450 mm c/c.	Rmt		
436	Preparing and applying of water soluble, nonflammable, reactive and penetrative silane nanotechnology with water (<1000 ppm TDS) in the ratio of 1 liter silane :20 liter water mixed with 0.5 liter acrylic copolymer polymer compatible and stable in silane solution. Take 1 liter of silane nanotechnology and add in 20 liter water in drum under manual stirring	sqm		

Item No.	Item of work	Unit	Rate	
			In figure	In words
	and then add 0.5 liter acrylic copolymer under manual stirring and mix completely. Spray apply the solution at the rate of 1 liter per sqm on horizontal and 0.5 liter per sqm on vertical new or old cementitious / concrete surface . (For very dense concrete of M50 and above for bridges may not absorb 1 liter per sq meter so reduce the water of dilution to 1:10)Horizontal Surface			
437	Preparing and applying of water soluble, nonflammable, reactive and penetrative silane nanotechnology with water (<1000 ppm TDS) in the ratio of 1 liter silane :20 liter water mixed with 0.5 liter acrylic copolymer polymer compatible and stable in silane solution. Take 1 liter of silane nanotechnology and add in 20 liter water in drum under manual stirring and then add 0.5 liter acrylic copolymer under manual stirring and mix completely. Spray apply the solution at the rate of 1 liter per sqm on horizontal and 0.5 liter per sqm on vertical new or old cementitious / concrete surface . (For very dense concrete of M50 and above for bridges may not absorb 1 liter per sq meter so reduce the water of dilution to 1:10)Vertical Surface	sqm		
<b>O</b>	<b>REPAIRS TO BUILDING</b>			
438	Providing and fixing M.S. fan clamps of shape and size as specified in existing R.C.C. slab including cutting chase and making good.	Each		
439	Cutting out cracks of roof terrace to V- section, cleaning out, wetting, grouting with cement and sand slurry 1:3 (1 cement : 3 sand)	Rmt		
440	Cutting out cracks roof terrace to V-Section cleaning out and filling solidly with a hot mixture of bitumen and clean dry sand (1:1 by weight)	Rmt		
<b>P</b>	<b>MISCELLANEOUS BUILDING ITEM</b>			
441	Providing and fixing 1.20 Metre high fencing with 2.0 Metre long M.S. Angle posts 40mm x 40 mm x6 mm and oil painting 3 coats fixed at 2.5 Mt,C/c. with five Horizontan lines and two diagonals of galvanised steel barbed wire weighting 9.38 Kg. per 100 Metre, strained and fixed to posts with G.I,staples including fixing the postsin ground with 0.5 M x 0.5.M x 0.5 M. block in C.C1:5:10 etc complete.	Rmt		
442	Construction of B,B,masonry paniyara 23cm. x 75cm. wall and 15cm x 15cm curbing including fixing precast R.C.C. arble mosaic (Terrazo) slab of 75mm thickness on top and smooth finishing in cement plaster in C.M. 1:3 curing etc. complete including drainage out waste water arrangements.	Rmt		
443	Constructing a sink (chowkedi) with C.C. 1:2:4, 12cm. thick over B.B. masonry in C.M,(1:6) in front and dwarf wall 1.0 Mt.high and 23 cm.thick cement plaster to masonry / in C.M.1:3) and cement concrete flooring in 1:2:4: mi x 5 cm. dia. drain pipe etc.complete.	Rmt		
444	Constructing a cooking platform 60 cm. width and 70 cm high resting on B.B.Masonry walls 23 cm.thick in C.M.(1:6) with (i) Fixing or precast R.C.C.1:2:4) 8 cm. thick slab with marble chips set in C.M. (1:6) (6mm thick terrazo) with plastering on exposed faces walls in C.M. (1:4) etc complete.	Rmt		

Item No.	Item of work	Unit	Rate	
			In figure	In words
445	Constructing a cooking platform 60 cm. width and 70 cm high resting on B.B.Masonry walls 23 cm.thick in C.M.(1:6) with (ii) Fixing black kadappa stone 30mm thick laid on precast R.C.C. (1:2:4) slab with plastering on exposed faces of wall in C.M. (1:4) etc complete.	Rmt		
446	Carring out timber treatment to all wood work including drilling holes and spraying oil based chemical solution on surface of timber work for termite control including labour and material etc. complete. Using Chlordene 20 EC. As Per 6113_part III Consentrarion Weight 1.00 percent is recommended one litre chemical emulsion dillute with 9 liter of kerosene precent concentration. Total dillute concentration will be 10 litre inclusive of the litre chemical emulsion appication 0.75 / Litre chemical per one Sqmt printed two coat wood surface.	Smt		
447	Applying general insecticide pest control treatment to floors, cupboards etc including labour material etc. complete. Using Heptachloride 20 EC. As Per 6113_pests Consentrarion Weight 0.50 percent is recommended one litre chemical emulsion dillute with 39 liter of water will give. Total dillute concentration will be 40 litre inclusive of one litre chemical emulsion appication 0.5 Litre chemical / Sqm of surface is recommended as per I.S	Smt		
448	Carring out plinth treatment to post construction / existing structure by spraying chemical solution for termite control treatment including labour and material consistment with I.S.I specification. Using Chlordene and Chiorpurfiles 20 EC. As Per 6131_paret-II Consentrarion Weight one percent is recommended i.e one litre 20 EC chemical emulsion with 19 liter give 1 % concentration inclusive of one litre chemical emulsion appication at the rate of 5 Litre chemical / Sqm of surface is recommended as per I.S	Smt		
449	Carrying out wall treatment for termite control including spraying with chemical solution in oil base (0.5 Lit./ Sq.M.) including labour and material Using Hepachlor concentration 20 EC. As Per IS. 6316_paret-II Consentrarion by Weight 0.50 percent is recommended i.e one litre chemical emulsion dillute with 39 liter of IS concentration total dillite concentration will be 40 litre inclusive of one litre chemical emulsion appication at the rate of 7.5 Litre chemical / Sqm of surface is recommended as per I.S	Smt		
450	Providing and laying bilimora type Brick facing in C.M. 1:1 laid over bedding of cement mortar 1:3 (20mm thickness) including clearing watering scaffolding etc. complete.	Smt		
451	Providing and fixing Teak wook rail of 60mm x 20mm size and 50cm. length including 3 coats of oil paint to wood work with set of 3 pags.	Rmt		
452	Providing erecting and fixing double coated Syntex PVC. (ISI) water tank of required capacity each with all necessary fittings and connection etc. complete on terrace.	litre		
453	Providing and mixing Migratory Corrosion Admixture POLYALK CP 293 having Specific Gravity 1.01 to	Cum		

Item No.	Item of work	Unit	Rate	
			In figure	In words
	1.04, pH value (Minimum 9.50) shall be alkaline in nature and having bipolar concrete penetrating corrosion inhibiting properties, inhibitor shall be non-nitrite based & have the ability to provide corrosion protection to both anodic and cathodic sites on the steel surface, inhibitor-steel complex shall formed polydentate complexes, having more than one bond with steel per molecule of inhibitor, with steel surface to promote proper film formation with enhanced bond to steel, inhibiting the electro-chemical corrosion reaction, inhibitor shall not have any adverse effect on concrete compressive strength, inhibitor shall have a corrosion rate of zero coulombs per ASTM-G109-2005, admixture shall be conforming to IS 9103 and in liquid form at the rate of 3Kg per one cubic meter volume of concrete admixture shall be added to the water, during mixing of cement, sand & aggregates and at the same rate admixture shall be added in case of Ready Mix Concrete at plant site, mixing of admixture during mixing of cement, sand and aggregates OR at work site the admixture shall be added in Concrete Transit Mixer before pumping / placing of concrete etc. complete.			
454	Providing and mixing Migratory Corrosion Admixture POLYALK CP 293 having Specific Gravity 1.01 to 1.04, pH value (Minimum 9.50) shall be alkaline in nature and having bipolar concrete penetrating corrosion inhibiting properties, inhibitor shall be non-nitrite based & have the ability to provide corrosion protection to both anodic and cathodic sites on the steel surface, inhibitor-steel complex shall formed polydentate complexes, having more than one bond with steel per molecule of inhibitor, with steel surface to promote proper film formation with enhanced bond to steel, inhibiting the electro-chemical corrosion reaction, inhibitor shall not have any adverse effect on concrete compressive strength, inhibitor shall have a corrosion rate of zero coulombs per ASTM-G109-2005, admixture shall be conforming to IS 9103 and in liquid form at the rate of 5% by weight of cementitious materials, during mixing of cement & sand before grouting of cementitious materials etc. complete.	Kg		
455	Providing and fixing Resin Bonded Rock Wool of density 48 kg / cum as & where required as directed by Engineer-in-Charge. Rock Wool confirming to IS: 8183	Cum		
456	Providing and fixing Vapour Breather Membrane Confirming to IBC 2009 on Exterior Cement Board as & Where directed by Engineer-in-Charge.	Sqm		
457	Providing and Laying of One side alluminium foil thermal bubble insulation barrier on the external side of the LWGS wall Panel under the Cement Board as & Where directed by Engineer-in-Charge.	Sqm		
458	Providing and Fixing 12 mm thick moisture & fire resistant heavy duty Cement Fibre Board (High pressure steam cured) Confirming to ISO 4862-2000 in wall panels of one face of cold formed galvanised light gauge steel frame structure to form wall / partition as & Where directed by Engineer-in-Charge	Sqm		

Item No.	Item of work	Unit	Rate	
			In figure	In words
459	Supply & fixing factory finished cold formed Light gauge steel frame sections conforming to SP:6 (5) 1980 at site or work including riveted, bolted or welded in builtup for all type of sections ,in framed work, cutting, hoisting, fixing in position and applying primer coat of approved steel primer etc. complete as per structural designs & directions of Engineer-in-charge.	Kg		
<b>Q</b>	<b>WATER SUPPLY PLUMBING &amp; SANITARY FITTING</b>			
460	Providing and fixing to wall, ceiling and floor galvanised Mild steel tubes (Medium grade) of the following nominal bore, tube fitting and clamps including making good the wall ceiling and floor.(A) 15mm	Rmt		
461	Providing and fixing to wall, ceiling and floor galvanised Mild steel tubes (Medium grade) of the following nominal bore, tube fitting and clamps including making good the wall ceiling and floor.(B) 20mm	Rmt		
462	Providing and fixing to wall, ceiling and floor galvanised Mild steel tubes (Medium grade) of the following nominal bore, tube fitting and clamps including making good the wall ceiling and floor.(C) 25mm	Rmt		
463	Providing and fixing to wall, ceiling and floor galvanised Mild steel tubes (Medium grade) of the following nominal bore, tube fitting and clamps including making good the wall ceiling and floor.(D) 32mm	Rmt		
464	Providing and fixing to wall, ceiling and floor galvanised Mild steel tubes (Medium grade) of the following nominal bore, tube fitting and clamps including making good the wall ceiling and floor.(E) 40mm	Rmt		
465	Providing and fixing to wall, ceiling and floor galvanised Mild steel tubes (Medium grade) of the following nominal bore, tube fitting and clamps including making good the wall ceiling and floor.(F) 50mm	Rmt		
466	Providing and laying in trenches galvanised mild steel tubes (Midium grade) of the following nominal bore, and tube fitting (Earthwork in trenches to be measured and paid for separately)(A) 15mm	Rmt		
467	Providing and laying in trenches galvanised mild steel tubes (Midium grade) of the following nominal bore, and tube fitting (Earthwork in trenches to be measured and paid for separately)(B) 20mm	Rmt		
468	Providing and laying in trenches galvanised mild steel tubes (Midium grade) of the following nominal bore, and tube fitting (Earthwork in trenches to be measured and paid for separately) (C) 25mm	Rmt		
469	Providing and laying in trenches galvanised mild steel tubes (Midium grade) of the following nominal bore, and tube fitting (Earthwork in trenches to be measured and paid for separately)(D) 40mm	Rmt		



Item No.	Item of work	Unit	Rate	
			In figure	In words
470	Providing and laying in trenches galvanised mild steel tubes (Medium grade) of the following nominal bore, and tube fitting (Earthwork in trenches to be measured and paid for separately)(E) 65mm	Rmt		
471	Providing and laying in trenches galvanised mild steel tubes (Medium grade) of the following nominal bore, and tube fitting (Earthwork in trenches to be measured and paid for separately)(H) 80mm	Rmt		
472	Making connection of galvanised Mild steel distribution branch with galvanised mild steel main 50mm to 80mm nominal bore by providing and fixing tee including cutting and threading the pipes complete.	Each		
473	Providing and fixing to wall ceiling and floor 6.0 Kg. F/Cm <sup>2</sup> working pressure polythene pipes of the following outside Dia. Low density, complete with special flange compression type fittings, wall clipsetc. including making good the wall ceiling and floor.(A) 20mm	Rmt		
474	Providing and fixing to wall ceiling and floor 6.0 Kg. F/Cm <sup>2</sup> working pressure polythene pipes of the following outside Dia. Low density, complete with special flange compression type fittings, wall clipsetc. including making good the wall ceiling and floor.(B) 25mm	Rmt		
475	Providing and fixing to wall ceiling and floor 10.0 Kg. F/Cm <sup>2</sup> working pressure polythene pipes of the following outside Dia. Low density, complete with special flange compression type fittings, wall clipsetc. including making good the wall ceiling and floor.(C) 32mm	Rmt		
476	Providing and fixing to wall ceiling and floor 10.0 Kg. F/Cm <sup>2</sup> working pressure polythene pipes of the following outside Dia. Low density, complete with special flange compression type fittings, wall clipsetc. including making good the wall ceiling and floor.(D) 40mm	Rmt		
477	Providing and fixing to wall ceiling and floor 10.0 Kg. F/Cm <sup>2</sup> working pressure polythene pipes of the following outside Dia. Low density, complete with special flange compression type fittings, wall clipsetc. including making good the wall ceiling and floor.(E) 50mm	Rmt		
478	Providing and fixing to wall ceiling and floor 10.0 Kg. F/Cm <sup>2</sup> working pressure polythene pipes of the following outside Dia. Low density, complete with special flange compression type fittings, wall clipsetc. including making good the wall ceiling and floor.(F) 75mm	Rmt		
479	Providing and fixing to wall ceiling and floor 10.0 Kg. F/Cm <sup>2</sup> working pressure polythene pipes of the following outside Dia. Low density, complete with special flange compression type fittings, wall clipsetc. including making good the wall ceiling and floor.(G)110 mm	Rmt		
480	Providing and fixing cast iron spigot and socket soil, waste and ventilating pipes of the following nominal size.(B) 75mm dia.	Rmt		

Item No.	Item of work	Unit	Rate	
			In figure	In words
481	Providing and fixing cast iron spigot and socket soil, waste and ventilating pipes of the following nominal size.(C) 100mm dia.	Rmt		
482	Providing and fixing in position cowel went to pipes.(B) 75mm dia.	Each		
483	Providing and fixing in position cowel went to pipes.(C) 100mm dia	Each		
484	Providing and fixing cast iron (Spun) Nahni trap of the following nominal diameter of self cleaning design with C.I. screaed down or higned grating including cost of cutting and making good the walls and floor 100mm inlet and 50mm outlet.(C) 100mm dia.	Each		
485	Providing and fixing water closet squatting Pan (Indian type W.C. Pan) size 580mm (Earthwork, bed concrete, foot reste and trap to be measured and paid for separately) (A) Vitreous China.(I) Long pattern = White colour	Each		
486	Providing and fixing wsh down water closet (European type, W.C. Pan) with integral P or S trap including jointing the trap with soil pipe in Cement Mortar 1:1 (1-Cement : 1-fine sand) (Seal and cover to be measured and paid for separately)(A) vitreous China Pattern :(i) in white colour	Each		
487	Providing and fixing 100mm size P or S trap for water closet squatting pan including jointing the trap with the pan and soil pipe in cement Mortar 1:1 (1-Cement : 1-Fine sand)(A) Vitreous China.	Each		
488	Providing and fixing in Cement Mortar 1:3 (1-Cement : 3-coarse sand)a, pair of white vitreous China 250mm x 130mm x 30mm footrest to long pattern squatting pan water closet.	Each		
489	Providing and fixing 12.5 Litres low level flushing cistern with a pair, of C.I. or Mild brackets, complete with fittings such as lead valve less syphon, 15mm nom.nal size brass ball valve with polythene float, C.P brass handle unions and couplings for connections, with inlet, outlet and overflow pipes, 40mm dia. porcelain enamelled flush bend including cutting holes in walls and making good the same connecting the flush bend with cistern and closet (overflow pipe to be measured and paid for separately)(A) Vitreous China (I) In white colour	Each		
490	Providing and fixing 12.5 Litres high level C..I. flushing cistern with A pair of C.I. or Mild steel brackets, womplete with fittings such as syplionic arrangement, 15mm nominal size brass ball valve with polythene float, lever G.I. China (60 cm. ) and pull union and couplings for connections with inlet, outlet and overflow pipes etc. including cutting holes in walls and making good the same (overflow pipe to be measured and paid fo separately)	Each		
491	Providing and fixing in position with clamps etc. 32mm nominal internal diameter galvanised steel tube flush pipe for high level flushing cistern including connecting the flush pipe with cistern and closet and making good the walls and floors.	Rmt		

Item No.	Item of work	Unit	Rate	
			In figure	In words
492	Providing and fixing G.I. inlet connection for flush pipe with W.C. Pan	Each		
493	Providing and fixing plastic seat and cover for wash down water closer with C.P. brass hinges and rubber buffers. (B) Black plastic seal and cover.	Each		
494	Providing and fixing washbasin with single hole for pillar tap with C.I. or M.S. brackets painted white including cutting holes and making good the same but excluding fittings.(A) Vitreous China:(ii) Flat Back washbasin 550 mm x v 400mm size. (i) In white colour.	Each		
495	Providing and fixing Kitchen sink with C.I. or M.S. brackets, painted white including cutting holes in walls and making good the same but excluding fittings. (C) Vitreous China Sink.(i) 600mm x 450mm x 150mm size	Each		
496	Providing and fixing C.P. brass waste for washbasin or sink. (A) 32mmdia.	Each		
497	Providing and fixing C.P. brass waste for washbasin or sink. (B) 40mm dia.	Each		
498	Providing and fixing M.I. fisher union for washbasin or sink. (A) 32mm dia.	Each		
499	Providing and fixing M.I. fisher union for washbasin or sink. (B) 40mm dia.	Each		
500	Providing and fixing 100mm sand cast iron grating for gully, floor or Nahni trap.	Each		
501	Providing and fixing C.P. brass shower rose with 15mm or 20mm inlet.(A) 100mm dia. Each	Each		
502	Providing and fixing 600mm x 450mm bevelled edge mirror of superior glass mounted on 6mm thick A.C. sheet or plywood sheet and fixing to wooden pluge with C.P. brass screws and washers.	Each		
503	Providing and fixing C.P. brass towel rail comlete with C.P. brass brackets fixed to wooden plugs with C.P. brass scews.(B) 600mm x 20mm size.	Each		
504	Providing and fixing 600mm x 120mm glass shelf with C.P. brass bracket and guard rail complete mixed to wooden plug with C.P. brass screws.	Each		
505	Providing and fixing toilet paper holder.(A) C.P. Brass	Each		
506	Providing and fixing screw down bib taps of following size.(A) Brass screw down bib tap polished bright. (i) 15mm dia.	Each		
507	Providing and fixing screw down bib taps of following size.(A) Brass screw down bib tap polished bright. (ii) 20mm dia.	Each		
508	Providing and fixing screw down bib taps of following size.(B) Brass chromium plated screws down Bib Tap. (i) 15mm dia.	Each		
509	Providing and fixing screw down bib taps of following size.(B) Brass chromium plated screws down Bib Tap. (ii) 20mm dia.	Each		

Item No.	Item of work	Unit	Rate	
			In figure	In words
510	Providing and fixing screw down bib taps of following size.(C) Gun metal screw down bib tap. (i) 15mm dia.	Each		
511	Providing and fixing screw down bib taps of following size.(C) Gun metal screw down bib tap. (ii) 20mm dia.	Each		
512	Providing and fixing pillar tap, capstan head, screw down high pressure with screws, shanks and back nuts. (i) 15mm dia.	Each		
513	Providing and fixing pillar tap, capstan head, screw down high pressure with screws, shanks and back nuts. (ii) 20mm dia.	Each		
514	Providing and fixing brass screw down stop tap.(A) 15mm dia.	Each		
515	Providing and fixing brass screw down stop tap.(B) 20mm dia.	Each		
516	Providing and fixing brass screw down stop tap.(C) 25mm dia.	Each		
517	Providing and fixing Gun metal check or non-return fullway wheel valve.(A) 15mm dia.	Each		
518	Providing and fixing Gun metal check or non-return fullway wheel valve.(B) 20mm dia.	Each		
519	Providing and fixing Gun metal check or non-return fullway wheel valve.(C) 25mm dia.	Each		
520	Providing and fixing Gun metal check or non-return fullway wheel valve.(D) 32mm dia.	Each		
521	Providing and fixing Gun metal check or non-return fullway wheel valve.(E) 40mm dia.	Each		
522	Providing and fixing chromium plated brass half trun flush cock of approved quality including fixing in pipe line etc. complete.(i) 20mm dia.	Each		
523	Providing and fixing chromium plated brass half trun flush cock of approved quality including fixing in pipe line etc. complete.(ii) 25mm dia.	Each		
524	Providing and fixing chromium plated brass half trun flush cock of approved quality including fixing in pipe line etc. complete.(iii) 32mm dia.	Each		
525	Providing and fixing Urinal or approved quality including connecting the Urinal with waste pipe , tap etc. complete.(A) White earthenware flat back or corner type size 430mm x 260mm x 350mm.	Each		
526	Providing and fixing Urinal of approved quality including connection with trap and with integral longitudinal flush pipe.(A) Squating plate pattern white earthenware 550mm x 300mm.	Each		
527	Providing and fixing Rubber plug for sink or wash basin.	Each		
528	Providing and fixing chromium plated, bottle trap with necessary couplings of approved quality for wash basin.	Each		
529	Providing and fixing ball cock of approved. quality as directed.(A) Copper Metal (i) 25mm dia.	Each		

Item No.	Item of work	Unit	Rate	
			In figure	In words
530	Providing and fixing ball cock of approved. quality as directed.(A) Copper Metal (ii) 50mm dia.	Each		
531	Providing and fixing ball cock of approved. quality as directed.(B) Abonite (i) 25mm dia.	Each		
532	Providing and fixing ball cock of approved. quality as directed.(B) Abonite (ii) 50mm dia.	Each		
533	Providing and fixing C.I. Manhole cover 0.60 M. x 0.45M. size having weight not less than 35Kg.	Each		
534	Providing and fixing G.I. Rain water spout of 50mm dia. and 30cm. length.	Each		
535	Providing and fixing concealed center point to wall ceiling & floor CPVC (SDR 13.5) PIPE having National Sanitation Foundation (NSF) seal for potable water of following dia. nominal bore tube fittings and clamps including making good the wall, ceiling and floor etc. complete.[A] 15 mm.	Rmt		
536	Providing and fixing concealed center point to wall ceiling & floor CPVC (SDR 13.5) PIPE having National Sanitation Foundation (NSF) seal for potable water of following dia. nominal bore tube fittings and clamps including making good the wall, ceiling and floor etc. complete. [B] 20 mm.	Rmt		
537	Providing and fixing concealed center point to wall ceiling & floor CPVC (SDR 13.5) PIPE having National Sanitation Foundation (NSF) seal for potable water of following dia. nominal bore tube fittings and clamps including making good the wall, ceiling and floor etc. complete. [C] 25 mm.	Rmt		
538	Providing and fixing concealed center point to wall ceiling & floor CPVC (SDR 13.5) PIPE having National Sanitation Foundation (NSF) seal for potable water of following dia. nominal bore tube fittings and clamps including making good the wall, ceiling and floor etc. complete. [D] 32mm.	Rmt		
539	Providing and fixing concealed center point to wall ceiling & floor CPVC (SDR 13.5) PIPE having National Sanitation Foundation (NSF) seal for potable water of following dia. nominal bore tube fittings and clamps including making good the wall, ceiling and floor etc. complete. [E] 40mm.	Rmt		
540	Providing and fixing concealed center point to wall ceiling & floor CPVC (SDR 13.5) PIPE having National Sanitation Foundation (NSF) seal for potable water of following dia. nominal bore tube fittings and clamps including making good the wall, ceiling and floor etc. complete. [F] 50mm.	Rmt		
541	Providing laying and jointing in true line and level 15mm dia. U.P.V.C. Pipe ( SCH- 40) for cold water including fittings make PRINCE / SUPREME / ASTRAL / FINOLEX or equivalent as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be cancelled as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.	Rmt		

Item No.	Item of work	Unit	Rate	
			In figure	In words
542	Providing laying and jointing in true line and level 25mm dia. U.P.V.C. Pipe ( SCH- 40) for cold water including fittings make PRINCE / SUPREME / ASTRAL / FINOLEX or equivalent as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be cancelled as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.	Rmt		
543	Providing laying and jointing in true line and level 32mm dia. U.P.V.C. Pipe ( SCH- 40) for cold water including fittings make PRINCE / SUPREME / ASTRAL / FINOLEX or equivalent as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be cancelled as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.	Rmt		
544	Providing laying and jointing in true line and level 40mm dia. U.P.V.C. Pipe ( SCH- 40) for cold water including fittings make PRINCE / SUPREME / ASTRAL / FINOLEX or equivalent as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be cancelled as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.	Rmt		
545	Providing laying and jointing in true line and level 50mm dia. U.P.V.C. Pipe ( SCH- 40) for cold water including fittings make PRINCE / SUPREME / ASTRAL / FINOLEX or equivalent as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be cancelled as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.	Rmt		
546	Providing, laying and jointing in true line and level 160 diametre U.P.V.C (Type B) conforming to IS 13592-1992 with one end plain and other end socketed with rubber ring, & fittings conforming to ISI 14735-1999 of approved make for drainage system pipe line, pipe shall be jointed with each other with rubber lubricant, pipe shall be fixed on wall using of PVC clamp of the size 160 mm diametre x 210 mm length x 196 mm heigh at every 2000 mm center to center or shall be concealed in walls as directed including necessary fittings such as bends, shoes etc. including testing of pipes and joints and jointed with adhesive solvent cement including cost of all materials.	Rmt		
547	Providing, laying and jointing in true line and level 110 diametre U.P.V.C (Type B) conforming to IS 13592-1992 with one end plain and other end socketed with rubber ring, & fittings conforming to ISI 14735-1999 of approved make for drainage system pipe line, pipe shall be jointed with each other with rubber lubricant, pipe shall be fixed on wall using of PVC clamp of the	Rmt		

Item No.	Item of work	Unit	Rate	
			In figure	In words
	size 110 mm diametre x 149 mm length x 145 mm heigh at every 2000 mm center to center or shall be concealed in walls as directed including necessary fittings such as bends, shoes etc. including testing of pipes and joints and jointed with adhesive solvent cement including cost of all materials.			
548	Providing and fixing PVC SWR Nahni trap IS 14735 for drain - 100 mm diameter with jali of the following nominal diameter of self cleansing design with C.I scread down or hinged grating including the cost of cutting and making good the walls.	each		
549	Providing and fixing PVC SWR Nahni trap IS 14735 for drain - 75 mm diameter with jali of the following nominal diameter of self cleansing design with C.I scread down or hinged grating including the cost of cutting and making good the walls.	each		
<b>R</b>	<b>DRAINAGE &amp; SEWERAGE ITEM</b>			
550	Providing and laying (to level or slopes) and jointing with stiff mixture of Cement Mortar in proportion 1:1 Selt glazed stoneware pipes including testing of pipes and joints complete.(A) 100mm dia.	Rmt		
551	Providing and laying (to level or slopes) and jointing with stiff mixture of Cement Mortar in proportion 1:1 Selt glazed stoneware pipes including testing of pipes and joints complete.(B) 150mm dia.	Rmt		
552	Providing and laying Cement concrete 1:5:10 (1-Cement : 5-Fine sand :10-Graded stone aggregate 40mm nominal size) bedding for stoneware pipes of following internal diameters with necessary formwork and curing complete.(A) 100 mm dia. (112 mm Ave.bed thickness)	Rmt		
553	Providing and laying Cement concrete 1:5:10 (1-Cement : 5-Fine sand :10-Graded stone aggregate 40mm nominal size) bedding for stoneware pipes of following internal diameters with necessary formwork and curing complete.(B) 150mm dia. (166mm Ave. bed thickness)	Rmt		
554	Providing and laying lime concrete 1:2:4 (1-Lime putty :2-Fine samd : 4-Graded brick aggregates 40mm nominal size) bedding for stoneware pipes of following internal diameters with necessary formwork and curing complete.(A) 100 mm dia. 300mm width (112 mm Ave.bed thickness)	Rmt		
555	Providing and laying lime concrete 1:2:4 (1-Lime putty :2-Fine samd : 4-Graded brick aggregates 40mm nominal size) bedding for stoneware pipes of following internal diameters with necessary formwork and curing complete.(B) 150mm dia. 450mm width (166mm Ave. bed thickness)	Rmt		
556	Extra over item 24.1 for providing salt Glazed stoneware fittings.(i) Bends of required degree (any redious) of following nominal diameters. (A) 100mm dia.	Each		
557	Extra over item 24.1 for providing salt Glazed stoneware fittings.(i) Bends of required degree (any redious) of following nominal diameters.(B) 150mm dia.	Each		

Item No.	Item of work	Unit	Rate	
			In figure	In words
558	Extra over item 24.1 for providing salt Glazed stoneware fittings.(ii) Taper bend of required degree of following internal diameters.(A) 100mm x 150mm	Each		
559	Extra over item 24.1 for providing salt Glazed stoneware fittings.(iii) Single Junction of required angle of following internal diameters. (A) 100mm.	Each		
560	Extra over item 24.1 for providing salt Glazed stoneware fittings.(iii) Single Junction of required angle of following internal diameters. (B) 150mm.	Each		
561	Providing and laying jointing and pointing with stiff mixture of Cement Mortar 1:1 (1-Cement : 1-Fine sand) 150 mm internal diameter salt glazed stoneware half round channels.	Rmt		
562	Providing and fixing S.W. gully trap with C.I. grating brick masonry chamber and water tight C.I. cover with frame of 300mm x 300mm size (inside) with standard weight.(i) Square mouth traps. (A) 100mm x 100mm size P type.	Each		
563	Providing and fixing S.W. gully trap with C.I. grating brick masonry chamber and water tight C.I. cover with frame of 300mm x 300mm size (inside) with standard weight.(i) Square mouth traps.(B) 150mm x 100mm size P or R type	Each		
564	Providing laying (to level or slopes) and jointing reinforced concrete Light duty non-pressure pipes I.S. class NP2 of the following internal diameter with collars and butt ends prepared for collar joints including testing of joints complete.(B) 150mm	Rmt		
565	Providing laying (to level or slopes) and jointing reinforced concrete Light duty non-pressure pipes I.S. class NP2 of the following internal diameter with collars and butt ends prepared for collar joints including testing of joints complete.(C) 250mm	Rmt		
566	Providing laying (to level or slopes) and jointing reinforced concrete Light duty non-pressure pipes I.S. class NP2 of the following internal diameter with collars and butt ends prepared for collar joints including testing of joints complete.(D) 300mm	Rmt		
567	Providing laying (to level or slopes) and jointing reinforced concrete Light duty non-pressure pipes I.S. class NP2 of the following internal diameter with collars and butt ends prepared for collar joints including testing of joints complete.(E) 450mm	Rmt		
568	Providing laying (to level or slopes) and jointing reinforced concrete Light duty non-pressure pipes I.S. class NP2 of the following internal diameter with collars and butt ends prepared for collar joints including testing of joints complete.(F) 500mm	Rmt		
569	Providing laying (to level or slopes) and jointing reinforced concrete Light duty non-pressure pipes I.S. class NP2 of the following internal diameter with collars and butt ends prepared for collar joints including testing of joints complete.(G) 600mm	Rmt		
570	Providing laying (to level or slopes) and jointing reinforced concrete Light duty non-pressure pipes I.S. class NP2 of the following internal diameter with	Rmt		



Item No.	Item of work	Unit	Rate	
			In figure	In words
	collars and butt ends prepared for collar joints including testing of joints complete.(H) 900mm			
571	Providing laying (to level or slopes) and jointing reinforced concrete Light duty non-pressure pipes I.S. class NP2 of the following internal diameter with collars and butt ends prepared for collar joints including testing of joints complete.(K) 1000mm	Rmt		
572	Providing laying (to level or slopes) and jointing reinforced concrete Light duty non-pressure pipes I.S. class NP2 of the following internal diameter with collars and butt ends prepared for collar joints including testing of joints complete.(M) 1200mm	Rmt		
573	Constructing Manhole with R.C.C. top slab in 1:2:4 mix (1-cement :2-coarse sand : 4-graded stone aggregate 20mm nominal size) foundation concrete 1:3:6 mix (1-cement : 3- coarse sand :6-Brick bats 40 + 50mm size) inside plastering 15mm thick with Cement Mortar 1:5 (1-Cement : 5-coarse sand) finished with a floating coat of neat cement and making channels in cement concrete 1:2:4 mix (1-Cement :2-Coarse sand :4-stone aggregate 20mm nominal size) finished smooth complete including curing and festing (i) Inside size 900mm x 1200mm and 1.5M. deep including C.I. cover with frame size 560mm diameter total weight of cover and frame to be not less than 128 kgs. (Wt. of cover 64 Kg. and Wt. of frame 64 Kg.)(A) With 230mm thick walls of brick msonry using brick having crushing strength not less than 35Kg. / Sq.cm. in Cement Mortar 1:5 (1- Cement: 5-Coarse sand) (1) A type depth 0.90 Metre for 150mm diameter sewer.	Each		
574	Constructing Manhole with R.C.C. top slab in 1:2:4 mix (1-cement :2-coarse sand : 4-graded stone aggregate 20mm nominal size) foundation concrete 1:3:6 mix (1-cement : 3- coarse sand :6-Brick bats 40 + 50mm size) inside plastering 15mm thick with Cement Mortar 1:5 (1-Cement : 5-coarse sand) finished with a floating coat of neat cement and making channels in cement concrete 1:2:4 mix (1-Cement :2-Coarse sand :4-stone aggregate 20mm nominal size) finished smooth complete including curing and festing (i) Inside size 900mm x 1200mm and 1.5M. deep including C.I. cover with frame size 560mm diameter total weight of cover and frame to be not less than 128 kgs. (Wt. of cover 64 Kg. and Wt. of frame 64 Kg.)(A) With 230mm thick walls of brick msonry using brick having crushing strength not less than 35Kg. / Sq.cm. in Cement Mortar 1:5 (1- Cement: 5-Coarse sand) (2) B type depth 1.50 Metre for 150mm diameter sewer.	Each		
575	Constructing Manhole with R.C.C. top slab in 1:2:4 mix (1-cement :2-coarse sand : 4-graded stone aggregate 20mm nominal size) foundation concrete 1:3:6 mix (1-cement : 3- coarse sand :6-Brick bats 40 + 50mm size) inside plastering 15mm thick with Cement Mortar 1:5 (1-Cement : 5-coarse sand) finished with a floating coat of neat cement and making channels in cement concrete 1:2:4 mix (1-Cement :2-Coarse sand :4-stone aggregate 20mm nominal size) finished smooth complete including	Each		

Item No.	Item of work	Unit	Rate	
			In figure	In words
	curing and festing (i) Inside size 900mm x 1200mm and 1.5M. deep including C.I. cover with frame size 560mm diameter total weight of cover and frame to be not less than 128 kgs. (Wt. of cover 64 Kg. and Wt. of frame 64 Kg.)(A) With 230mm thick walls of brick msonry using brick having crushing strength not less than 35Kg. / Sq.cm. in Cement Mortar 1:5 (1- Cement: 5-Coarse sand) (3) C type depth 2.25 Metre for 150mm diameter sewer.			
576	(A) With 230mm thick walls of brick msonry using brick having crushing strength not less than 35Kg. / Sq.cm. in Cement Mortar 1:5 (1- Cement: 5-Coarse sand) (4) D type depth 3.15 Metre for 150mm diameter sewer.	Each		
577	(I) Extra rate for constructing B.B. masonry for every additional depth of 0.1M. or Part thereof over item No.24.27 (I) for depth from 0.9M to 1.5M.	Each		
578	(II) Extra rate for constructing B.B. masonry for every additional depth of 0.1M. GR Part thereof over item No.24.27 (I) for depth from 1.50M. to 2.25M.	Each		
579	(III) Extra rate for constructing B.B. masonry for every additional depth of 0.1M. or Part thereof over item No. 24.27 (III) for depth from 2.25M to 3.15M.	Each		
580	(IV) Extra rate for constructing B.B. masonry for every additional depth of 0.1M. or Part thereof over item No. 24.27 (IV) for depth above 3.15M.	Each		
581	Providing and fixing cast iron steps of size 500mm x 150mm x 22.5mm and painting with two coats of Anti-corrosive paint etc. complete.	Each		
582	Supplying and fixing C.I. cover 300mm x 300mm without frame for Gulley trap (Standard pattern) te weight of cover to be not less 4.53 Kg.)	Each		
583	Providing and erecting at the site of work steel ventilating column of 150m internal diameter and 12.20 Metre High from G.L. to bottom of top grill including C.I. grill and base plate bolts and nuts etc. and excavation in foundation of size 120cm. x 120vc. x 165cm. and filling the pit with first layer of cement concrete 1:3:6 mix (1-cement :3-coarse sand :6-graded stone aggregate 20mm nominal size) of 120cm. x 120cm. x 90cm. and remaining pit with B.B.C. 1:3:6 mix (1-cement :3-coarse sand:6-Brickbats 40+50mm size) and providing fillet in Cement concrete 1:2:4 mix (1-cement :2- coarse sand :4-graded stone aggregate 20mm. nominal size) at G.L. and 3 coats of silver paint etc. complete.	Each		
584	Constructing Brick masonry road gully chamber 500mm x 450mm x 600mm including 500mm x 450mm C.I. horizontal grating wih frame complete.	Each		
585	Constructing Brick masonry road gully chamber 450mm x 450mm x 775mm with vertical gating complete.	Each		
586	Constructing brick masonry road gully chamber 1100mm x 775mm including 500mm x 450mm (C.I. horizontal grating with frame and vertical grating complete.)	Each		

Item No.	Item of work	Unit	Rate	
			In figure	In words
587	Constructing brick masonry chamber for underground C.I. Inspection chamber and bends with bricks having crushing strength not less than 35Kg. Cm <sup>2</sup> in C.M. 1:5 C.I. cover with frame (Light duty) 455mm x 610mm internal dimensions total weight of cover with frame to be not less than 38Kg. (Wt. of cover 23 Kg.) and Wt. of frame 15Kg. ) (R.C.C. top slabe with 1:2:4 mix (1-cement :2- coarse sand :4-graded stone aggregate 20mm size) foundation concrete 1:5:10 inside plaster 15mm thick with cement mortar 1:3 finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete.(i) Inside dimensions 455mmx 610mm and 450mm deep for single pipe line.	Each		
588	Constructing brick masonry chamber for underground C.I. Inspection chamber and bends with bricks having crushing strength not less than 35Kg. Cm <sup>2</sup> in C.M. 1:5 C.I. cover with frame (Light duty) 455mm x 610mm internal dimensions total weight of cover with frame to be not less than 38Kg. (Wt. of cover 23 Kg.) and Wt. of frame 15Kg. ) (R.C.C. top slabe with 1:2:4 mix (1-cement :2- coarse sand :4-graded stone aggregate 20mm size) foundation concrete 1:5:10 inside plaster 15mm thick with cement mortar 1:3 finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete.(ii) Inside dimensions 500mm x 700 mm and 450mm deep for pipe line with one or two inlets.	Each		
589	Constructing brick masonry chamber for underground C.I. Inspection chamber and bends with bricks having crushing strength not less than 35Kg. Cm <sup>2</sup> in C.M. 1:5 C.I. cover with frame (Light duty) 455mm x 610mm internal dimensions total weight of cover with frame to be not less than 38Kg. (Wt. of cover 23 Kg.) and Wt. of frame 15Kg. ) (R.C.C. top slabe with 1:2:4 mix (1-cement :2- coarse sand :4-graded stone aggregate 20mm size) foundation concrete 1:5:10 inside plaster 15mm thick with cement mortar 1:3 finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete.(iii) Inside dimensions 600mm x mm and 450mm deep for pipe lines with three or more inlets.	Each		
590	Extra over items 24.44 for every additional depth of 0.1M. of part thereof beyond 450mm depth for Brick masonry chamber.(i) for 455mm x 610mm size.	Each		
591	Extra over items 24.44 for every additional depth of 0.1M. of part thereof beyond 450mm depth for Brick masonry chamber.(ii) for 500mm x 700mm size.	Each		
592	Extra over items 24.44 for every additional depth of 0.1M. of part thereof beyond 450mm depth for Brick masonry chamber.(iii) for 600mm x 850mm size.	Each		
593	(A) Providing sock pit of 2.00 Cu.M. Volume including excavating and filling brickbats with dry masonry work at top for 45cm. height including covering the top with stone including providing vatas in C.M. 1:3 with finishing curing etc. complete as directed.	Each		
594	(B) Providing sock pit of 5.00 Cu.M. Volume including excavating and filling brickbats with dry masonry work	Each		

Item No.	Item of work	Unit	Rate	
			In figure	In words
	at top for 45cm. height including covering the top with stone including providing vatas in C.M. 1:3 with finishing curing etc. complete as directed.			
<b>S</b>	<b>ADDITIONAL ITEMS</b>			
595	Providing and fixing single layer waterproof gypsum board 8 mm thick of the make Newgood Group Co. Ltd. or equivalent & Newgood Group Co. Ltd. company sections using waterproof board of size 1220 mm x 1830 mm x 8.0 mm suspended by G.I suapender of size 25 mm x 3 mm with intermediate channel of size 18 mm x 40 mm x 0.80 mm at 1220 mm center to center ceiling section of size 40 mm x 35 mm x 0.55 mm at 457 mm center to center and perimetre chanel A of size 20 mm x 27 mm x 30 mm x 0.50 mm at edges & drops including paper tap sand soffit cleat, anchor fastener, scoch bolt connecting cleat joining compound top coat on ceiling including making necessary opening for light fitting, diffuser etc. complete as per detail drawing as directed.	Sq.mt.		
<b>T</b>	<b>NON SOR ITEMS</b>			
596	Providing and laying ordinary cement concrete 1:2:4 (1 Cement :2 Coarse sand :4 graded stone aggr. 20mm nominal size) and curing etc. complete including the cost of formwork but excluding the cost of reinforcement for cornice for all heights.	Cum		
597	Providing M-200 controlled cement concrete road using Trimix vaccum dewatering system with mixing Conplast P-211 (water reduction concrete admixture) @ 100 ML per bag of cement with mixing of Recon 3S fibers (reliance product) at 125 gms per bag of cement with providing and fixing & removing of "C" channel having 75 x 75 mm as per required level slope and thickness of concrete and leveling and finishing the concrete using surface vibrator, power floater and trowel light brooming on as directed including making expansion joint of size 20 x 200 mm & filling the expansion joint using Colpar 200 as per manufactures specitions by cutting of joint using concrete cutter machine etc. complete.	Cum		
598	Providing and laying ordinary cement concrete 1:2:4 (1 Cement :2 Coarse sand :4 graded stone aggr. 20mm nominal size) with curing etc. complete including the cost of form work in coping and plinth protection.	Cum		
599	Providing and laying cement concrete 1:1:2 (1 cement : 1 coarse sand : 2 graded stone aggregate 20mm nominal size) and curing complete including cost of formwork & excluding cost of reinforcement for reinforcement concrete work in (A) Foundation, footing, base of column & mass concrete.	Cum		
600	Providing and laying cement concrete 1:1:2 (1 cement : 1 coarse sand : 2 graded stone aggregate 20mm nominal size) and curing complete including cost of formwork & excluding cost of reinforcement for reinforcement concrete work in column, pillars, posts, strats upto floor two level.	Cum		

Item No.	Item of work	Unit	Rate	
			In figure	In words
601	Providing and laying cement concrete 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregates 20 mm nominal size) and curing complete including cost of form work and excluding cost of reinforcement for reinforced cement concrete work in Plinth Beam	Cum		
602	Providing and laying cement concrete 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregates 20 mm nominal size) and curing complete including cost of form work and excluding cost of reinforcement for reinforced cement concrete work in RCC wall upto floor two level.	Cum		
603	Providing and laying cement concrete 1:1:2 and curing complete excluding the cost of form work and reinforcement for reinforced concrete work in (a) Foundations, footings bases of columns and the like and mass concrete & pile work	Cum		
604	Providing and laying cement concrete 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregates 20 mm nominal size) and curing complete including cost of form work and excluding cost of reinforcement for reinforced cement concrete work in Column	Cum		
605	Providing and laying cement concrete 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregates 20 mm nominal size) and curing complete including cost of form work and excluding cost of reinforcement for reinforced cement concrete work in Beam	Cum		
606	Providing and laying cement concrete 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregates 20 mm nominal size) and curing complete including cost of form work and excluding cost of reinforcement for reinforced cement concrete work in Slab	Cum		
607	Providing and fixing cup board with teakwood frame size 75mm x 25mm with 25mm thick termite proof commercial plywood ISI mark quality including the cost of 1mm thick lamination sheet on outer side & 0.80mm thick lamination sheet on inside fixtures and fastenig and locking arrangement of approved quality including polishing to exposed surface etc. complete as per detailed drawing and instruction of Engineer in charge.	Sqm		
608	Providing and fixng decorative ceiling using 6mm E-board self designing pattern of approved design with framing grid 60mm x 60mm of Alluminium plain pipe of 40mm x 25mm x 1.00mm suspended ceiling with Runners in lengthwise and widthwise with alluminium angle screw and making grooves in required pattern including anchoring and supported to purlins soffits as per required of cement and applying 2 (two) coats plastic emulsion paint to give and even shade of approved brand & decorative ceiling lights with all necessary matrials and labour etc. complete.	Sqm		
609	Providing and fixing single shutter alluminium anodized openable window of frame 63mm x 25mm x 1.00mm size having top & vertical shutters of size 38 x 18 x 1.50mm & bottom shutter of size 50 x 18 x 1.50mm including using glazing patta, glazing clip, rubber gasket, locking arrangement, handles with 5mm thick plain glass etc. complete.	Sqm		

Item No.	Item of work	Unit	Rate	
			In figure	In words
610	Renovation for existing 35mm thick teak wood paneled shutter using 6mm thick commercial plywood on both side and fixing approved 1mm thick laminated sheet on both side with all labour and material including fixtures and fastening of best quality etc. complete.	Sqm		
611	Providing and fixing anodised alluminium partition for cabin with 63.5mm x 38mm x 1.5mm (door shutter should be paid seperately) and fixing 9mm thick prelamined Nova board & 5mm thick modi guard plain glass includng providing and fixing glazing clip, Hathi rubber including cost of labour etc. complete as directed.	Sqm		
612	Providing and fixing only alluminium door shutters in new partition with shutter frame, vertical & top members @ size 47.62mm x 44.45mm x 1.38mm & middle member @ size 49.91mm x 44.45mm x 1.24mm and bottom members @ size 114.30mm x 44.45mm x 1.20mm having standard weight with 5mm thick selected quality (modi guard) plain glass and 9mm thick prelamined Nova board (Bison panel) with necessary door closer, door lock and fixtures & fastenings including rubber bedding clips etc. complete as directed.	Sqm		
613	Providing and fixing openable alluminium anodized window shutter of size 38mm x 18mm x 1.50mm including using S.S. hinges, screws, stopper and pavan kadi with 5mm thick plain glass, rubber gasket locking arrangement and rollet etc. complete.	Sqm		
614	Providing & fixing in position standard extruded Aluminum Four track (20 mm series) sliding shutters with colour anodized section having Outer Frame 127 x 38.10 x 1.35mm (of Jindal section No.2443 @ wt. 1.384 Kg/mt) horizontal member size 122.20 x 31.75 x 1.10 mm (of Jindal Section no:8787,@ Wt. 1.205 Kg/mt), vertical member of size 122.20mm x 31.75mm x 1.50mm (of Jindal Section no:8935,@ Wt. 1.398 Kg/mt) with sliding shutters of horizontal member size 40mm x 18mm x 1.29mm (of Jindal Section no:8949 @ wt.of 0.456Kg/mt),vertical member of size 40mm x 18mm x 1.29mm (of Jindal Section no:8947 @ wt.of 0.456Kg/mt/Section 8948,@ Wt. 0.457 Kg/mt) with 5 mm thick transparent bronze colour tinted float glass with powder coated aluminum fittings and fixtures and transparent silicon sealant glass fixing to frame as per details etc complete for window and Providing and fixing 30mm wirenet of Stainless Steel wire of IS Gauge designation 85-G with wire of 0-56 mm diameter including all required materials labours and equipments as per detailed drwg. as directed.	Sqm		
615	Providing & fixing in position standard extruded Aluminum Three track (20 mm series) sliding shutters with colour anodized section having Outer Frame 95 x 24 x 1.17mm (of Jindal Section no:2459 @ wt.of 0.738 Kg/mt), horizontal member size 92mm x 31.75mm x 1.30mm (of Jindal Section no:8688,@ Wt.1.07 Kg/mt), vertical member of size 92mm x 31.75mm x 1.50mm (of Jindal Section no:8933,@ Wt. 1.06 Kg/mt) with sliding shutters of horizontal member size 40 mmx18mm x1.29mm (of Jindal Section no:8947@	Sqm		

Item No.	Item of work	Unit	Rate	
			In figure	In words
	wt.of 0.456 Kg/mt), vertical member of size 40mm x 18mm x 1.29 mm (of Jindal Section no:8949 @ wt.of 0.456Kg/mt/ with 5 mm thick transparent bronze colour tinted float glass with powder coated aluminum fittings and fixtures and transparent silicon sealant glass fixing to frame as per details etc. and Providing and fixing 30mm wirenet of Stainless Steel wire of IS Gauge designation 85-G with wire of 0-56 mm diameter including all required materials labours and equipments as per detailed drwg. as directed.			
616	Providing & fixing in position standard extruded Aluminum Four track (20 mm series) sliding shutters with colour anodized section having horizontal member size 122.20 x 31.75 x 1.10 mm (of Jindal Section no:8787,@ Wt. 1.205 Kg/mt), vertical member of size 122.20mm x 31.75mm x 1.50mm (of Jindal Section no:8935,@ Wt. 1.398 Kg/mt) with sliding shutters of horizontal member size 40mm x 18mm x 1.29mm (of Jindal Section no:8949 @ wt.of 0.456Kg/mt),vertical member of size 40mm x 18mm x 1.29mm (of Jindal Section no:8947 @ wt.of 0.456Kg/mt/Section 8948,@ Wt. 0.457 Kg/mt) with 5 mm thick transparent bronze colour tinted float glass with powder coated aluminum fittings and fixtures and transparent silicon sealant glass fixing to frame as per details etc complete for window and Providing and fixing 30mm wirenet of Stainless Steel wire of IS Gauge designation 85-G with wire of 0-56 mm diameter including all required materials labours and equipments as per detailed drwg. as directed.	Sqm		
617	Providing & fixing in position standard extruded Aluminum Three track (20 mm series) sliding shutters with colour anodized section having horizontal member size 92mm x 31.75mm x 1.30mm (of Jindal Section no:8688,@ Wt.1.07 Kg/mt), vertical member of size 92mm x 31.75mm x 1.50mm (of Jindal Section no:8933,@ Wt. 1.06 Kg/mt) with sliding shutters of horizontal member size 40 mmx18mm x1.29mm (of Jindal Section no:8947@ wt.of 0.456 Kg/mt), vertical member of size 40mm x 18mm x 1.29 mm (of Jindal Section no:8949 @ wt.of 0.456Kg/mt/ with 5 mm thick transparent bronze colour tinted float glass with powder coated aluminum fittings and fixtures and transparent silicon sealant glass fixing to frame as per details etc. and Providing and fixing 30mm wirenet of Stainless Steel wire of IS Gauge designation 85-G with wire of 0-56 mm diameter including all required materials labours and equipments as per detailed drwg. as directed.	Sqm		
618	Providing and fixing extruded aluminum Four track window having extruded aluminum Colour anodized section frame main horizontal member size 122.20 x 31.75 x 1.10 mm (of Jindal Section no:8787,@ Wt. 1.205 Kg/mt), vertical member of size 122.20mm x 31.75mm x 1.50mm (of Jindal Section no:8935,@ Wt. 1.398 Kg/mt) with sliding shutters of horizontal member size 40mm x 18mm x 1.29mm (of Jindal Section no:8949 @ wt.of 0.456Kg/mt),vertical member of size 40mm x 18mm x 1.29mm (of Jindal Section no:8947 @ wt.of 0.456Kg/mt/Section 8948,@ Wt. 0.457 Kg/mt) with 5 mm thick transparent bronze	Sqm		

Item No.	Item of work	Unit	Rate	
			In figure	In words
	colour tinted float glass with powder coated aluminum fittings and fixtures and transparent silicon sealant glass fixing to frame as per details etc complete for window.			
619	Providing and fixing window having extruded aluminum Three track Colour anodized section frame main horizontal member size 92mm x 31.75mm x 1.30mm (of Jindal Section no:8688, @ Wt.1.07 Kg/mt), vertical member of size 92mm x 31.75mm x 1.50mm (of Jindal Section no:8933, @ Wt. 1.06 Kg/mt) with sliding shutters of horizontal member size 40 mmx18mm x1.29mm (of Jindal Section no:8947 @ wt.of 0.456 Kg/mt), vertical member of size 40mm x 18mm x 1.29 mm (of Jindal Section no:8949 @ wt.of 0.456Kg/mt/ with 5 mm thick transparent bronze colour tinted float glass with powder coated aluminum fittings and fixtures and transparent silicon sealant glass fixing to frame as per details etc.	Sqm		
620	Providing and fixing window having extruded aluminum Two track Colour anodized section frame main horizontal two track member size 61.85 mm x 31.75 mm x 1.20mm (of Jindal Section no: 8687 @ wt.of 0.695 Kg/mt), vertical member of size 61.85 mm x 31.75mm x 1.30 mm (of Jindal Section no:8758 @ wt.of 0.0.659 Kg/mt) with sliding shutters of horizontal member size 40mm x 18mm x 1.29mm (of Jindal Section no:8949 @ wt.of 0.456Kg/mt), vertical member of size 40mm x 18mm x 1.29mm (of Jindal Section no:8947 @ wt.of 0.456Kg/mt/ Section 8948, @ Wt. 0.457 Kg/mt) with 5 mm thick transparent bronze colour tinted float glass with powder coated aluminum fittings and fixtures and transparent silicon sealant glass fixing to frame as per details etc complete for window.	Sqm		
621	Providing and fixing colour anodized alluminium blade strip frame for ventilation with 5 mm thick frosted glass louvers as details etc complete for Ventilation	Sqm		
622	Providing and fixing MS iron compound gate including using the frame of G.I. pipe 40mm dia (Medium grade) and using 12mm square bar at 7.50 cms c/c including painting two coats with one coat of priming coat including fixture and fastening (i.e. aldrop, Narmada Khunta, Long Stopper etc.) welding charges and fixing etc. complete.	Sqm		
623	Providing and making M.S. Door frame of size 40mm x 40mm x 5mm & shutter size with 30mm x 30mm x 5mm including 1.80mm thick 16 guage M.S. Plate with necessary welding, cutting, fixing, holdfast & oil paint etc. complete.	Sqm		
624	Providing FRP sheets roofing (1.5mm thick) fixed with galvanised iron "J" or "L" hooks bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers, filled with white lead complete excluding the cost of purlins rafters and trusses (1) 1.50 mm thick sheet.	Sqm		
625	Providing and laying 1.20 mt. wide plinth protection with excavator for foundation up to 0.25 mt depth and 0.35 mt. width and C.C. 1:5:10 brick work in C.M. 1:6 and finished wall with 10mm thicks cement plaster in C.M. 1:4 to brick masonry including chequered tiles flooring, sand filling etc. complete as directed.	Rmt		



Item No.	Item of work	Unit	Rate	
			In figure	In words
626	Providing and laying water proofing treatment on terrace including cleaning the surface by wire brush as directed including applying neat cement slurry @ 2.75 Kg/Sq.smt. mixed with water proofing compound after cleaning the surface, laying cement concrete using brickbats 25 to 100mm size well immersed in water with 50% of cement mortar 1:5 (1 cement :5 coarse sand) mixed with water proofing compound over 20mm thick layers of cement mortar 1:5 (1 cement :5 sand) to required slope including rounding of junctions of walls and slabs and after two days of proper curing, applying second coat of cement slurry finishing the surface with 20mm thick cement mortar 1:4 and china mosaic tiles and finally finishing the surface with white cement slurry and after finishing the whole terrace shall be flooded with water for a period of two weeks.	Sqm		
627	Providing and laying water proofing treatment by conventional method including cleaning the slab surface by wire brush as directed including providing first layer of C.M. 1:4 of 40 mm thickness mixed with water proofing compound at rate prescribed by manufacturer, including putting of brick bats of average thickness 40 mm Well immersed in water laid uniformly on first layer of mortar including applying cement slurry @ rate of 0.08 bag/sqm. on fixed layer of brick bats including maintaining necessary slope, in second layer 40 mm thick C.M 1:4 mixed with water proofing compound as directed, including finishing smooth with cement slurry as directed complete.	Sqm		
628	Providing and fixing polished 18mm thick green marble stone with flat edge polished of approved quality cladding on sill and around the doors/ windows/ ventilation with offset 20mm thick cement plaster CM (1:4) and fixing with cement slurry & adhesive including moulding of exposed edges as directed by engineer-in-charge etc. complete	Sqm		
629	Providing and laying cupboard/ kitchen platform shutter by using 25mm x 37mm teakwood frame, 25mm thick approved quality commercial plywood for shutter with 19mm x 3mm teakwood bidden patting, one side 1mm thick good quality laminated sheet and other side 0.80mm laminated sheet work including necessary paint & fixtures and fastenings magnet including all material and labour etc. complete as directed.	Sqm		
630	Providing and laying 18mm thick granite (Black) top platform (0.75mt. height) with sandwich type polished kotah stone as vertical member including polished 25mm thick kotah stone bottom and shelves in cement mortar 1:2 (1 cement :2 sand) including edge chamfers polishing cutting and labour & polishing over edges etc. complete.	Sqm		
631	Providing and laying machine cut free edges machine polished blue kota stone finished treads & riser in single pieces on a bed of 20mm (average) thick base of cement mortar 1:6 (1 cement :6 coarse sand) or L.M. 1:1.5 laid over and jointed with grey cement slurry including rubbing and polishing etc. complete	Sqm		

Item No.	Item of work	Unit	Rate	
			In figure	In words
632	Providing 20mm thick water proofing cement plaster in single coat on rough side of single or half brick walls for interior plastering upto floor two level and finished even and smooth in (1) cement mortar 1:3 (1 cement :3 sand) including finishing with a floating coat of neat cement slurry with adding water proofing materials like P.D. proof as equivalent.	Sqm		
633	Providing and laying stone crete plaster outside for all floor to the brick or concrete surface consisting of basecoat of cement plaster 20mm thick in cm 1:3 (1 cement : 3 sand) in rough finish and top coat of average thickness of 10 mm in white cement & gray cement and marble powder mix in proportion of i.e. equal proportion and mix dolomite pure white or colour chips of grade no to required by volume and pigments mixed as specified plaster shall be chiseled as directed with drip mould pattern groves as per approved pattern including scaffolding curing etc complete	Sqm		
634	Providing and fixing marble stone shelf in walls including making gishi on wall and fixing it with cement mortar 1:4 including all necessary and labour etc. complete	Sqm		
635	Providing and fixing green marble stone partition for urinal including making gishi on wall and fixing it with cement mortar 1:4 including all necessary and labour etc. complete.	Sqm		
636	Applying priming or base coat over new steel and other metal surface after over and including preparing the surface by thoroughly cleaning oil, grease dirt and other foreign matter and scoured with brushes fine steel wool, scrapers and sand paper including painting two coats of anti corrosive resistance paint on new steel and other metal surface brushing to give an even shade including cleaning the surface of lall dirt, dust and other foreign matters.	Sqm		
637	Providing and making 25mm thick polished kotah stone dedo partition and Abhrai including making gishi and wall and fixing it with cement mortar jointed with grey cement slurry including rubbing and polishing etc. complete.	Sqm		
638	Providing and laying water proofing treatment on terrace slab [a] applying one coat of zycosil in distilled water in proportion 1:10 using paint brush or roller or spray equipment [b] after two or three days of ezycosil treatment apply diluted zycofil in ration 1:1 on the dry surface by using a paint brush [c] after finishing the whole treatment terrace shall be flooded with water for the period of two weeks or as directed by Engineer - in - charge.	Sqm		
639	Providing and fixing stainless steel sink 1.00mm thick of size 460mm x 610mm 200mm with C.I. or M.S. bracket including fixing in wall of made in good as directed including providing & fixing C.P. brass waste 32mm dia M.I. fisher union 32mm dia piller tap capstan heal screw down high pressure with screws, shanles and back nuts of 50mm dia including PVC waste pipe and plastic connection etc. complete.	No		

Item No.	Item of work	Unit	Rate	
			In figure	In words
640	Providing and fixing 50 mm dia. gun metal check or non return full way wheel valve etc. complete	No		
641	Providing and fixing 80 mm dia. gun metal check or non return full way wheel valve etc. complete.	No		
642	Providing and fixing 110mm dia. flange sluice valve including Tail Piece, Nut bolts and all necessary materials & labor etc. complete.	No		
643	Providing and fixing 12.5 litres low level flushing cistern with ISI Mark PVC flush tank including fittings such as connection pipe with 15mm nominal size PVC ball valve with polythelene float push button type union and coupling for connection with inlet, outlet and overflow pipe 32mm dia. making good the same connecting the flush bend with cistern and closed etc. complete (A) PVC forthem (i) In required colour.	No		
644	Providing and fixng curtain using Cotton/ nylon/ semi nylon/ valvet/ crush cloth (Price Rs.175.00 per Meter of 1.20 mt. width and backing cloth of Rs.75.00/Rmt.) including necessary hanging attachments like hooks/ rings, 20mm SS rod/ alluminium channel/ Socket on rod ends/ middle supporting sockets etc. complete (opening area shall be measured and paid)	Sqm		
645	Repairing and raising existing brick masonry chamber 0.60 x 0.60 mt. inside dimensions with bricks having crushing stength not less than 35 kg/m <sup>2</sup> in C.M. 1:5 heavy duty perforated RCC precast cover 1:2:4 mix (1 cement :2 coarse sand :4 graded stone aggregate 20mm nominal size) inside plaster 15mm thick with C.M. 1:3 with a floating coat of neat cement slurry etc. including dismantalling demolition brick work, RCC work if necessary with all labor & material etc. as directed.	No		
646	Repairing and raising existing brick masonry chamber 0.60 x 0.45 mt. inside dimensions with bricks having crushing stength not less than 35 kg/m <sup>2</sup> in C.M. 1:5 heavy duty perforated RCC percast cover 1:2:4 mix (1 cement :2 coarse sand :4 graded stone aggregate 20mm nominal size) inside plaster 15mm thick with C.M. 1:3 with a floating coat of neat cement slurry etc. including dismantalling demolition brick work, RCC work if necessary with all labor & material etc. as directed.	No		
647	Constructing brick masonry chamber for underground C.I. Inspection chamber and bends with briocks having crushing strength not less than 35Kg./ Cm <sup>2</sup> in C.M. 1:5 with heavy duty pre-cast R.C.C. frame size 700 x 700 x 125mm with cover size 600 x 600 x 70mm dimensions, R.C.C. top slabe with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm size) foundation concrete 1:5:10 inside plaster 15mm thick with cement mortar 1:3 finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete (RCC cover with frame GFRCE brand name) (Chamber size 500 x 700 x 750mm deep)	No		
648	Repairing and raising existing storm water chamber (1.25 x 0.90 mt. inside dimension) including providing 10cm thick C.C. 1:2:4 R.C.C. slab including raising	No		

Item No.	Item of work	Unit	Rate	
			In figure	In words
	and repairing to storm water brick masonry chamber with bricks including demolition of disturb masonry with re-construction and raising chamber in C.M. 1:5 including providing plastering, RCC top slab with heavy duty pre-cast R.C.C. perforated cover with frame with all labor & material etc. as directed.			
649	Providing and fixing pre-cast RCC solid cover with frame size of cover 600 x 600 x 60mm and size of 700 x 700 x 25mm including required reinforcement including fixing on site as directed etc. complete. (GFRCE brand name).	No		
650	Repairing the existing EZ-7 section fully glazed window including fixing 4mm glass, new handle, pavan kadi, hook & eye, oil paint including remaining & refixing, welding, riveting nut bolting etc. as directed.	Sqm		
651	Providing and fixing pre-cast RCC solid cover with frame size of cover 600 x 450 x 70mm including required reinforcement including fixing on site as directed etc. complete.	No		
652	Providing and fixing pre-cast RCC perforated/ solid cover with frame size of cover 300 x 300 x 70mm including required reinforcement including fixing on site as directed etc. complete.	No		
653	Providing and fixing pre-cast RCC perforated/ solid cover with frame size of cover 300 x 450 x 70mm including required reinforcement including fixing on site as directed etc. complete.	No		
654	Supplying teakwood of best quality as per size given by engineer-in-charge.	Cum		
655	Repairing doors, windows & ventilator shutters (panalled/ flush/ partly panalled & partly glazed) including removing shutter, necessary replacement of hinges, megnet, stoppers, handles, aldrop, tadi as required including one coat of primer as directed etc. complete including replacement of broken galsses etc. complete	Sqm		
656	Providing and fixing 90 cm high Stainless Steel railing made form anticorisive 304 grade SS pipe of 50mm dia. (16 guage) as hand rail with SS 304 grade baluster of 32mm dia. (16 guage) as percial support fixed in RCC slab at 1.2 mt. C/C including three horizontal SS pipe of 16mm dia. (16 guage) at equal distance fixed by 16mm dia. (16 guage) SS pipe with baluster including accessories as per detailed drawing as directed etc. complete.	Rmt		
657	Providing and fixing POP false ceiling fixed with alluminium angle framing of required size with necessary supported including fixing in line & level etc. complete.	Sqm		
658	Providing and fixing PVC false ceiling (600 x 600mm & 1200 x 600mm moduled size or as size approved by engineer-in-charge) ceiling fixeed with alluminium angle framing of required size with necessary supported including fixing in line & level etc. complete.	Sqm		

Item No.	Item of work	Unit	Rate	
			In figure	In words
659	Providing and fixing one side 1mm thick laminated 9mm thick commercial plywood sheet wall panelling excluding framing. The colour shade as approved by Architect and as directed by engineer-in-charge with all labour and material.	Sqm		
660	Providing and fixing Super Sil Metal GS panel 0.5mm thick (600 x 600mm & 1200 x 600mm moduled size or as size approved by engineer-in-charge) ceiling fixed with aluminium angle framing of required size with necessary supported including fixing in line & level etc. complete.	Sqm		
661	Providing and fixing wall ceiling and floor 6.0 Kg. F/Cm <sup>2</sup> working pressure polythene pipes of the following outside dia. low density, complete with special flange compression type fittings, wall clips etc. including making good the wall ceiling and floor (B)110 mm	Rmt		
662	Providing and and fixing wall ceiling and floor 6.0 Kg. F/Cm <sup>2</sup> working pressure polythene pipes of the following outside dia. low density, complete with special flange compression type fittings, wall clips etc. including making good the wall ceiling and floor. (B)160 mm	Rmt		
663	Providing and and fixing wall ceiling and floor 10 Kg. F/Cm <sup>2</sup> working pressure polythene pipes of the following outside dia. low density, complete with special flange compression type fittings, wall clips etc. including making good the wall ceiling and floor. (B)160 mm	Rmt		
664	Providing, laying and jointing in true line and level 75 diameter UPVC (Type B) conforming to IS 13592-1992 with one end plain and other end socketed with rubber ring, & fittings conforming to ISI 14735-1999 of approved make for drainage system pipe line, pipe shall be jointed with each other with rubber lubricant, pipe shall be fixed on wall using of PVC clamp of the size 75 mm diameter x 125 mm length x 100 mm high at every 2000 mm center to center or shall be concealed in walls as directed including necessary fittings such as bends, shoes etc. including testing of pipes and joints and jointed with adhesive solvent cement including cost of all materials.	Rmt		
665	Supply & fixing S.S Aldrop 20 Cm long of ASIS 304 Grade	No		
666	Supply & fixing S.S Aldrop 25 Cm long of ASIS 304 Grade	No		
667	Supply & fixing S.S Aldrop 30 Cm long of ASIS 304 Grade	No		
668	Supply & fixing S.S Hooks and Eyes 10 cms. Length ASIS 304-grade	No		
669	Supply & fixing S.S Hooks and Eyes 15 cms. Length ASIS 304-grade	No		
670	Supply & fixing S.S Hooks and Eyes 20 cms. Length ASIS 304-grade	No		

Item No.	Item of work	Unit	Rate	
			In figure	In words
671	Supply & fixing S.S Stopper 60 Cm long of ASIS 304 Grade	No		
672	Supply & fixing S.S Stopper 30 Cm long of ASIS 304 Grade	No		
673	Supply & fixing S.S Stopper 20 Cm long of ASIS 304 Grade	No		
674	Supply & fixing S.S Handle for Door/ Window 10 cm size of ASIS 304 Grade	No		
675	Supply & fixing S.S Handle for Door/ Window 15 cm size of ASIS 304 Grade	No		
676	Supply & fixing S.S Pipe Handle 30 Cm long of ASIS 316 Grade	No		
677	Supply and fixing Latch (Tadi) as per sample approved sectional flats (Heavy) C.P. Brass 20 cms. Length	No		
678	Supply and fixing Latch (Tadi) as per sample approved sectional flats (Heavy) C.P. Brass 25 cms. Length	No		
679	Supply and fixing Latch (Tadi) as per sample approved sectional flats (Heavy) C.P. Brass 30 cms. Length	No		
680	Supply and fixing Mortice Lock of standard quality.	No		
681	Supply and fixing floor spiring of approved quality Inox make or as directed.	No		
682	Supply and fixing door closer of (Heavy Quality) Hyper or as directed.	No		
683	Providing and fixing wash down water closet (European type WC pan wall hung) of size 570 x 380 x 400mm with integral P and S trap, flushing system seat cover etc. complete unit of American Standard Model No.3906 brand or any equivalent quality and brand as approved by engineer-in-charge including installing and fitting as per manufactures standards by skilled trained workman including testing etc. complete.	No		
684	Providing & fixing Branded Mirror 6mm thick of size 3' x 2' with black frame and standard quality of its equivalent as approved by engineer-in-charge SAINT GOBIAN/ MODI GUARD equivalent quality etc. complete including fixing with SS stud as directed.	No		
685	Providing and fixing single lever KNA3104 basin mixer with flexible connectors of ISI mark PLUMBER or its equivalent brand as directed engineer-in-charge.	No		
686	Providing and fixing single lever KNA3101 LB wall mixer with "L" shaped tabular bend set for over head shower of ISI mark of PLUMBER or its equivalent brand as directed engineer-in-charge.	No		
687	Providing and fixing angle cock KNA-2105 with wall flauge of ISI mark of PLUMBER or its equivalent brand as directed engineer-in-charge	No		
688	Providing and fixing bidet spray (Heath fancet) ultima UTM-1904 with chrome plated 1.00 meter expendable 100cm - 130cm flexible metal tube & holder of PLUMBER or its equivalent brand as directed engineer-in-charge etc. complete.	No		

Item No.	Item of work	Unit	Rate	
			In figure	In words
689	Providing and fixing flush valve metro pool soft touch RX7104 with dual flow system with round cover plate of 25 mm size of ISI mark PLUMBER or its equivalent as directed by engineer-in-charge.	No		
690	Providing and fixing bib cock two way XM-2109 with wall flange of 15mm dia. of ISI mark PLUMBER or its equivalent brand as directed etc. complete.	No		
691	Providing and fixing bib cock XM-2103 with flange of ISI mark PLUMBER or its equivalent brand as directed engineer-in-charge etc. complete 15mm dia.	No		
692	Providing and fixing concealed stop cock EC-0405 of ISI mark of PLUMBER or its equivalent brand as directed engineer-in-charge etc. complete	No		
693	Providing and fixing 2-flow over head shower ITP-2221 with antitime jets with shower arm and wall hungs of ISI mark PLUMBER or its equivalent brand as directed engineer-in-charge etc. complete.	No		
694	Providing and fixing towel ring round EG-7009 of mark of PLUMBER or its equivalent as directed by engineer-in-charge etc. complete.	No		
695	Providing and fixing toilet paper holder EG-7007 with laid (cover) of approved brand of PLUMBER or its equivalent as directed engineer-in-charge etc. complete.	No		
696	Providing and fixing towel rack 450mm (18") with hook EG-7718 of approved brand of PLUMBER or its equivalent as directed engineer-in-charge etc. complete.	No		
697	Providing and fixing soap dish with metal dish ERM-0913 of approved brand of PLUMBER or its equivalent as directed by engineer-in-charge etc. complete.	No		
698	Providing & fixing wooden partition/ door including 3 1/2" x 2" size Ghana teakwood framing as directed including 12 mm thick ply on both sides of green or century make BWR ply confirming to IS 710 including both side lamination of 1.0 mm thick of green, broome or equivalent make including necessary drawing including 12 mm thick soft board as directed including tapestry it of approx Rs.200/ rmt including necessary Ghana teakwood beading & melamine polishing to exposed faces including necessary SS screws, khili, fevicol etc. of suggest brand by engineer-in-charge including all lead & lift as directed by engineer-in-charge including all lead & lift as directed by engineer-in-charge and as per architect drawings etc. complete.	Sqm		
699	Providing & fixing table for work station of size as directed of height up to 0.80 mt. or size as directed using 19 mm thick plywood of BWR confirming to IS 710 of green or century make, designs & grooves as directed by architectural drawings, lamination of 1.0 mm thick in single or double shade of green, broom or equivalent make of plain or texture finish including necessary keyboard drawer, 3 drawer cabinet of size 21" or as directed, stand for CPU size 10" x 20" or size as directed, necessary SS Screws, handles, magnet, hinges, khili, drawer lock of godrej make	Sqm		

Item No.	Item of work	Unit	Rate	
			In figure	In words
	fevicol etc. of suggested brand by engineer-in-charge telescopic channel of hetthich, sleek or efficient make, teakwood foot rest of 3' x 2' size or size as directed, necessary teakwood beading of Ghana teakwood, melamine polishing to exposed edges, providing cable manager including all cost of material, labours with all lead & lift including inside of drawers & shutters in white laminates of 0.80 mm thick as directed by engineer-in-charge as per architect drawing etc. complete.			
700	Providing Texture colour using Asian paint's Royal colour or its equivalent make including one coat of primer, applying putty nad sand papering in line and level and applying texture effect using suitable roller or equipment as approvd by Archiotect complete as directed.	Sqm		
701	Providing and fixing M Sera board or its equivalent make board of approved design wall panelling as directed including one coat of primer and two coats of plastic paint as directed.	Sqm		
702	Providing and fixing Gypsum board panelling including fixing GI/ teakwood beding of size 2 1/2" x 1" @ 1.0mm C/C with SS screws & fixing Gypsum board sheets of 12mm thick of size 1.2 x 1.8m on beading with SS screw including lapi-putti & one coat of primer & two coats of plastic paint etc. complete.	Sqm		
703	Providing and fixing PVC valve for Astral/ Finolex make or as directed (A) 15 mm dia.	Each		
704	Providing and fixing PVC valve for Astral/ Finolex make or as directed (B) 25 mm dia.	Each		
705	Providing and fixing PVC valve for Astral/ Finolex make or as directed (C) 32 mm dia.	Each		
706	Providing and fixing PVC valve for Astral/ Finolex make or as directed (D) 40 mm dia.	Each		
707	Providing and fixing PVC valve for Astral/ Finolex make or as directed (E) 50 mm dia.	Each		
708	Providing and fixing PVC Ball valve (A) 15 mm dia.	Each		
709	Providing and fixing PVC Ball valve (B) 25 mm dia.	Each		
710	Providing and fixing Brass Ball valve (A) 15 mm dia.	Each		
711	Providing and fixing Brass Ball valve (B) 25 mm dia.	Each		
<b>U</b>	<b>LABOURS &amp; MACHINERIES</b>			
712	Providing and fixing openwel sub-merssible mono block pump set 7.5 HP (C) 670 LPM discharge @ 40 mtr. head suitable for 50mm dia. delievery pipe Cat.II Crompton, kirloskar, kalama or its equivalent as directed by engineer in charge.	No		
713	Providing and fixing openwel sub-merssible mono block pump set 5 HP (C) 670 LPM discharge @ 40 mtr. head suitable for 50mm dia. delievery pipe Cat.II Crompton, kirloskar, kalama or its equivalent as directed by engineer in charge.	No		
714	Providing and fixing motor control cubical panel (direct-on-line) (B) DOL for 7.5 HP. Gelco, Sun,	No		



Item No.	Item of work	Unit	Rate	
			In figure	In words
	Smudra or its equivalent as directed by engineer in charge.			
715	Providing and fixing motor control cubical panel (direct-on-line) (B) DOL for 5 HP. Gelco, Sun, Smudra or its equivalent as directed by engineer in charge.	No		
716	Providing and fixing ISI Mark PVC insulated flat flexible sub-mersible copper cable. (C) 3 core x 4 Sq.mm. Finolex or its equivalent as directed by engineer in charge.	Rmt		
717	Engaging services of labours male / female for various road and building maintainance works including cleaning jungle cutting and other various type of works as directed by engineer in charge.	Each		
718	Engaging services of labours for cutting shrurbs, grass on building of any height including cost of helper for maintaining jula. (Item include with cost of two labours)	Each		
719	Engaging services of skilled labours for various road and building maintainance works as directed by engineer in charge.	Each		
720	Engaging services of I st Class Carpenter for various type of wood works, windows, shutter etc. complete as directed by engineer in charge.	Each		
721	Engaging services of Wireman for all type of repairing electrification work as directed by engineer in charge.	Each		
722	Engaging services of Plumber for all type of repairing of water supply line at any places & any type of works etc. complete as directed by engineer in charge.	Each		
723	Engaging services of Mason for all type of road & building work at any places & any type of works etc. complete as directed by engineer in charge.	Each		
724	Engaging services of Chokidar for all type of materials & building as directed by engineer in charge.	Each		
725	Engaging services of Painter for all type of color work for all type of stucture as directed by engineer in charge.	Each		
726	Engaging services of Driver for light / heavy vehicle as directed.	Each		
727	Engaging services of White washer for all type of nature works as directed by engineer in charge.	Each		
728	Engaging Tractor with trolly with hydraulic utilities unloading & operator including oil, lubricantes, diesels etc. complete.	Hour		
729	Engaging Excavator (J.C.B. type) with operator including oil, lubricantes, diesels etc. complete.	Hour		
730	Engaging Truct / Dumper, Water tanker hydraulic utilities unloading & with operator including oil, lubricantes, diesels etc. complete.	Hour		
731	Engaging Tandome power roller (8 to 10 tone) with operator including oil, lubricantes, diesels etc. complete.	Hour		
732	Engaging Vibratory roller (earth vibro) with operator including oil, lubricantes, diesels etc. complete.	Hour		

Item No.	Item of work	Unit	Rate	
			In figure	In words
<b>V</b>	<b>STRENGTHENING OF RCC MEMBER</b>			
733	Removing and refixing including making in required size of doors, windows, ventilators etc. (wood or steel) shutters including chowkhats architraves, holdfasts and other attachment of any size etc. complete including new fixtures and fastening as directed by engineer in charge for all floors	No		
734	Removing of Grill and refixing the same with making in required size including required new screws as directed by engineer in charge for all floors.	No		
735	Providing and laying Cement Concrete 1:1:2 in Pad footing with all labour and all material required like sand, cement, coarse aggregate, polymer fibre 125gm/50 kg bag of cement and super plasticizer 250gm/50 kg bag of cement including formwork and curing etc. comp. as directed by engineer in charge.	Cum		
736	Providing and Laying Jacketing to R.C.C. member square/ rectangular/ circular with jacketing of 0.1m thick and 1:1:2 concrete, polypropylene fibre and super plasticizer with shuttering, curing with all materials and labour (12mm Polypropylene Fibrillated Fibre 125 gm/ 50 kg bag of cement + Super Plasticizer 250 gm/ 50 kg bag of cement) including cleaning all corrode steel bar with mild nitric acid and applying zinc rich primer on steel bar and applying polymer bonding agent on concrete surface etc. comp. for all floors.	Sqm		
737	20mm Rebar, excluding bar. It should minimum 200mm embedded in concrete, drill dia. Should be minimum 26mm for rebar, material should be used Will Fischer FISV 360 or equivalent. (Pull out strength check should be given by contractor as per technical specifications)	No		
738	16mm Rebar, excluding bar. It should minimum 160mm embedded in concrete, drill dia. Should be minimum 20mm for rebar, material should be used Will Fischer FISV 360 or equivalent. (Pull out strength check should be given by contractor as per technical specifications)	No		
739	12mm Rebar, excluding bar. It should minimum 120mm embedded in concrete, drill dia. Should be minimum 16mm for rebar, material should be used Will Fischer FISV 360 or equivalent. (Pull out strength check should be given by contractor as per technical specifications)	No		
740	10mm Rebar, excluding bar. It should minimum 100mm embedded in concrete, drill dia. Should be minimum 14mm for rebar, material should be used Will Fischer FISV 360 or equivalent. (Pull out strength check should be given by contractor as per technical specifications)	No		
741	8mm Rebar, excluding bar. It should minimum 80mm embedded in concrete, drill dia. Should be minimum 12mm for rebar, material should be used Will Fischer FISV 360 or equivalent. (Pull out strength check should be given by contractor as per technical specifications)	No		

Item No.	Item of work	Unit	Rate	
			In figure	In words
742	Carrying out injection grouting for cracks in RCC structural members for all floors by drilling holes of 15mm dia. Upto minimum depth of 75mm, fixing aluminium nozzle/ plastic pipe using on shrink epoxy putty, injecting high molecular weight thermoset polymer CLV graded (low viscosity upto 3-5 cps polymer material) at specified pressure (70-80 psi) with grouting pump till the material refuses to impregnate inside the holes. if required or suggested by Engineer in charge, injection grouting shall be carried out more than once for a hole to ensure proper spreading of grout materials and filling of capillaries/ voids within the elements. After all satisfactory injection grouting, the nozzle/ pipe shall be cut and sealed by non shrink epoxy putty. The rate shall be include the cost of providing and supplying all tools, materials, labours, scaffoldings, props, formwork etc. comp. The make and quality of epoxy grout, epoxy putty etc. shall be approved by Engineer in charge. The procedure for application shall be strictly accordance with manufacturer's detail specifications which shall be submitted before start of work and shall be approved by Engineer in charge. Actual No. of injection holes and their location shall be decided by Engineer in charge. Materials and set up for the same should be shown (Demo) to site engineer before start the work.	No		
743	Crack filling on structural member (cracks on beam column slab) by making 5 mm to 15 mm groove & filling it with putty of polymer modified mortar (i.e. SBR/ Acrylic + grout) acts as bonding agent between to cement based surfaces etc. complete. for all floors.	Rmt		
744	Providing average 20 mm thick single coat polymer plaster by removing deteriorated plaster over RCC member, exposing existing reinforcement including scraping by wire brush, applying rust removing chemical, rust convertor and zinc rich primer on existing reinforcement, applying polymer bonding agent on existing concrete surface including plastering in CM 1: 3 in single coat and finishing with floating coat of neat cement slurry adding Polyalk Fix Prime polymer chemical etc. complete. The rates shall includes providing and applying curing agent on repair surface as directed by engineer-in-charge.	Sqm		
745	Providing average 30 mm thick two coat polymer plaster by removing deteriorated plaster over RCC member, exposing existing reinforcement including scraping by wire brush, applying rust removing chemical, rust convertor and zinc rich primer on existing reinforcement, applying polymer bonding agent on existing concrete surface including plastering in CM 1: 3 in two coat and finishing with floating coat of neat cement slurry adding Polyalk Fix Prime polymer chemical etc. complete. The rates shall includes providing and applying curing agent on repair surface as directed by engineer-in-charge.	Sqm		
746	Providing Heavy duty reinforced acrylic water proofing treatment on terrace and wall including preparing the existing surface, repairing the crack by filling crack x powder or polymer modified mortar for wider cracks,	Sqm		

Item No.	Item of work	Unit	Rate	
			In figure	In words
	applying prime coat of prime seal and three coats of new coat of Dr. fix it or equivalent approved quality. Also laying glass fibre mesh of 40 GSM must be sandwiched between first and second coat. Total thickness of 1.00 to 1.20 mm must be achieved when it is dry. All the work shall be strictly carried out as per recommendation of manufacturer and as directed by engineer in charge.			
747	Providing RAINCOAT treatment of Dr. Fixit or equivalent on all type of exterior wall surface including preparing the existing surface, repairing the crack up to 5 mm width by filling crack x powder or polymer modified mortar for wider cracks, applying prime coat of prime seal and two neat coats of raincoat of Dr. fix it or equivalent approved quality. Also apply additional coat on rain lashing walls, chajjas and parapet etc. All the work shall be strictly carried out as per recommendation of manufacturer and as directed by engineer in charge.	Sqm		
748	Providing wonder coat treatment of Dr. Fixit or equivalent on all type of interior wall surface including preparing the existing surface, repairing the crack with X paste, entire area is to be cured with water, applying wonder proof 1 and after wonder proof 2 is a levelling plaster. All the work shall be strictly carried out as per recommendation of manufacture and of directed by engineer-in-charge.	Sqm		
<b>W</b>	<b>MIX ITEMS</b>			
749	Providing & laying Syroof Hi Build 1mm thick ecetrometric, premium quality acrylic coating as a water proofing memberance finished which consists a coat of bituen primer & 80 CSM membrane on terrace with ultra violet resistance working upto any height with 5 years guarantee against any leakage etc. complete per detail specification & as directed by engineer-in-charge.	Sqm		
750	Providing and layng (32" x 48") vitrified tiles 8 to 10mm thick, digital decorative tiles flooring over 20mm (average) base of cement mortar 1:6 (1 cement : 6 coarse sand) on new surface or fixing on existing flooring by adhesive material including dismantaling of existing flooring and jointed with colour cement slurry including finished with flush pointing and cleaning the surface etc. complete for light shade.	Sqm		
751	Providing and layng (32" x 32") vitrified tiles 8 to 10mm thick, double charge tiles flooring over 20mm (average) base of cement mortar 1:6 (1 cement : 6 coarse sand) on new surface or fixing on existing flooring by adhesive material including dismantaling of existing flooring and jointed with colour cement slurry including finished with flush pointing and cleaning the surface etc. complete for light shade.	Sqm		
752	Providing and fixing polished 18mm thick black granite with full round edge and double side polished of approved quality in between urinal and fixing with cement slurry & adhesive including moulding of both exposed edges as directed by engineer-in-charge etc. complete.	Sqm		

Item No.	Item of work	Unit	Rate	
			In figure	In words
753	Providing and placing Executive Revolving full back chair of seat size 710 x 620 and back height 1200 mm from seat using. Synchro mechanism with position locking arrangement and S.S. finish arms with PU pad, Specially designed anti topple chrome polished base and Class-3 gas lift for seat height adjustment & 30% glass filled nylon castors for smooth movement of chair and Upholstery option available in PU leather and rich fabrics and 50 dc mould cushion in seat, waterfall design seat for better thigh support as design approved by engineer-in-charge. The chair shall be of methodic Gouge HB series Hoff of Godrej's similar equivalent series and make of its equivalent make as per image.	No		
754	Providing and placing Executive Revolving full back chair of seat size 690 x 585 and back height 900 mm from seat using. Synchro mechanism with position locking arrangement and S.S. finish arms with PU pad, Specially designed anti topple chrome polished base and Class-3 gas lift for seat height adjustment & 30% glass filled nylon castors for smooth movement of chair and Upholstery option available in PU leather and rich fabrics and 50 dc mould cushion in seat, waterfall design seat for better thigh support as design approved by engineer-in-charge. The chair shall be of methodic Gouge HB series Hoff of Godrej's similar equivalent series and make of its equivalent make as per image.	No		
755	Providing & fixing decorative laminated wall panelling with multi chamber Hollow PVC section of 6mm with PVC grip for fixing of SS screws. PVC, section should be overlap type to hide all material joints all edge should be stic with good quality adhesive complete for material and labour work made by Sintex or equivalent brand & as directed by engineer-in-charge etc.	Sqm		
756	Providing and fixing diffrence type sub-merssible pump set three phase. Crompton, Willer fixing (Kirloskar, Kalama) or its equivalent as directed by engineer-in-charge.			
	(i) 0.5 HP	No		
	(ii) 1.0 HP	No		
	(iii) 1.5 HP	No		
	(iv) 3 HP	No		
	(v) 5 HP	No		
	(vi) 7.5 HP	No		
	(vii) 10 HP	No		
757	Providing and fixing table met on top of table as directed.	Sqm		
758	Providing and fixing Domal section window having extruded aluminium colour anodized section frame horizontal two track member 16 gauge thick and sliding shutters with 5mm thick transperant bronze colour tinted float glass with powder coated aluminium fitting and fixtures and transparent silicon sealant	Sqm		

Item No.	Item of work	Unit	Rate	
			In figure	In words
	glass fixing to frame as per detailed drawing as directed etc. complete (Section size frame size - 45mm x 45mm x 1.95mm & shutter size 65mm x 27mm x 1.95mm)			
759	Providing and fixing Domal section window having extruded aluminium colour anodized section frame horizontal three track member 16 gauge thick and sliding shutters with 5mm thick transperant bronze colour tinted float glass with powder coated aluminium fitting and fixtures and transparent silicon sealant glass fixing to frame as per detailed drawing as directed etc. complete (Section size frame size - 90mm x 45mm x 1.95mm & shutter size 65mm x 27mm x 1.95mm)	Sqm		
760	Supplying all weather cotton blanket of size 140cm x 240cm of Bombay dyeing or its equivalent brand as directed including etc. complete.	No		
761	Supplying heavy duty hand cart GWBSS SERIES having standard different colour of size GWBSS 25-01, litters 250, Top 1150mm x 880mm, bottom 750mm x 440mm of sintex brand or its equivalent brand as directed by engineer-in-charge etc. complete.	No		
762	Supplying heavy duty Vertical waste BINS with FLAP having standard different colour of size 25 liters, Top 425, bottom 330, hight 655 of sintex brand or its equivalent brand as directed by engineer-in-charge etc. complete.	No		
763	Providing and fixing sign board of pre-laminated radium colour painting letter on 2mm thick SS plate as per required size and scale of letter fixing on brick wall/ RCC wall with fixers scewing etc. complete.	Sq.In.		
764	Supplying sweet water by water tanker in any difficult situation on site or any other govt. residential and non residential building including all charges and labour per liter. (A) 3000 liter.	No		
	(B) 5000 liter.	No		
	(C) 10000 liter.	No		
765	Providing & laying <b>CEMENT CONCRETE</b> 1:1½:3 (1 cement : 1½ coarse sand : 3 crushed stone aggregate 20 mm nominal size B.T. kapchi) for <b>CONCRETE PAVING</b> in panels of 15mt x 6mtr. in true line and level compacting by vibrator, excluding the cost of formwork and reinforcement for ground floor including adding plasticizer @ 100ml per cement bag Fosroc or Equi. (as per IS 9103) to accelerate, retard setting of concrete improve workability without impairing strength and durability including providing 150 micron sheet on sub base separation and finishing the <b>CONCRETE PAVING</b> with <b>VACUUM DEWATERING SYSTEM</b> popularly known as <b>TREMIX</b> consisting of mechanical trowel, vacuum dewatering equipment and finishing with mechanical floater to give even finish and smooth surface including providing joints and filling the joints with bitumen sand mixer etc. complete as directed by Engineer-in-charge.	Sqm		
766	Providing and fixing plain <b>glass</b> in single flush door by departing flush door from hinges, cutting <b>slit</b> in it and	No.		

Item No.	Item of work	Unit	Rate	
			In figure	In words
	fixing glass with teak wood battens with 2-coat lapi-primer and 2-coat oil paint work and re-fitting door on door frame as directed by Engineer-in-charge.			
767	Providing and fixing (sticking) <b>sun protected film</b> of branded manufacturer like Gurware or equivalent, 25 micron thickness and material shall be an optically clear (non-reflective, blue or black colour) metalized polyester film which may be laminated to a clear polyester film. There must be an acrylic abrasion resistant coating over the surface of the film for enhanced durability. The film colour is derived from a metal coating and the product will not contain dyed polyester. The metallic coating shall be uniform without noticeable pin holes, streaks, thin spots and scratches or banding. The film shall be supplied with a pressure sensitive weatherable acrylate adhesive applied uniformly over the surface opposite the abrasion resistant coating. A water soluble detackifier shall be incorporated over the pressure sensitive adhesive to facilitate handling. The adhesive shall be essentially optically flat and shall meet the criteria: i.e. viewing the film from a distance of 10'0" (3 m) at angles up to 45 degrees from either side of the glass, the film itself shall not appear distorted.	Sqm		
768	Providing and fixing <b>25mm dia Stainless Steel selected good quality of pipe (for window curtain)</b> including the cost of S.S. concil piece, S.S. socket and S.S. centre piece if required and labour charges for fitting with NF screw of required size etc. complete.	Rmt		
769	Supplying the <b>curtain cloth</b> of good selected quality with stitching labour in fixing "O" rings including the cost of ilet patti at the border etc. complete as approved by Engineer-In-charge.	Sqm		
770	Providing and fixing of <b>door closer</b> standerd quality with all required accessories and manufacturing of standerd compeny e.g. Godrej or Hyper etc. opening 180 degree and supporting about 60 k.g. of door weight mounting on door panel or door frame and for both left and right hand opnning doors etc.complete as directed by Engineer-in-charge.	No.		
771	Providing and fixing <b>powder coated Alluminium (Brand - JINDAL or equivalent) partition (3.0 mt. ht.)</b> having section 63.5mm x 38.1 mm & 1.21mm thick (section no.- 20026, Jindal), weight not less than 0.761 Kgs/Rmt. Lower panel of 3.5 mm thick bakelite sheet upto 1.00 meter height,middle panel of 5 mm thick 1.06 m height frosted glass (i.e. -1.00 to 2.10 meter) and top panel 3.5 mm thick bakelite sheet ( i.e 2.10 to 3.00m) includng providing and fixing glazing clip, Hathi rubber, L-angle and any other required materials, including cost of labour etc. complete as directed & instructed by Engineer-in-charge.	No.		
772	Providing and fixing <b>powder coated Alluminium (Brand - JINDAL or equivalent) partition</b> having section 63.5mm x 38.1 mm & 1.21mm thick (section no.- 20026, Jindal), weight not less than 0.761 Kgs/Rmt. Lower panel of 3.5 mm thick <b>bakelite sheet upto 1.00 meter height,top panel of 5 mm thick 0.36m height transparent glass (i.e. -1.00 to 1.50</b>	Sqm		

Item No.	Item of work	Unit	Rate	
			In figure	In words
	<b>meter)</b> including providing and fixing glazing clip, Hathi rubber, L-angle and any other required materials, including same section ceiling support at every free end and cost of labour etc. complete as directed & instructed by Engineer-in-charge.			
773	Preparing the <b>wooden stages of 0.23 mt. height</b> with providing and making grid of 50 mm x 50 mm Indian teak wood patti of size 0.6 x 0.6 mts at top of peripheral plywood with 50 mm x 50 mm Indian teak wood patti at bottom for supporting peripheral ply and including all junction of top grid vertically supporting by 50 x 50 mm Indian teak wood patti and 12 x 19 mm Indian teak-wood patties for top plywood boarder, 19 mm plywood sheets, selected 0.8 mm thick laminate sheets, fevicol, nails, screws, with two coats of lapi-primer and 2-coat of enamel paints on sides of the stages including all the labour work etc. complete in different class rooms with all lifts and leads as per required measurements and design and instruction given by Engineer-in-charge.	Sqm		
774	Providing and fixing 1.5mm thick F.R.P. corrugated coloured sheet on M.S. Fabricated structure with G.I. 'J' hook, bolts, nuts, 8mm dia and G.I. Plain and bitumen washers etc. completed including filling gap between wall and F.R.P sheet with silicon. BRAND: Glasspole , Everest OR equivalent.(Over laping of sheet should be of 2 corrugation).(F.R.P. roof)	Sqm		
775	Fabricating, providing and fixing in position <b>SS railing</b> top main rail pipe horizontal rail 50mm x 16G ASIS and internal horizontal pipe 16mm x 16G ASIS fixed on vertical support of 32x32mm square pipe x 16G ASIS for Staircase, Ramp and balcony with brush finish and 304 grade as per indian Standed and detailed drawing including grinding, cleaning and filling the welded spots with SS finishing and polishing (only length will be paid for payment heighth max. 1.0 mt.), The work to be executed as directed by Engineer-in-charge.	Sqm		
776	Providing and preparing wooden frames for <b>safety charts</b> with 12 mmthick plywood and 12 mm x 25 mm Indian teak wood battens, fevicol and required size nails including labour charges with 2-coats of lapi-primer and 2-coats of enamel paints on both side of frames as per required measurements and design as per instruction given by Engineer-in-charge.	Sqm		
777	Providing and fixing Indian teak wood 40 mm x 40 mm for framing, 12 mm x 19 mm for ply boarder, 19 mm thick plywood for side support, shelf and doors, 0.8 mm thick laminates of selected shade , aluminium screws, fevicol, s.s. hinges, s.s. handles, alluminium 3-stoppers inside of each shutter, nails etc. including labour for carpentry work and 2-coats of putty-primer + 2-coats of oil paint for <b>cup board (with 1-center shelf) work below granite platform</b> in required size as directed by Engineer-in-charge.	Sqm		
778	Providing and fixing Indian teak wood 12 mm x 12 mm for ply boarder, 12 mm thick plywood (with required cut holes) for side support, shelf, vertical partition and key board drawer with 18" long high quality slider,	Sqm		



Item No.	Item of work	Unit	Rate	
			In figure	In words
	aluminium screws, fevicol, s.s. handles, nails etc. including labour for carpentry work and 2-coats of putty-primer + 2-coats of oil paint for <b>computer cup board without door</b> (to all vertical and horizontal ply) work below granite platform in required size as directed by Engineer in charge.			
779	Repairing of damaged R.C.C. Columns, Beams, Lintels, Chhajja etc. up to 10m height by providing and applying <b>Polymer Modified Plaster (PMCM) 15 mm thick</b> in propotion 1:3 (Cement : Sand) with 5 lit. of SBR per bag of cement in single coat including application of Bond coat 1:1 (1 part SBR : 1 part Cement) on old concrete surface including Scaffolding, Curing, Cleaning etc. complete.	Sqm		
780	Repairing of damaged R.C.C. Columns, Beams, Lintels, Chhajja etc. up to 10m height by providing and applying <b>Polymer Modified Plaster (PMCM) 25 mm thick</b> in propotion 1:3 (Cement : Sand) with 5 lit. of SBR per bag of cement in single coat including application of Bond coat 1:1 (1 part SBR : 1 part Cement) on old concrete surface including Scaffolding, Curing, Cleaning etc. complete.	Sqm		
781	Repairing of damaged R.C.C. Columns, Beams, Lintels, Chhajja etc. up to 10m height by providing and applying <b>Polymer Modified Plaster (PMCM) 40 mm thick</b> in propotion 1:3 (Cement : Sand) with 10 lit. of SBR per bag of cement in two coats of 20 mm thickness for the total thickness of 40 mm including application of Bond coat 1:1 (1 part SBR : 1 part Cement) on old concrete surface including Scaffolding, Curing, Cleaning etc. complete.	Sqm		
782	Repairing of damaged R.C.C. Columns, Beams, Lintels, Chhajja etc. up to 10m height by providing and applying <b>Polymer Modified Plaster (PMCM) 50 mm thick</b> in propotion 1:3 (Cement : Sand) with 10 lit. of SBR per bag of cement in three coats. Two coats of 20 mm and one coat of 10 mm thickness for the total thickness of 50 mm including application of Bond coat 1:1 (1 part SBR : 1 part Cement) on old concrete surface including Scaffolding, Curing, Cleaning etc. complete.	Sqm		
783	Providing and laying <b>water proofing</b> including 0.23 mts. radius vata with waterdrip as directed with 5 years written guarantee, by laying 40 mm thick cement mortar 1:4 (1 cement : 4 fine sand ) after thoroughly cleaning the base slab and removing all the loose materials with wire brush, applying cement & waterproofing slurry evenly spread on slab and mixing water proofing materials in cement mortar in proportion as recommended by manufacture, laying brick bats after thoroughly soaked in water on layer of cement mortar, applying cement slurry on brick between @ 0.08 bag/smt. with mixing water proofing materials in proportion as recommended by the manufactures & finishing top with <b>china mozaic</b> tiles chips with 12 mm thick C.M. 1:3 base and laying by keeping gaps which should be filled with white cement and colour pigment including rounding or junction extending upto 15 cm along the wall, including curing etc. complete. Note : The measurement of this item	Sqm		

Item No.	Item of work	Unit	Rate	
			In figure	In words
	shall be taken as that of the horizontal surface (length x width ) that is from inside of the parapet walls, thus, not considering the surface measurement of the rounded vatas.			
784	Providing and replacing <b>cylindrical premium brass finish door lock</b> of standard quality with all required accessories and manufacturing of standard company like Godrej including fixing and labour charges with required every type of tools and tackles, on door shutters .	No.		
785	Providing and replacing <b>premium decorative</b> as per existing <b>brass finish door handles</b> of standard quality with all required accessories and manufacturing of standard company including fixing and labour charges with required every type of tools and tackles, on door shutters .	No.		
786	Providing and laying 18 mm thick <b>granite stone slab flooring</b> over 50 mm base of cement mortar 1 : 4 (1-cement : 4 fine sand) for flooring, dado, stair steps and risers etc. laid and jointed with gray cement slurry including rubbing, moulding, champhering, grooving and polishing complete as directed & instructed by Engineer-in-charge.	Sqm		
787	<b>Removing dry or oil bound distemper</b> by washing and scrapping and sand papering the wall surface smooth including necessary repairs the scratches complete.	Sqm		
788	Providing and fixing 05mm thick standard quality <b>plain glass in steel cup board</b> including all labour work for removing and disposing broken glass and fitting of new glass in size required on site in steel cup board including transportation, nut-bolt, screws and all lead and lift as per instructions given by Engineer-in-charge.	Sqm		
789	Providing & fixing 08 mm thick standard quality (saint gobin or modi guard) <b>toughen glass in partition</b> at second floor including all material like silicon jel, 8 mm thick glass, any type of glass screw, required scaffolding etc. and labour work for removing and disposing broken glass and fitting of new glass in size required on site including toughenning and transportation charges with all lead and lift as per instruction given by Engineer-in-charge.	Sqm		
790	<b>Rebar for 8mm steel</b> for new loft casting work with using 10 mm drill up to 150 mm deep hole, cleaning hole by blower and then inserting new steel rod using ficsher/hilty make chemical.	No.		
791	<b>Rebar for 10 mm steel</b> for new loft casting work with using 12 mm drill up to 150 mm deep hole, cleaning hole by blower and then inserting new steel rod using ficsher/hilty make chemical.	No.		
792	<b>Rebar for 12 mm steel</b> for new loft casting work with using 15 mm drill up to 150 mm deep hole, cleaning hole by blower and then inserting new steel rod using ficsher/hilty make chemical.	No.		
793	<b>Rebar for 16 mm steel</b> for new loft casting work with using 20 mm drill up to 150 mm deep hole, cleaning	No.		

Item No.	Item of work	Unit	Rate	
			In figure	In words
	hole by blower and then inserting new steel rod using ficsher/hilty make chemical.			
794	Providing and laying 24" X 24" <b>fire resistive Vitrified</b> 8mm thick tile with cement mortar 1 : 1 ( 1-cement : 1- <b>adhesive e.g. N.S.A.</b> ) on new surface of plasterd wall and jointed with color cement slurry including finished with flush pointing & cleaning the surface etc. complete for required shade (upto 10 ton)	Sqm		
795	Providing and fiixing <b>kitchen platform cupboard</b> of SS basket(4", 6", and 8" depth), telescope channel, front side 19 mm thick ply with inside white laminate and out side colour laminate as per require, Handle, other require fixture etc. complete as directed by Engineer-in-charge.	Sqm		
796	Providing and laying 300 x 300 x 60mm thick <b>Tacktiles flooring</b> over 50 mm base of cement mortar 1 : 4 (1- cement : 4 fine sand) laid and jointed with gray cement slurry including rubbing and polishing complete as directed by Engineer-in-charge.	Sqm		
797	<b>Injection pressure grouting for damaged R.C.C.</b> members using mech. Pressure machine and completing with S.B.R.+ cement slurry	No.		
798	Providing and fixing 18 gauge <b>Alluminium door (powder coated ) single shutter ( jindal brand or its equivalent )</b> of ht. 7'0" approx in which 3'0" from door level is of bakelite sheet of good quality and remaing 4'0" is covered with 5 mmthick plain glass ( of saint gobin or modi guard ). The alluminium door framing vertical in 85mm x 44.45mm. Middle in 83.50mm x 44.45mm and bottom in 114.30 x 44.45mm and outside framing box including cost of door closer ( 1 no. ) of Hyper made, heavy hinges ( 3 nos.), handle heavy ( 2 nos. ), heavy aldrop of 12" long for locking arrangement, stopper 8" long at top and round latch at inside etc. complete.	Sqm		
799	Providing and fixing Plywood with both faces teak finished 15 mm thick, indian teakwood batten for framing and ply boarders, 0.8 mm thick laminate sheets, 3-Hinges butt. I.S.I. Steel 7.5 cms. Length 16 gauge in one shutter, 1-S.S. Handle for doors/windows 10 cm size of ASIS 304 Grade for each shutter, Locks Godrej cupboard 3 ( 7.5 cms. ) for each cupboard, 1-S.S. Stopper 20 cm long of ASIS 304 for each shutter, other fixtures/materials like fevicol, screws, nails, 2-coat lapi-primer, 2-coat selacted colour oil paint finish for inside cupboard with 3-midracks at 0.45 mt. c/c making and fixing labour etc. required for wooden 2.20 mt. high cupboard complete work as per E.I.C.	Sqm		
800	Providing and applying glass fiber 145 GSM chicken mesh (150 mm wide) on all joints between brick work and R.C.C. with cement pest.	Rmt		

**ધોષણા પત્રક :**

૧. હું / અમે જાહેર કરું છું કે હું / અમે સાઈટની મુલાકાત લીધી છે અને આ ટેન્ડર સબમિટ કરતા પહેલા સામગ્રી, શ્રમ અને કામ સંબંધિત અન્ય પરિબળો સંબંધિત સ્થાનિક પરિસ્થિતિથી મારી જાતને / પોતાને પરિચિત કરી છે.
૨. હું / અમે જાહેર કરું છું કે મેં / અમે આ કાર્યના કરાર, વિશિષ્ટતાઓ અને અન્ય ટેન્ડર દસ્તાવેજોની કાળજી પુર્વક અભ્યાસ કર્યો છે અને તે મુજબ અમલ કરવા સંમત છું.

**કરાર કરનારના હસ્તાક્ષર :-**

**સરનામું :-**

**તારિખ :-**

**સ્થળ :-**

**નિયામકશ્રી  
એસ.વી.એન.આઈ.ટી., સુરત.**