RESTORATION OF STATE BANK OF INDIA'S MAIN BRANCH BUILDING (GRADE 1 HERITAGE BUILDING), CHENNAI				
ABSTRACT SUMMARY				
S.NO	**Description**	**Amount(Parts)**	**Total Amount**	**Remarks**
1	**PHASE I**			
Part A	**HERITAGE RESTORATION WORKS**			
I	DISMANTLING & DEMOLITION	7,71,676.31		
II	PLASTER WORK - REPAIRS, REPLASTERING AND POINTING	2,31,34,910.46		
III	CLEANING, PAINTING AND POLISHING	1,86,58,463.87		
IV	ROOF AND MASONRY WORK	1,96,74,761.90		
V	STONE WORKS	68,02,538.78		
	TOTAL AMOUNT (A)	**6,90,42,351.33**		
Part B	**CIVIL WORKS**			
I	DISMANTLING & DEMOLITION	29,36,742.84		
II	FLOORING	2,98,41,240.82		
IV	WATERPROOFING	10,43,154.45		
V	EXTERIOR WORKS	50,48,834.27		
VI	RESTORATION OF COURTYARDS	26,77,621.24		
	TOTAL AMOUNT (B)	**4,15,47,593.62**		
Part C	**CARPENTRY WORKS**			
	GROUND FLOOR CARPENTRY	26,90,094.50		
	FIRST FLOOR CARPENTRY	41,48,951.50		
	MEZZANINE CARPENTRY	3,78,845.00	**13,18,17,517**	
	SECOND FLOOR CARPENTRY	48,93,547.00		
	TERRACE CARPENTRY	14,89,049.20		
	TOTAL AMOUNT (C)	**1,36,00,487.20**		
Part D	**MECHANICAL, ELECTRICAL AND PLUMBING**			
A	**PLUMBING**	4,06,250.00		
B	**ELECTRICAL WORKS**			
I	ELECTRICAL PANEL-SMDB- OLD BLOCK, LSSB & LDB'S	4,51,936.00		
II	EARTHING MATERIALS	1,83,306.00		
III	L.T. CABLES	9,45,770.00		
IV	CABLE TERMINATION MATERIALS	11,946.00		
V	MISCELLANEOUS	11,69,650.00		
VI	LIGHTING ACCESSORIES(INTERNAL)	31,43,323.00		
VII	LIGHT FITTINGS & FANS(INTERNAL)	11,39,904.00		
VIII	LIGHTNING ARRESTER	1,75,000.00		
	TOTAL AMOUNT (D)	**76,27,085.00**		
	Total Amount excluding Tax		**13,18,17,517**	
Rupees : **Thirteen Crores eighteen lakhs seventeen thousand five hundred and seventeen Only**				

	Note
	GST will be paid extra as applicable
	The Quantities are tender purpose only actual qty may vary as per site condition
	This Specification is to be read along with CPWD/NBC
	The Tenderer should submit the percentage rate tender (below or above the estimated cost) in online etender portal only https://etender.sbi/

PART A - BOQ OF HERITAGE RESTORATION WORKS						
S.No	**DESCRIPTION**	**QTY**	**UNIT**	**RATE**	**AMOUNT**	**REMARKS**
	Note: **1) Tenderer to visit the Site prior to quoting for the Project.** **2) Contractor shall take all required permissions from the appropriate authorities for demolition, dismantling etc. and shall bear all the expenses for the same.** **3)Rate includes removal of all kinds of demolished construction debris, Lead & lift outside the site area, are to be considered to suit the local regulations, area etc.,** **4) Reusable materials such as glass,Wooden frames, wooden shutters, MS supports etc to be handed over to client instructed location/Store within the Site.** **5)scaffolding, staging, lifting, lowering, handling, and lead required for the proper execution at any height of the floor level and completion of all types of works. No additional payment, compensation, or claim whatsoever shall be entertained.**					
I	**DISMANTLING & DEMOLITION**					
1	Dismantling and removal of deteriorated **Madras terrace roofing and flooring**, including rafters and all associated structural components. Rate inclusive of all necessary additional jack supports, temporary supports, propping, and associated arrangements required at subsequent lower levels up to two stages (height upto 6.5m) during demolition works. The work shall include careful identification and documentation of existing conditions, systematic dismantling, and segregation of materials. The Serviceable materials shall be properly stacked and stored as directed, while unserviceable materials shall be removed and disposed of from the site in accordance with applicable guidelines. The rate shall include all necessary scaffolding, Labour, tools, equipment, as well as lift and lead for handling, transportation, and disposal of materials,cleaning of area complete in all respect as per direction of Engineer-in-Charge.					
i)	First Floor Level	**294.00**	Sqm	323.00	**94,962.00**	
ii)	Second Floor Level	**1151.00**	Sqm	323.00	**3,71,773.00**	
2	Dismantling **jack arch roofing and flooring** including brick masonry in arches, lime/cement concrete filling, steel joists/rafters (wherever required), and all associated components, complete.Rate inclusive of all necessary additional jack supports, temporary supports, propping, and associated arrangements required at subsequent lower levels up to two stages (height upto 6.5m) during demolition works.The work shall include careful identification and documentation of existing conditions, systematic dismantling, segregation of materials, The Serviceable materials shall be properly stacked and stored as directed, while unserviceable materials shall be removed and disposed of from the site in accordance with applicable guidelines. The rate shall be inclusive of all operations such as Labour, tools & plant, scaffolding, staging, loading, unloading, lift at all heights, lead to any distance, transportation, and disposal of debris, cleaning of area complete in all respects as per direction of Engineer-in-Charge.					
i)	Ground Floor Level	**480.26**	Sqm	431.00	**2,06,991.31**	
3	Dismantling and removal of **strong room door** (including frame, shutters, locking arrangements and all fixtures & fastenings) without causing any damage to the existing structure.The work shall include handling, lowering, and stacking of the door and its components within the premises at client said location as directed by the Engineer-in-Charge.The unserviceable materials shall be removed and disposed of from the site in accordance with applicable guidelines. The rate shall be inclusive of all operations such as Labour, tools & plant, cutting, loosening of anchorages, scaffolding (if required), loading, unloading, lift at all heights, and lead within the premises, complete in all respects.	**3**	No.s	10,000.00	**30,000.00**	
4	Dismantling **doors, windows and clerestory windows** of any type (steel or wood), **including frames** (chowkhats), shutters, architraves, holdfasts, fittings, fixtures, and all associated components, complete. The work shall be carried out carefully without damage to adjoining structures, and The work shall include handling, lowering, and stacking of the doors, windows and its components within the premises at locations as directed by the Engineer-in-Charge. The rate shall be inclusive of all operations such as labour, tools & plant, cutting, loosening of holdfasts, scaffolding, unloading, lift at all heights, and lead within the premises, complete in all respects.					
i)	area 3 sq. metres and below	**33.00**	No.s	800.00	**26,400.00**	

PART A - BOQ OF HERITAGE RESTORATION WORKS						
S.No	**DESCRIPTION**	**QTY**	**UNIT**	**RATE**	**AMOUNT**	**REMARKS**
ii)	area beyond 3 sq. metres	**11.00**	No.s	1,000.00	**11,000.00**	
5	Dismantling **door, window and clerestory window shutters only (excluding Frame)** of any type (steel or wood), including all fittings, fixtures, hinges, fastenings, and associated components, complete. The work shall be carried out carefully without damage to frames. The dismantled shutters shall be properly stacked within the premises as directed by the Engineer-in-Charge. The rate shall be inclusive of all operations such as labour, tools & plant, scaffolding, loading, unloading, lift at all heights, and lead within the premises, complete in all respects					
i)	area beyond 3 sq. metres	**47.00**	No.s	650.00	**30,550.00**	
	SUB TOTAL - I DISMANTLING & DEMOLITION WORKS				**7,71,676.31**	
II	**PLASTER WORK - REPAIRS, REPLASTERING AND POINTING**					
A	**DEPLASTERING OF LIME PLASTER**					
1	Careful dismantling of deteriorated plaster of thickness varying from 30mm to 60mm on walls and ceilings, including raking out joints and preparation of the surface by thoroughly cleaning and removing residues of old mortar to receive new plaster in lime mortar. The work shall be carried out without damaging the masonry surface. The rate shall include disposal of debris within the premises, including loading, unloading, lift at all heights, all labour, tools & plant, scaffolding for required height, and all incidental charges, complete in all respects as per direction of Engineer-in-Charge. **Note :** Replastering work shall be paid under BOQ Item PART A - II - B.					
a)	**On Ceiling**					
i)	Ground Floor Level (ht 3.8m to 6.00m)	**640.00**	sqm	108.00	**69,120.00**	
ii)	First Floor Level (ht 6.00m)	**850.40**	sqm	108.00	**91,843.20**	
iii)	Second Floor Level (ht 6.50m)	**801.48**	sqm	108.00	**86,559.84**	
iv)	Terrace (ht 4.00m)	**300.00**	sqm	108.00	**32,400.00**	
b)	**On Walls**					
i)	Ground Floor Level (ht 3.8m to 6.00m)	**3776.40**	sqm	108.00	**4,07,851.20**	
ii)	First Floor Level (ht 6.00m)	**5035.20**	sqm	108.00	**5,43,801.60**	
iii)	Second Floor Level (ht 6.50m)	**1423.90**	sqm	108.00	**1,53,781.20**	
iv)	Terrace (ht 4.00m)	**1085.00**	sqm	108.00	**1,17,180.00**	
c)	**Balcony**					
i)	First Floor Level	**875.40**	sqm	108.00	**94,543.20**	
ii)	Second Floor Level	**1856.80**	sqm	108.00	**2,00,534.40**	
B	**REPLASTERING**					
1	Providing and applying lime plaster in Ceiling and Wall with Lime mortar 1:3 (1 part slaked lime : 3 parts coarse sand) on ceilings, laid in three coats, viz., base coat, intermediate coat, and finishing coat, to achieve an average thickness of 15 mm, finished even and smooth to match the existing plaster, complete as per direction of Engineer-in-Charge. The Ceiling and Wall surface shall be prepared by thoroughly brushing to remove dust and loose particles, raking out joints where required, and properly wetting the surface before application of plaster. The work shall include preparation of lime mortar using properly slaked and matured lime, application in layers with proper curing between coats, finishing to required line, level and surface, and final curing. The rate shall be inclusive of cost of all materials, labour, tools & plant, scaffolding at required height, curing, lift at all heights, lead of materials, and all incidental charges, complete in all respects.					
a)	**On Ceiling**					
i)	Ground Floor Level (ht 3.8m to 6.00m)	**640.00**	sqm	1,184.00	**7,57,760.00**	
ii)	First Floor Level (ht 6.00m)	**850.40**	sqm	1,184.00	**10,06,873.60**	
iii)	Second Floor Level (ht 6.50m)	**801.48**	sqm	1,184.00	**9,48,952.32**	
iv)	Terrace (ht 4.00m)	**300.00**	sqm	1,184.00	**3,55,200.00**	
b)	**On Walls**					
i)	Ground Floor Level (ht 3.8m to 6.00m)	**3776.40**	sqm	1,130.00	**42,67,332.00**	
ii)	First Floor Level (ht 6.00m)	**5035.20**	sqm	1,130.00	**56,89,776.00**	
iii)	Second Floor Level (ht 6.50m)	**1423.90**	sqm	1,130.00	**16,09,007.00**	
iv)	Terrace (ht 4.00m)	**1085.00**	sqm	1,130.00	**12,26,050.00**	
c)	**Balcony**					
i)	First Floor Level	**875.40**	sqm	1,130.00	**9,89,202.00**	
ii)	Second Floor Level	**1856.80**	sqm	1,130.00	**20,98,184.00**	

PART A - BOQ OF HERITAGE RESTORATION WORKS						
S.No	**DESCRIPTION**	**QTY**	**UNIT**	**RATE**	**AMOUNT**	**REMARKS**
C	**REPOINTING**					
1	Raking out joints of stone masonry surface at at Level of height to the required width and depth, with due care and precaution, by manual means, including preparing and cleaning the surface for re-pointing/ refilling of joints, The rate shall be inclusive of cost of labour, tools & plant, scaffolding at required height, and including disposal of rubbish and carting away from the premises as complete in all respects. **Note :** The quoted rate is applicable only for raking out of joints. Repointing work shall be measured and paid separately under the BOQ item PART A- II-C.					
i)	All Floor Level	**543**	Sqm	85.00	**46,195.65**	
2	Providing and applying of ruled/flush pointing on exposed brick masonry surfaces using lime, surkhi and marble dust mortar in the proportion of 1:1.5:0.5 (1 part lime : 1.5 parts surkhi comprising 50% red surkhi and 50% light yellow surkhi : 0.5 part marble dust), complete as per direction of Engineer-in-Charge. The rate shall be inclusive of cost of all materials, labour, tools & plant, scaffolding at required height, curing, lift at all heights, lead of materials, and all incidental charges, complete in all respects.					
	INTERNAL EXPOSED SURFACES					
i)	First Floor Level	**950**	sqm	385.00	**3,65,753.85**	
ii)	Second Floor Level	**1606**	sqm	390.00	**6,26,340.00**	
	EXTERNAL EXPOSED SURFACES					
i)	Ground Floor Level	**1129**	sqm	385.00	**4,34,753.55**	
ii)	First Floor Level	**1566**	sqm	390.00	**6,10,876.50**	
iii)	Second Floor Level	**122.53**	sqm	395.00	**48,399.35**	
iv)	Terrace Floor Level	**641.6**	sqm	400.00	**2,56,640.00**	
SUB TOTAL II - PLASTER WORK - REPAIRS, REPLASTERING AND POINTING					**2,31,34,910.46**	
III	**CLEANING, PAINTING AND POLISHING**					
A	**CLEANING WORKS**					
1	Cleaning of **exposed stone / cast iron surface** of sticking material including loose and foreign material, by preliminary basic cleaning/scrubbing, followed by sand blasting with coarse sand and subsequent cleaning with oil-free compressed air blast, complete in all respects, including taking all precautions to safeguard ventilators, windows, doors etc. by suitable covering so as to avoid any damage to the building/ structure. The rate shall be inclusive of cost of labour, tools & plant, scaffolding at required height, and including disposal of rubbish and carting away from the premises as complete in all respects.					
i)	First Floor Level	**183**	sqm	345.00	**63,200.55**	
ii)	Second Floor Level	**232**	sqm	345.00	**80,064.15**	
2	Cleaning the **stone surface** by water wash and removing dirt, dust, bird dropping, grease, oil, algae, fungus, monkey beats, vegetable growth etc., including providing, applying and washing the surface with water with the help of required scrubbers where ever required, without causing any scratching/ damage to the stone surface and finally washing the surface with clean water with the help of pressure jet machine, complete in all respect, including taking all precautions to safeguard ventilators, windows, doors etc. by suitable covering so as to avoid any damage to the building/ structure, all as per direction of Engineer-in-charge. The rate shall be inclusive of cost of all materials, labour, tools & plant, scaffolding at required height, curing, lift at all heights, lead of materials, and all incidental charges, complete in all respects.					
i)	Ground Floor Level	**605**	sqm	150.00	**90,808.50**	
ii)	First Floor Level	**1822**	sqm	150.00	**2,73,300.00**	
iii)	Second Floor Level	**1219**	sqm	150.00	**1,82,850.00**	
iv)	Terrace Floor Level	**12552**	sqm	150.00	**18,82,800.00**	
3	Scraping and removal of **existing paint/coating from existing steel rafters** and purlins by abrasive sandblasting by hot air gun, including preliminary scraping and removal of loose paint, dirt, rust, scale and other foreign materials to achieve a clean and make surface suitable for new painting work.The work shall be carried out neatly and carefully, including all necessary precautions to protect the existing structure and adjacent elements from damage or contamination during the work. The rate shall be inclusive of cost of all materials, labour, tools & plant, scaffolding at required height, curing, lift at all heights, lead of materials, and all incidental charges, complete in all respects.					
i)	First Floor Level	**248.51**	Sq.m.	132.00	**32,803.32**	
ii)	Second Floor Level	**8.52**	Sq.m.	132.00	**1,124.33**	

PART A - BOQ OF HERITAGE RESTORATION WORKS						
S.No	**DESCRIPTION**	**QTY**	**UNIT**	**RATE**	**AMOUNT**	**REMARKS**
4	Scrapping and removal of painting on **existing wooden rafters and purlins** by manual/mechanical methods, including preliminary removal of loose, flaking and peeling paint, dirt, dust and other foreign materials to achieve a clean and make surface suitable for new painting work.The work shall be carried out neatly and carefully, including all necessary precautions to protect the existing structure and adjacent elements from damage or contamination during the work. The rate shall be inclusive of cost of all materials, labour, tools & plant, scaffolding at required height, curing, lift at all heights, lead of materials, and all incidental charges, complete in all respects.					
i)	First Floor Level	**1217.42**	Sq.m.	132.00	**1,60,699.44**	
ii)	Second Floor Level	**412.20**	Sq.m.	132.00	**54,410.40**	
5	Removal of algae, lichen, mosses etc covered over stone surface, wall, roof area concrete with knife blades, spatula and stiff bristle or soft wire brushes.Spray Ammonium based biocide/ asafoetida as mentioned in the technical spec. Let dry for a week, brush off as much dead growth as possible and spray again.The work shall include Scaffolding,removal of vegetation, washing of surfaces, minor grouting of joints with lime mortar wherever required, and proper disposal of debris, all necessary materials, labours,transportation and supports complete etc.,	**123**	sq.m	4,130.00	**5,08,403.00**	
6	Manual removal of vegetation (major trees, climbing plants, creepers) from walls, columns, arches, floor etc in a skilled and careful manner, using appropriate tools and means and without causing any damage to the adjoining parts as directed by the engineer or architect in charge. The exposed surfaces will be coated with a paste made from ammonium sulphamate crystals or with "Tree killer" available in market. In this condition the root system may be left to absorb and die. Large sections of dead wood must not be left within the core. As they decay they will remove support and create voids and weaknesses in the wall. But pull off a well - established mat of vegetation must be resisted. Tamping, grouting, pointing and resetting of brick / stones especially on wall top, must all be anticipated as remedial work.					
i)	First Floor Level	**15.00**	each	3,000.00	**45,000.00**	
ii)	Second Floor Level	**22.00**	each	3,000.00	**66,000.00**	
iii)	Terrace	**30.00**	each	3,000.00	**90,000.00**	
7	Providing **surface grouting on terrace** before attending water proofing work after cleaning the terrace surface by high pressure air compressor to expose the micro cracks on terrace and then by using lime based slurries with pozzolona additives(brick powder surkhi) including cost of Killick Nixon low pressure grout pump as specification. The rate shall be inclusive of cost of all materials, labour, tools & plant, scaffolding, curing, lift at all heights, lead of materials, and all incidental charges, complete in all respects. Note: The payment shall be made on the basis of actual area of approved grout injected.	**408.88**	sqm	377.00	**1,54,147.38**	
B	**PAINTING WORKS**					
8	Providing surface grouting on **wall surfaces, and ceilings**(wherever necessary) before attending plastering, painting/clear coat of exposed brick surface after cleaning the surface by high water pressure to expose the micro cracks on the surface and then by using lime based slurries with pozzolona additives(brick powder surkhi) including cost of Killick Nixon low pressure grout pump as specification. The rate shall be inclusive of cost of all materials, labour, tools & plant, scaffolding, curing, lift at all heights, lead of materials, and all incidental charges, complete in all respects. **Note:** The payment shall be made on the basis of actual area of approved grout injected	**408.88**	sq.m	377.00	**1,54,147.76**	

PART A - BOQ OF HERITAGE RESTORATION WORKS						
S.No	**DESCRIPTION**	**QTY**	**UNIT**	**RATE**	**AMOUNT**	**REMARKS**
9	Supply and application of **red oxide zinc chromate primer** of approved brand ((Asian/Nippon/Berger) , conforming to the relevant specifications and standards, on prepared steel, galvanized iron/steel works as the first coat, including basic reparation of the surface, mixing and application of the primer in accordance with the manufacturer's recommendations, to achieve a uniform and continuous coating.The work shall be carried out neatly and carefully, taking all necessary precautions to protect the existing structure, roof, walls, flooring, wooden members, ventilators, windows, doors and other adjacent surfaces from damage, staining by providing suitable protective coverings and masking as required. The rate shall be inclusive of cost of all materials, labour, tools & plant, scaffolding, curing, lift at all heights, lead of materials, and all incidental charges, complete in all respects.					
i)	First Floor Level	**1438.38**	sqm	163.00	**2,34,455.94**	
ii)	Second Floor Level	**1594.11**	sqm	163.00	**2,59,839.93**	
10	Providing and applying **breathable emulsion-based paint** of approved brand ((Asian/Nippon/Berger) and approved shade to **ceilings**, including preparation of the existing ceiling surface by thorough scrubbing, water washing and final cleaning to remove dust, dirt, loose material and other foreign matter, and making the surface suitable for painting. The work shall include application of one coat of suitable penetrating primer followed by two coats of approved silk emulsion paint, as required, to achieve a uniform, smooth and even shade and colour.The work shall be carried out neatly and carefully, taking all necessary precautions to protect the existing structure, walls, flooring, doors, windows, fixtures, fittings and other adjacent surfaces from damage, staining or paint splashes by providing suitable protective coverings and masking as required. The rate shall be inclusive of cost of all materials, labour, tools & plant, scaffolding, curing, lift at all heights, lead of materials, and all incidental charges, complete in all respects.					
i)	First Floor Level	**1162.70**	Sq.m.	600.00	**6,97,620.00**	
ii)	Second Floor Level	**1031.63**	Sq.m.	600.00	**6,18,978.00**	
11	Providing and applying **one coat of ready-mixed grey primer** of approved brand and manufacture on **new woodwork**, including both hard and soft wood, after proper preparation of the surface by cleaning, rubbing down, sanding and removal of dust, dirt, loose fibres and other foreign matter, to obtain a clean, smooth and suitable surface for subsequent painting. The primer shall be applied evenly and uniformly in accordance.The work shall be carried out neatly and carefully, taking all necessary precautions to protect the existing structure, walls, flooring, doors, windows, fixtures, fittings and other adjacent surfaces from damage, staining or paint splashes by providing suitable protective coverings and masking as required. The rate shall be inclusive of cost of all materials, labour, tools & plant, scaffolding, curing, lift at all heights, lead of materials, and all incidental charges, complete in all respects.					
i)	First Floor Level	**1217.42**	Sq.m.	134.00	**1,63,134.28**	
ii)	Second Floor Level	**1318.82**	Sq.m.	134.00	**1,76,721.88**	
12	Providing and applying **synthetic enamel paint on old woodwork**,which inlcudes treated with an approved anti-termite chemical of approved brand and treating of Minor cracks, holes and imperfections shall be suitably filled and made good as required. Thereafter, applying one coat of ready-mixed grey primer of approved brand and manufacture, followed by two coats of approved brand and manufacture of synthetic enamel paint of approved shade and colour, or as otherwise specified, to achieve a smooth, uniform and even finish.					
	Two or more coats on old work					
i)	First Floor Level	**3785.93**	Sqm	210.00	**7,95,045.30**	
ii)	Second Floor Level	**1915.21**	Sqm	210.00	**4,02,194.10**	

PART A - BOQ OF HERITAGE RESTORATION WORKS						
S.No	**DESCRIPTION**	**QTY**	**UNIT**	**RATE**	**AMOUNT**	**REMARKS**
13	Providing and applying **breathable emulsion-based paint** of approved brandd ((Asian/Nippon/Berger) and approved shade to **Plastered Wall Surface** , including preparation of the existing surface by thorough scrubbing, water washing and final cleaning to remove dust, dirt, loose material and other foreign matter, and making the surface suitable for painting. The work shall include application of one coat of suitable penetrating primer followed by two coats of approved silk emulsion paint, as required, to achieve a uniform, smooth and even shade and colour.The work shall be carried out neatly and carefully, taking all necessary precautions to protect the existing structure, walls, flooring, doors, windows, fixtures, fittings and other adjacent surfaces from damage, staining or paint splashes by providing suitable protective coverings and masking as required. The rate shall be inclusive of cost of all materials, labour, tools & plant, scaffolding, curing, lift at all heights, lead of materials, and all incidental charges, complete in all respects.					
i)	Ground Floor Level	**3776.40**	Sq.m.	550.00	**20,77,020.00**	
ii)	First Floor Level	**5035.20**	Sq.m.	550.00	**27,69,360.00**	
iii)	Second Floor Level	**1423.90**	Sq.m.	550.00	**7,83,145.00**	
14	Providing and applying **breathable emulsion-based paint** of approved brand (Zydex/Novosil/Keim paints) and approved shade to **Unplastered Internal Wall Surface** , including preparation of the existing surface by thorough scrubbing, water washing and final cleaning to remove dust, dirt, loose material and other foreign matter, and making the surface suitable for painting. The work shall include application of one coat of suitable penetrating primer followed by two coats of approved silk emulsion paint, as required, to achieve a uniform, smooth and even shade and colour.The work shall be carried out neatly and carefully, taking all necessary precautions to protect the existing structure, walls, flooring, doors, windows, fixtures, fittings and other adjacent surfaces from damage, staining or paint splashes by providing suitable protective coverings and masking as required. The rate shall be inclusive of cost of all materials, labour, tools & plant, scaffolding, curing, lift at all heights, lead of materials, and all incidental charges, complete in all respects.					
i)	First Floor Level	**950**	sqm	517.00	**4,91,155.17**	
ii)	Second Floor Level	**1606**	sqm	517.00	**8,30,302.00**	
15	Providing and applying three coats of approvedwater repellent silicon based protective coating (transparent /clear color) in colour, of approved brand, by brush or spray on clean and dry **external exposed brick surfaces** until complete saturation, to reduce water absorption while retaining the original appearance and character of the heritage brickwork. Surface preparation shall include gentle scrubbing, water washing wherever required and final cleaning. The rate shall include all materials, labour, scaffolding, tools & plant, surface preparation, protective coverings and all incidental charges, complete in all respects and as directed by the Engineer-in-Charge.					
i)	Ground Floor Level	**1129**	sqm	200.00	**2,25,846.00**	
ii)	First Floor Level	**1566**	sqm	200.00	**3,13,270.00**	
iii)	Second Floor Level	**122.53**	sqm	200.00	**24,506.00**	
iv)	Terrace Floor Level	**641.6**	sqm	200.00	**1,28,320.00**	
16	Carefully removing multiple layers of **existing paint** from ornamental pilasters, capitals and mouldings of pillars at **first-floor level**, without damaging the existing historic stucco, and restoring damaged / missing portions with lime plaster of the same specification as the existing stucco, matching the existing style, design intent, dimensions, profiles, proportions, texture and finish. The work shall include careful surface preparation, making good, scaffolding, protection of adjacent surfaces, and all necessary materials, labour, tools & plant and incidental charges, complete in all respects as directed by the Engineer-in-Charge.	**250.00**	sqm	431.00	**1,07,750.00**	
17	Repair and restoration of **cornice** using compatible lime plaster/stucco of the same specification as the existing, matching the original design, style, dimensions, profiles, proportions, texture and finish, including careful removal of loose/damaged portions, surface preparation, making good, scaffolding, protection of adjacent surfaces and all necessary materials, labour, tools & plant and incidental charges, complete in all respects as directed by the Engineer-in-Charge	**173.57**	Rmt	1,292.00	**2,24,252.44**	

PART A - BOQ OF HERITAGE RESTORATION WORKS						
S.No	**DESCRIPTION**	**QTY**	**UNIT**	**RATE**	**AMOUNT**	**REMARKS**
C	**POLISHING WORKS**					
	Finishing New/old woodwork, including frames and shutters, with clear natural melamine polish of approved brand and manufacture, including the following methodology: **Scraping:** Carefully scrape and remove all loose, peeling, flaking and deteriorated existing paint/polish without damaging the existing wood surface. **Grinding & Sanding:** Grind and sand the surface using suitable emery paper, progressively from 80/100 grit, 120 grit, 180 grit and finally 220/240 grit, or as required, to obtain a smooth and uniform surface. **Cleaning:** Thoroughly clean the surface and remove all dust, dirt, grease and sanding residue using clean, dry cloth/brush and suitable methods. **Wood Filler:** Fill minor holes, cracks, joints and surface imperfections with approved compatible wood filler, wherever required, and allow to dry, followed by final sanding with 220/240 grit emery paper. **Melamine Sealer:** Apply approved make/brand melamine sealer, compatible with the proposed melamine polish, by skilled brush or spray application, as appropriate to the surface and approved by the Engineer-in-Charge. Allow adequate drying and carry out light sanding with 220/240 grit emery paper between coats, wherever required. **Melamine Polish:** Apply two or more coats of approved make/brand clear natural melamine polish, compatible with the sealer, by skilled brush or spray application, as appropriate and approved by the Engineer-in-Charge. Allow adequate drying between coats and carry out light sanding with fine emery paper wherever required. **Final Finish:** Complete the surface to achieve a smooth, uniform and even half-matt/half-gloss (suede) finish, free from runs, brush marks, patches, dust inclusions and other surface defects. The melamine sealer and polish shall be of an approved paint (Asian, Nippon, Berger) and shall be applied strictly in accordance with the manufacturer's recommendations. The rate shall include all materials, labour, emery paper, wood filler, tools & plant, scaffolding/access, protection of adjacent surfaces and existing elements, cleaning and disposal of debris, and all incidental charges, complete in all respects as directed by the Engineer-in-Charge **Note :** Necessary Detail Dwg need to be followed					
a)	**Ground Floor Level**					
i)	D1 - Fixed Glass+ Panelled Door -Single swing shutter(0.762m x 2.667m)	**2**	No.s	9,625.00	**19,250.00**	
ii)	DD3 - Fully Paneled Door-Double Swing shutter(1.448mx2.338m)	**3**	No.s	16,034.00	**48,102.00**	
iii)	DD4 - Fully Paneled Door-Double Swing Glazed shutter(1.448mx2.338m)	**1**	No.s	16,034.00	**16,034.00**	
iv)	W0 - Louvered(0.836X2.286)	**9**	No.s	12,651.00	**1,13,859.00**	
v)	W1 - Fixed glazed(0.910 x 1.067m)	**8**	No.s	2,979.00	**23,832.00**	
vi)	W1a - Fixed panelled&glazed(0.910 x 2.286m)	**1**	No.s	7,837.00	**7,837.00**	
vii)	W3 - Fixed glazed (1.143 x 1.296)	**6**	No.s	4,544.00	**27,264.00**	
viii)	W5 - Fixed glazed (1.372 x 2.210)	**4**	No.s	9,302.00	**37,208.00**	
ix)	PW2 - Paneled window (1.448 x 1.271)	**10**	No.s	12,183.00	**1,21,830.00**	
x)	V - Ventilator (0.910 x 0.910)	**3**	No.s	7,660.00	**22,980.00**	
b)	**First Floor Level**					
i)	DD1 Stained Glass + Paneled - Double Swing shutter 1.143x2.591	**2**	No.s	17,708.00	**35,416.00**	
ii)	DD2 Paneled - Double Swing shutter 1.219 x 2.210	**4**	No.s	12,759.00	**51,036.00**	
iii)	DD3 - Stained Glass + Paneled - Double Swing shutter 1.448x2.667	**40**	No.s	16,034.00	**6,41,360.00**	
iv)	W1 - Fixed lead Glass+ louvered shutter +glazed shutter (Double Shutter) 0.910 x 1.524	**10**	No.s	4,254.00	**42,540.00**	
v)	W2 - Fixed lead Glass+ louvered shutter +glazed shutter (Double Shutter) 0.966 x 2.134	**2**	No.s	7,766.00	**15,532.00**	
vi)	W3 - Fully panelled glazed Shutter 1.067x2.134	**14**	No.s	8,578.00	**1,20,092.00**	
vii)	W3a - Fully panelled Shutter 1.067x2.134	**1**	No.s	10,784.00	**10,784.00**	
viii)	W4 - Glazed Shutter 1.067x2.134	**6**	No.s	6,985.00	**41,910.00**	
ix)	W5 - Glazed Shutter 1.067x2.134	**2**	No.s	6,985.00	**13,970.00**	

PART A - BOQ OF HERITAGE RESTORATION WORKS						
S.No	**DESCRIPTION**	**QTY**	**UNIT**	**RATE**	**AMOUNT**	**REMARKS**
x)	W6 - Stained Glass+ louvered shutter +Fully Panelled shutter (Double Shutter) 1.372x2.057	**12**	No.s	8,658.00	**1,03,896.00**	
xi)	W7 - Fixed Glass + Fully panelled Shutter -2.134x3.040	**6**	No.s	24,440.00	**1,46,640.00**	
xii)	W8 - Fixed Louver + Fully panelled Shutter - 2.134x3.040	**3**	No.s	30,725.00	**92,175.00**	
xiii)	W9 - Fixed Glass + Fully panelled Shutter - 2.972*3.810	**4**	No.s	53,629.00	**2,14,516.00**	
xiv)	D1 - Fully Panelled Door-Single Swing shutter 1.219 X 2.286	**1**	No.s	12,759.00	**12,759.00**	
xv)	FG1 - Coloured Fixed Glass 1.067 x 4.877	**4**	No.s	8,526.00	**34,104.00**	
xvi)	V- Louvered ventilator .914x.914	**4**	No.s	3,147.00	**12,588.00**	
c)	**MEZZANINE FLOOR**					
i)	Ventilator- Stained Fixed Glass	**17**		2,563.00	**43,571.00**	
	Second Floor Level					
i)	D1 - Fully Panelled Door-Single Swing shutter	**3**	No.s	9,625.00	**28,875.00**	
ii)	DD1 - Fully Panelled Door -Double swing shutter - 1.067x2.134	**1**	No.s	10,784.00	**10,784.00**	
iii)	DD2 - Fully Panelled Door -Double swing shutter	**4**	No.s	12,759.00	**51,036.00**	
iv)	DD3 - Stained Glass + Panelled - Double Swing shutter	**44**	No.s	16,034.00	**7,05,496.00**	
v)	DD4 - Fully Panelled - Double Swing shutter - 1.981*2.438	**1**	No.s	16,034.00	**16,034.00**	
vi)	W0 - Fixed glass + Fully Panelled Window -Double Swing shutter .864x2.134	**4**	No.s	12,651.00	**50,604.00**	
vii)	W1 - Fixed glass + Fully Panelled Window -Double Swing shutter 1.065x1.372	**1**	No.s	5,505.00	**5,505.00**	
viii)	W2 - Fixed glass + Fully Panelled Window -Double Swing shutter - 1.067*1.361	**4**	No.s	4,447.00	**17,788.00**	
ix)	W3 - Fixed stained glass + Fully Panelled Window -Double Swing shutter 1.067*1.375	**5**	No.s	6,920.00	**34,600.00**	
x)	W4/FG - Fixed glass + Fully Panelled Window -Double Swing shutter 1.067*1.968	**6**	No.s	9,927.00	**59,562.00**	
xi)	W5 - Fixed glass + Fully Panelled Window -Double Swing shutter 1.217*1.372	**4**	No.s	7,908.00	**31,632.00**	
xii)	W6 - Fixed glass + Fully Panelled Window -Double Swing shutter 1.219*2.507)	**12**	No.s	14,474.00	**1,73,688.00**	
xiii)	W7 - Fixed stained Glass + louvered shutter + glazed shutter (Double Shutter) - 1.676x1.168	**8**	No.s	6,005.00	**36,030.00**	
xiv)	W8 - Fixed stained Glass + louvered shutter + glazed shutter (Double Shutter) 1.372x3.198	**4**	No.s	13,460.00	**53,840.00**	
xv)	W9 - Fixed stained Glass + louvered shutter + glazed shutter (Double Shutter) - 1.522*1.219	**1**	No.s	5,692.00	**5,692.00**	
xvi)	W10 - Fixed stained Glass + louvered shutter + glazed shutter (Double Shutter) - 2.362x2.123	**4**	No.s	15,383.00	**61,532.00**	
xvii)	W11 - Fixed stained Glass + louvered shutter + glazed shutter (Double Shutter) 2.362*1.448	**2**	No.s	10,492.00	**20,984.00**	
xviii)	V - Louvered ventilator	**2**	No.s	13,459.00	**26,918.00**	
xix)	FG - Coloured Fixed Glass (frames)	**4**	No.s	8,526.00	**34,104.00**	
	SUB TOTAL III - CLEANING, PAINTING AND POLISHING				**1,86,58,463.87**	

PART A - BOQ OF HERITAGE RESTORATION WORKS						
S.No	**DESCRIPTION**	**QTY**	**UNIT**	**RATE**	**AMOUNT**	**REMARKS**
IV	**ROOF AND MASONRY WORK**					
A	**ROOFING WORKS**					
1	Providing and laying **250 mm thick jack arch roof** over existing rolled steel joists (RSJ), consisting of brick masonry in gauged arches for spans up to 7.0 metres, using common burnt clay F.P.S. (non-modular) bricks of class designation 7.5 in lime mortar 1:1:1 (1 part lime : 1 part surkhi : 1 part fine sand), including use of "Kafgi" type lime mortar mix, complete as per approved drawings and CPWD specifications and direction of Engineer-in-Charge.The work shall include centering and shuttering/formwork, proper laying of bricks in arches, provision of tie rods where required. The rate shall be inclusive of cost of all materials, labour, tools & plant, scaffolding/staging upto two floor Levels, centering, curing, lift at all heights, lead of materials, and all incidental charges, complete in all respects. Note : The quoted rate is excluding Rolled Steel Joists.					
i)	Ground Floor Level - Floor ht - 3.87m	**240**	Sqm	4,995.00	**11,99,399.40**	
2	Providing and laying **Madras terrace roof** using brick on edge and size: 15x7.50x2.50cms. terrace bricks in lime mortar 1:1.5, 75mm thick brick jelly concrete cost of all materials and labour etc. all complete but excluding wooden rafters and tiles. The work shall be executed to match the existing construction in respect of its original style, materials, design intent, dimensions, thickness, levels, slopes if any, bonding pattern, jointing, profiles, texture and finish, as applicable.The existing building detail shall have precedence over the other standard details provided in the technical specifications unless otherwise as mentioned above. Note : The quoted rate is excluding Wooden Rafter and tiles work,The Item shall be measured and paid separately under the BOQ item Part A- IV - 3.					
i)	First Floor Level - Floor ht - 6.32m	**293.84**	Sq.m.	5,000.00	**14,69,194.10**	
ii)	Second Floor Level - Floor ht - 5.44m	**1082.02**	Sq.m.	5,000.00	**54,10,117.35**	
3	Supplying, fabricating and fixing **well-seasoned second-class teak wood**, matching the existing rafters in type, dimensions, section, grain, profile, alignment and workmanship, including cutting, shaping and preparation for fixing; packing, levelling and bearing preparation at rafter ends; making necessary holes, recesses and openings; fixing the new rafters true to the existing alignment, line, level and slope; grouting and making good around rafter ends with compatible lime mortar; temporary supports and all necessary arrangements for safe fixing. The rate shall include all necessary materials, labour, tools & plant, leads, lifting, handling, supports, scaffolding/access and all incidental charges, complete in all respects as directed by the Engineer-in-Charge/Conservation Consultant. **Basic cost of teak wood : Rs. / cum.** Note: The existing building construction and original details shall take precedence, and the new rafters shall match the existing construction in respect of style, material, design intent, dimensions, section, profile, texture and finish, as applicable.					
i)	First Floor Level - Floor ht - 6.32m	**7.61**	Cum	2,11,884.00	**16,12,437.24**	
ii)	Second Floor Level - Floor ht - 5.44m	**29.98**	Cum	2,11,884.00	**63,52,282.32**	

PART A - BOQ OF HERITAGE RESTORATION WORKS						
S.No	**DESCRIPTION**	**QTY**	**UNIT**	**RATE**	**AMOUNT**	**REMARKS**
4	Providing and laying **two courses of flat clay** tiles for Madras terrace floor levelling, laid in approved lime mortar 1:2, including surface preparation, proper bedding, levelling, alignment, jointing, finishing and curing, complete.The work shall include centering and shuttering/formwork, proper laying of bricks in arches, provision of tie rods where required. The work shall be executed to match the existing Madras terrace construction in respect of the original style, materials, tile size and thickness, laying pattern, levels, slopes, jointing, texture and finish, as applicable.**The Basic cost of Clay tile : Rs.430.00/Sqm** The rate shall include all necessary materials, labour, tools & plant, leads, lifting, handling, supports, scaffolding/access and staging upto two floor Levels all incidental charges, complete in all respects as directed by the Engineer-in-Charge.					
i)	First Floor Level	**293.84**	Sq.m.	838.00	**2,46,236.93**	
ii)	Second Floor Level	**1082.02**	Sq.m.	838.00	**9,06,735.67**	
B	**MASONRY WORK**					
5	Traditional brick masonry for parapets with custom made/double bull nose bricks in lime mortar in proportion similar to the existing traditional lime mortar 1:1:1 (lime :1 sand : 1surkhi) Note: The cost may change from region to region due to change in rate of customized bricks.					
i)	First Floor Level	**6.07**	cu.m	12,361.00	**75,031.27**	
ii)	Second Floor Level	**11.09**	cu.m	12,361.00	**1,37,083.49**	
6	For Restoration of the courtyard - Traditional brick masonry for parapets with custom made/double bull nose bricks in lime mortar in proportion similar to the existing traditional lime mortar 1:1:1 (lime :1 sand : 1surkhi) Note: The cost may change from region to region due to change in rate of customized bricks.	**15.33**	cu.m	12,361.00	**1,89,494.13**	
7	Making holes in walls up to 30 cm × 30 cm in size, including careful cutting and removal in masonry without damaging the surrounding structure, and making good the same after completion of work with common burnt clay F.P.S. (non-modular) bricks in lime mortar 1:2 (1 part lime : 2 parts sand), complete as per direction of Engineer-in-Charge The work shall include dressing of edges, rebuilding of masonry, finishing of brick joints with lime mortar to match the existing work, curing, and all necessary operations to restore the surface to original condition. The rate shall be inclusive of cost of all materials, labour, tools & plant, scaffolding, lift at all heights, lead of materials, and all incidental charges, complete in all respects.	**5850**	sqm	355.00	**20,76,750.00**	
	SUBTOTAL IV - ROOF AND MASONRY WORK				**1,96,74,761.90**	
V	**STONE WORKS**					
1	Supplying and fixing of Stone balusters as per existing pattern. The rate include making the hole, fixing the new stone as per alighnment,grouting with lime mortar ,all necessary materials, lead, Labour and supports complete etc., All details drawing should be followed. Note : Necessary Detail Dwg need to be followed for the size, shape and other details .	**40**	Each	15,000.00	**6,00,000.00**	
2	Supplying and fixing of sunshade stone brackets as per existing pattern . The rate include , making the hole removal of damaged stone without damaging the structure, fixing the new stone as per alighnment,grouting with lime mortar all necessary materials, lead , Labour and supports complete etc., All details drawing should be followed. Note : Necessary Detail Dwg need to be followed for the size, shape and other details .	**190**	Each	6,750.00	**12,82,500.00**	
3	Provision for exposing crack and stitching the crack after necessary hole drilling and fixing with fasteners for inserting the SS clamp made-up of 10mm dia rod of length 0.75mtr bent into "U" shape and grouting the hole using fine lime mortar or any binder material to achieve the firmness and fixity including cost of all materials, machineries and Labours as per the directions of Engineer in charge.					
i)	Stitching of domes	**50**	Nos	684.00	**34,200.00**	
ii)	walls of balcony FFB-01 & FFB-02	**20**	Nos	684.00	**13,680.00**	
iii)	FF-18	**6**	Nos	684.00	**4,104.00**	

PART A - BOQ OF HERITAGE RESTORATION WORKS						
S.No	**DESCRIPTION**	**QTY**	**UNIT**	**RATE**	**AMOUNT**	**REMARKS**
4	Supplying and fixing of **Cuddapah stone sunshade 30mm thick** as per existing pattern . The rate include , making the hole removal of damaged stone without damaging the structure, fixing the new stone as per alighnment,grouting with lime mortar all necessary materials, lead , Labour and supports complete etc., **Basic cost of cuddapah Stone : Rs.550.00/Sqm** Note : Necessary Detail Dwg need to be followed for the size, shape and other details.	**304.88**	Rm	3,840.00	**11,70,731.71**	
5	Supplying and fixing of cornice as per existing pattern . The rate include , making the hole removal of damaged stone without damaging the structure, fixing the new stone as per alighnment,grouting with lime mortar as per technical Specification all necessary materials, lead , Labour and supports complete etc., Note : Necessary Detail Dwg need to be followed for the size, shape and other details .	**150.00**	Each	6,750.00	**10,12,500.00**	
6	Supplying and fixing of stone ornamental railings of required size and shape in steps, balcony and towers. Rate including cutting the damaged stone piece ,and pasting the new stone as per old pattern, material,labour,machinery,transportation,lead complete etc., Note : Necessary Detail Dwg need to be followed for the size, shape and other details .	**525.30**	Rm	3,500.00	**18,38,567.07**	
7	Supplying and fixing of stone ornamental pieces of required size and shape in steps, balcony and towers. Rate including cutting the damaged stone piece ,and pasting the new stone as per old pattern, material,labour,machinery,transportation,lead complete etc., Note : Necessary Detail Dwg need to be followed for the size, shape and other details .	**100.00**	Nos	5,000.00	**5,00,000.00**	
8	Supplying and fixing of parapet stone as per existing pattern approved by Bank/Architect. The rate include ,making the hole and remove the old stone, fixing the new stone as per alighnment,grouting with lime mortar all necessary materials, labours, transportations and supports complete etc., Note : Necessary Detail Dwg need to be followed for the size, shape and other details .	**38.00**	Each	9,112.00	**3,46,256.00**	
SUB TOTAL V - STONE WORKS					**68,02,538.78**	
SUB TOTAL - HERITAGE RESTORATION WORKS					**6,90,42,351.33**	

PART B - BOQ FOR CIVIL WORKS						
S.No	**DESCRIPTION**	**QTY**	**UNIT**	**RATE**	**AMOUNT**	**REMARKS**
I	**DISMANTLING & DEMOLITION**					
A	**DEMOLITION OF RCC & STEEL MEMBER**					
1	Demolishing reinforced cement concrete (R.C.C.) such as Columns, Slabs, Beams etc manually / by mechanical means, including cutting of reinforcement, carefully removing concrete, stacking of serviceable steel reinforcement bars, and disposal away of unserviceable materials from the site, complete as per direction of Engineer-in-Charge.Rate includes necessary additional jack supports, temporary supports, propping, and associated arrangements required at lower levels up to two stages (height upto 6.5m) during demolition works. The work shall be executed with due care to avoid damage to adjoining structures. In heritage demolition shall be carried out in a controlled manner ensuring that vibrations and impact do not adversely affect the stability of the existing building. The rate shall be inclusive of all operations such as labour, tools & plant, machinery, scaffolding, cutting equipment, loading, unloading, lift at all heights, lead for disposal, and all incidental charges, complete in all respects Note : Reinforcement steel obtained from demolition shall be handed over to the Client at site as per direction of Engineer-in-Charge.					
i)	Ground Floor Level	**13.77**	Cu.m.	4,592.00	**63,231.84**	
ii)	First Floor Level	**3.48**	Cu.m.	4,592.00	**15,980.16**	
iii)	Second Floor Level	**2.01**	Cu.m.	4,592.00	**9,229.92**	
iv)	Terrace Floor Level	**8.06**	Cu.m.	4,592.00	**37,011.52**	
2	Dismantling existing **steel work** in built-up sections comprising angles, tees, flats, channels and other structural steel members, including removal of gusset plates, bolts, nuts, rivets, welding and other connected components, by cutting, unbolting, chiselling or other approved methods as required, carefully dismembering into manageable sections and stacking the dismantled materials at a designated location within the premises, as directed by the Engineer-in-					
i)	Ground Floor Level	**2017**	Kg	3.00	**6,051.00**	
ii)	First Floor Level + Mezzanine Floor Level	**4416**	Kg	3.00	**13,248.00**	
iii)	Second Floor Level	**436**	Kg	3.00	**1,308.00**	
iv)	Terrace Floor Level Floor Level & Corner Steps	**452**	Kg	3.00	**1,356.00**	
	Demolishing **brickwork** manually or by approved mechanical means, as required, without affecting or causing damage to adjacent, adjoining or retained structures, including careful dismantling of brickwork,The unserviceable materials shall removal, loading, transporting and disposal/carting away to an approved disposal location, all as directed by the Engineer-in-Charge. The rate shall include necessary scaffolding, staging, temporary supports, tools & plant, labour, lifting, lowering, handling, protection of adjacent and retained structures, cleaning of the work area and all incidental charges, complete in all respects.					
B	**DEMOLITION OF MASONRY AND TILE WORK**					
3	Demolishing **brickwork** manually or by approved mechanical means, as required, without affecting or causing damage to adjacent, adjoining or retained structures, including careful dismantling of brickwork,The unserviceable materials shall removal, loading, transporting and disposal/carting away to an approved disposal location, all as directed by the Engineer-in-Charge. The rate shall include necessary scaffolding, staging, temporary supports, tools & plant, labour, lifting, lowering, handling, protection of adjacent and retained structures, cleaning of the work area and all incidental charges, complete in all respects.					
i)	In mud mortar	**2.12**	Cum	883.00	**1,875.32**	
ii)	In lime mortar	**2.12**	Cum	883.00	**1,875.32**	
4	Demolishing **brickwork** manually or by approved mechanical means, as required, without affecting or causing damage to adjacent, adjoining or retained structures, including careful dismantling of brickwork,The unserviceable materials shall removal, loading, transporting and disposal/carting away to an approved disposal location, all as directed by the Engineer-in-Charge. The rate shall include necessary scaffolding, staging, temporary supports, tools & plant, labour, lifting, lowering, handling, protection of adjacent and retained structures, cleaning of the work area and all incidental charges, complete in all respects.					
	in Cement mortar					
i)	Ground Floor Level	**246.58**	Cu.m.	1,590.00	**3,92,062.20**	
ii)	First Floor Level	**236.65**	Cu.m.	1,590.00	**3,76,273.50**	
iii)	Second Floor Level	**323.14**	Cu.m.	1,590.00	**5,13,792.60**	
iv)	Terrace Floor Level	**10.50**	Cu.m.	1,590.00	**16,695.00**	

PART B - BOQ FOR CIVIL WORKS						
S.No	**DESCRIPTION**	**QTY**	**UNIT**	**RATE**	**AMOUNT**	**REMARKS**
5	Demolishing **stone rubble masonry** manually or by approved mechanical means, as required, carefully and without affecting or causing damage to adjacent, adjoining structures, including dismantling, segregation, cleaning and stacking of serviceable stone and other materials at the designated location within the premises, and removal, loading, unloading, transporting and disposal/carting away of unserviceable materials and debris to an approved disposal location, all as directed by the Engineer-in-Charge. The rate shall be inclusive of all necessary labour, tools & plant, machinery, scaffolding, staging, temporary supports, lifting, lowering, lift at all heights, handling, lead for disposal, protection of adjacent and retained structures, cleaning and all incidental charges, complete in all respects.					
i)	In lime mortar	**0.42**	Cum	1,943.00	**825.31**	
ii)	In cement mortar	**7.88**	Cum	1,943.00	**15,312.25**	
6	Dismantling of **tile work in floors and roofs** laid in cement mortar, including stacking the serviceable materials within the premises at places as directed and disposal of unserviceable materials by loading, transporting and carting away from the site as directed by the Engineer-in-Charge. The rate shall be inclusive of all labour, tools and plants, machinery, scaffolding, loading, unloading, lifting and lowering at all heights, Lift and Lead for disposal, transportation and all incidental charges, complete in all respects as directed by the Engineer-in-Charge. No additional payment or claim shall be entertained on any account.					
i)	First Floor Level	**344.46**	Sq.m.	216.00	**74,403.36**	
ii)	Second Floor Level	**222.09**	Sq.m.	216.00	**47,971.44**	
7	Dismantling of **stone slab flooring** laid in lime or cement mortar, including removal, loading, transportation and carting away of the dismantled materials from the site as directed by the Engineer-in-Charge. The rate shall be inclusive of all labour, tools and plants, machinery, scaffolding, loading, unloading, lifting and lowering at all heights, Lift and Lead for disposal, transportation and all incidental charges, complete in all respects as directed by the Engineer-in-Charge. No additional payment or claim shall be entertained on any account.					
i)	Ground Floor Level	**17**	Sqm	323.00	**5,491.00**	
ii)	First Floor Level	**46**	Sqm	323.00	**14,858.00**	
iii)	Second Floor Level	**9**	Sqm	323.00	**2,907.00**	
C	**ROOFING**					
8	Dismantling of **roofing, including ridges, hips, valleys, gutters**, etc., including careful dismantling and stacking of serviceable materials within the premises at places as directed by the Engineer-in-Charge, and disposal, loading, transportation and carting away of unserviceable materials from the site as directed by the Engineer-in-Charge. The rate shall be inclusive of all labour, tools and plants, machinery, scaffolding, loading, unloading, lifting and lowering at all heights, Lift and Lead for disposal, transportation and all incidental charges, complete in all respects as directed by the Engineer-in-Charge. No additional payment or claim shall be entertained on any account.					
i)	G.S. Sheet	**1703**	Sqm	216.00	**3,67,804.80**	
ii)	Asbestos sheet	**119**	Sqm	162.00	**19,278.00**	
9	Dismantling of cement asbestos or other hard board ceiling, including careful dismantling, stacking of serviceable materials within the premises at places as directed by the Engineer-in-Charge, and disposal, loading, transportation and carting away of unserviceable materials from the premises as directed by the Engineer-in-Charge. The rate shall be inclusive of all labour, tools and plants, machinery, scaffolding, loading, unloading, lifting and lowering at all heights, Lift and Lead for disposal, transportation and all incidental charges, complete in all respects as directed by the Engineer-in-Charge. No additional payment or claim shall be entertained on any account.	**105**	Sqm	216.00	**22,680.00**	
D	**DISMANTLING OF EXISITING PIPES AND FITTINGS**					

PART B - BOQ FOR CIVIL WORKS						
S.No	**DESCRIPTION**	**QTY**	**UNIT**	**RATE**	**AMOUNT**	**REMARKS**
10	Dismantling C.I. or asbestos rain water pipe with fittings and clamps including stacking the material and disposal of unserviceable materials and carting away from the premises as direction of Engineer incharge.The rate shall be inclusive of all labour, tools & plant, machinery, scaffolding, loading, unloading, lift at all heights, lead for disposal, and all incidental charges, complete in all respects.					
i)	75 to 80 mm dia pipe	**152**	Rm	43.00	**6,554.88**	
ii)	100 mm dia pipe	**107**	Rm	43.00	**4,588.41**	
iii)	150 mm dia pipe	**46**	Rm	46.00	**2,103.66**	
11	Dismantling C.I. pipes including excavation and refilling trenches after taking out the pipes, manually / by mechanical means breaking lead caulked joints, melting of lead and making into blocks including stacking of pipes & lead at site and disposal of unserviceable materials and carting away from the premises as per direction of Engineer-in-charge:					
i)	Up to 150 mm diameter	**125**	Rm	250.00	**31,250.00**	
ii)	Above 150 mm dia up to 300 mm dia	**66**	Rm	332.00	**21,762.20**	
E	**REMOVAL OF Existing PARTITIONS**					
12	Dismantling of aluminium/gypsum partitions, doors, windows, fixed glazing and false ceiling, including careful dismantling, removal, loading, transportation, disposal of unserviceable surplus materials and carting away from the premises as directed by the Engineer-in-Charge. The rate shall be inclusive of all labour, tools and plants, machinery, scaffolding, safety arrangements, loading, unloading, lifting and lowering at all heights, Lift and Lead for disposal, transportation and all incidental charges, complete in all respects as directed by the Engineer-in-Charge					
i)	Ground Floor Level	**22**	Sqm	646.00	**14,212.00**	
ii)	First Floor Level	**368**	Sqm	646.00	**2,37,728.00**	
iii)	Second Floor Level	**302**	Sqm	646.00	**1,95,092.00**	
13	Dismantling of **wooden boarding in lining** of walls and partitions, excluding supporting members, including careful dismantling and stacking of dismantled materials within the site as directed by the Engineer-in-Charge. The rate shall be inclusive of all labour, tools and plants, machinery, scaffolding, safety arrangements, loading, unloading, lifting and lowering at all heights, Lift and Lead, and all incidental charges, complete in all respects as directed by the Engineer-in-Charge.					
i)	Up to 10 mm thick	**1075**	Sqm	323.00	**3,47,307.52**	
ii)	Thickness above 10 mm up to 25 mm	**33**	Sqm	323.00	**10,622.63**	
14	Removal of existing rods and clamps, wherever necessary, including careful dismantling, removal and stacking of dismantled materials within the premises at places as directed by the Engineer-in-Charge, including necessary chipping works, packing works, temporary supports if any and all associated works required for proper removal and completion. The rate shall be inclusive of all labour, tools and plants, machinery, supports, chipping, packing, loading, unloading, lifting and lowering at all heights, Lift and Lead, and all incidental charges, complete in all respects as directed by the Engineer-in-Charge. No additional payment shall be entertained on any account	**440**	Nos	100.00	**44,000.00**	
	SUB TOTAL I - DISMANTLING & DEMOLITION				**29,36,742.84**	
II	**FLOORING**					
A	**STONE SLAB FLOORING**					
1	Providing and Laying of 18- 20mm thick Kota stone slab flooring of approved shade, colour and texture, laid over 20 mm (average) thick cement mortar bed in proportion 1:4 (1 cement : 4 coarse sand), including jointing with grey cement slurry mixed with pigment to match the shade of the stone. The Rate include preparation of base, laying, leveling, dressing of edges, rubbing, machine polishing to a smooth and even finish, curing, and protect the floor and clean the floor before handing over etc..**Basic Cost of Stone - Rs 550.00 / sqm**					
i)	18-20mm thick	**125**	Sqm	2,046.00	**2,56,605.35**	

PART B - BOQ FOR CIVIL WORKS						
S.No	**DESCRIPTION**	**QTY**	**UNIT**	**RATE**	**AMOUNT**	**REMARKS**
2	Providing and Laying of 18-20mm thick Kota stone slab flooring in steps, skirting, dado and pillars of approved shade, colour and texture, laid over 12 mm (average) thick cement mortar 1:3 (1 cement: 3 coarse sand) , including jointing with grey cement slurry mixed with pigment to match the shade of the stone. The Rate include preparation of base, laying, leveling, dressing of edges, rubbing, machine polishing to a smooth and even finish, curing, and protect the floor and clean the floor before handing over etc.. **Basic Cost of Stone - Rs 550.00 / sqm**					
i)	Ground Floor Level	**20**	Sqm	2,153.00	**42,203.92**	
3	Supply, cut and laying of unpolished 18-20mm thick Cuddapah slabs 600mm x 600mm of approved grain pattern/ colour in lime mortar including skirting of 1:4 ratio including the joints pointed with approved matching pigment cement grout, cost of tile wastage and handing over in acceptable condition etc., to the satisfaction of clients and conservation architect. **Basic Cost of Cuddapah - Rs 550.00 / sqm**					
i)	Ground Floor Level	**6124**	Sqm	1,949.00	**1,19,36,256.49**	
ii)	First Floor Level	**2145**	Sqm	1,949.00	**41,80,605.00**	
iii)	Second Floor Level	**2145**	Sqm	1,949.00	**41,80,605.00**	
4	Laying of Kota stone flooring work in floors, skirting in walls and roofs of approved shade, colour and texture, laid over 20 mm (average) thick cement mortar bed in proportion 1:4 (1 cement : 4 coarse sand), including jointing with grey cement slurry mixed with pigment to match the shade of the stone including stacking the serviceable material within the premises and disposal of unserviceable materials and carting away from the site as direction of Engineer incharge. **Basic Cost of Stone - Rs 550.00 / sqm.**					
i)	Ground Floor Level	**984**	Sqm	2,045.00	**20,12,473.25**	
ii)	First Floor Level	**738**	Sqm	2,045.00	**15,09,210.00**	
iii)	Second Floor Level	**738**	Sqm	2,045.00	**15,09,210.00**	
5	Providing and fixing **18 mm thick granite** gang saw cut, premoulded and prepolished, machine cut for **threshold ,kitchen platforms, vanity counters, window sills, facias and similar locations** of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. **Basic Cost of Stone - Rs 200 / sft**					
	Granite of approved colour and shade					
i)	Area of slab up to 0.50 sqm	**773**	Sqm	5,382.00	**41,60,000.00**	
B	**CEMENT CONCRETE**					
6	**52 mm average thick cement concrete flooring** with concrete hardener topping, under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per manufacturer's specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete.	**3.70**	Cum	14,614.00	**54,071.80**	
	SUB TOTAL II - FLOORING				**2,98,41,240.82**	
III	**WATERPROOFING WORKS**					
1	Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, Terrace Floor Levels etc consisting of following operations:					
	Applying a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with water proofing compound conforming to IS. 2645 and approved by Engineer-in-charge over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment.					
	Laying brick bats with mortar using broken bricks/brick bats 25 mm to 115 mm size with 50% of cement mortar 1:5 (1 cement : 5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge over 20 mm thick layer of cement mortar of mix 1:5 (1 cement :5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge to required slope and treating similarly the adjoining walls upto 300 mm height including rounding of junctions of walls and slabs.					

PART B - BOQ FOR CIVIL WORKS						
S.No	**DESCRIPTION**	**QTY**	**UNIT**	**RATE**	**AMOUNT**	**REMARKS**
	After two days of proper curing applying a second coat of cement slurry using 2.75 kg/ sqm of cement admixed with water proofing compound conforming to IS : 2645 and approved by Engineering- charge.					
	Finishing the surface with 20 mm thick jointless cement mortar of mix 1:4 (1 cement :4 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineering- charge including laying glass fibre cloth of approved quality in top layer of plaster and finally finishing the surface with trowel with neat cement slurry and making pattern of 300x300 mm square 3 mm deep.					
	The whole Terrace Floor Level so finished shall be flooded with water for a minimum period of two weeks for curing and for final test. All above operations to be done in order and as directed and specified by the Engineer-in-Charge :					
	Make: Fosroc/Pidilite/Sika/CICO or Equivalent					
	With average thickness of 120 mm and minimum thickness at khurra as 65 mm.	**594.39**	SQM	1,755.00	10,43,154.45	
	SUB TOTAL IV - WATERPROOFING WORKS				**10,43,154.45**	
V	**EXTERIOR WORKS**					
A	**PLINTH PROTECTION**					
1	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including necessary excavation, levelling & dressing & finishing the top smooth.	**241**	Sqm	800.00	**1,92,790.78**	
B	**COMPOUND WALL**					
2	Reconstruction of compound wall to match the existing wall in height, dimensions, alignment, style and architectural details, including earthwork, concrete work, brickwork, plastering and painting, complete in all respects as directed by the Engineer-in-Charge.The work shall be carried out as per the approved structural and architectural details, maintaining the existing heritage character and appearance. The rate shall be inclusive of all materials, labour, transportation, necessary fittings, supports, scaffolding and all incidental charges, complete in all respects as directed by the Engineer-in-Charge..	**134**	Rmt	2,152.00	**2,87,873.04**	
3	Providing and fixing 12mm Square MS rod with spear head at 100mm c/c and (support to the compound wall at every 6th rod) and two numbers of 50X50 mm size rod in horizontal direction(Top and Bottom).The works including Fixing the grill securely into position with proper alignment and level packing complete as per the direction of Engineer-in-charge. The rate including applying one coat of primer and two coats of sythetic enamel painting. Scaffolding and required all civil works					
	Fencing height 1200mm above top of Compound wall	**134**	Rmt	4,306.00	**5,77,004.00**	
C	**PARKING AREA**					
4	Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 40 mm nominal size) in pavements, laid to required slope and camber in panels as required including consolidation finishing and tamping complete.	**11**	Cum	6,534.00	**68,829.59**	
	Front parking pavements					
5	Providing and fixing at or near ground level precast cement concrete in kerbs, edgings etc. as per approved pattern and setting in position with cement mortar 1:3 (1 Cement : 3 coarse sand), including the cost of required centering, shuttering complete. 1:1½:3 (1 Cement: 1½ coarse sand(zone-III) : 3 graded stone aggregate 20 mm nominal size).	**3**	Cum	8,441.00	**25,336.86**	
	Front parking area					
6	Providing and laying rough granite stone slab of size 600 x 600 x 50mm approved design,level & shape laid in required pattern over compacted bed , filling the joints with cement mortar 1:6. checking the slope level with trench line. Rates include all necessary materials,labours and Supports complete etc. (Parking area)	**1448**	Sqm	2,691.00	**38,97,000.00**	
	SUB TOTAL III - EXTERNAL WORKS				**50,48,834.27**	

PART B - BOQ FOR CIVIL WORKS						
S.No	**DESCRIPTION**	**QTY**	**UNIT**	**RATE**	**AMOUNT**	**REMARKS**
IV	**RESTORATION OF COURTYARD**					
1	Demolishing reinforced cement concrete (R.C.C.) such as Columns, Slabs, Beams etc manually / by mechanical means, including cutting of reinforcement, carefully removing concrete, stacking of serviceable steel reinforcement bars, and disposal away of unserviceable materials from the site, complete as per direction of Engineer-in-Charge. The work shall be executed with due care to avoid damage to adjoining structures. In heritage demolition shall be carried out in a controlled manner ensuring that vibrations and impact do not adversely affect the stability of the existing building. The rate shall be inclusive of all operations such as labour, tools & plant, machinery, scaffolding (, cutting equipment, loading, unloading, lift at all heights, lead for disposal, and all incidental charges, complete in all respects Note : Reinforcement steel obtained from demolition shall be handed over to the Client at site as per direction of Engineer-in-Charge.					
i)	First Floor Level	**59.85**	Cu.m.	4,592.00	**2,74,831.20**	
ii)	Second Floor Level	**81.50**	Cu.m.	4,592.00	**3,74,248.00**	
2	Providing and fixing hipped roof over MS structural steel Section (Excluding the cost of MS structure using 12 mm thick multi-wall translucent polycarbonate sheet roofing including all material, labour, conumables, aluminium profile, sealant, fixing of translucent sheets with necessary accessories complete Note : The MS structure cost will be paid through item no. IV-3)	**290**	sq.m	3,125.00	**9,05,625.00**	
3	Providing, Fabricating & fixing in-position MS members as per approved shop drawings. MS Fabrication works at all heights and locations with necessary lifts & lead, loading/unloading etc. complete as per approved design made out of MS flats, Square bars, Round Bars, Angles, Tees etc and anchoring the same to walls, Floor, RCC slab etc.using Nut, bolts, holdfasts, Anchor Fasteners etc. as required including two coats of enamel paint over a coat of Zinc Oxide primer complete. Rates to include necessary hardware, cutting / chasing floor, wall carefully and repairing the same to its original position, scaffolding, pulleys, painting of repaired surface complete as direcetd at site by the Engineer-in-Charge.	**9358**	Kgs	120.0	**11,22,917.04**	
SUB TOTAL IV- RESTORATION OF COURTYARD					**26,77,621.24**	
SUB TOTAL - CIVIL WORKS					**4,15,47,593.62**	

PART C - BOQ OF CARPENTRY WORKS						
S.No	**DESCRIPTION**	**QTY**	**UNIT**	**RATE**	**AMOUNT**	**REMARKS**
	Note: **1). All carpentry works shall be carried out in accordance with the approved architectural drawings, specifications, and details.** **2). All dimensions shall be verified at the site before commencement of work. Any discrepancies shall be brought to the attention of the Architect/Consultant for clarification.** **3).New Works for Stained Glass: Kindly carry out the new carpentry works for stained glass installation in accordance with the approved architectural drawings and details.** **4).Repairing of Existing Stained Glass Works: Kindly ensure that the existing pattern is accurately matched during the repair works.**					
1	**GROUND FLOOR LEVEL**					
A	**NEW JOINERY - WOOD WORK (FRAME & SHUTTER)**					
1	**D1 - Fixed Glass+ Panelled Door -Single swing shutter(0.762m x 2.667m)**					
	Supplying ,fabricating & fixing of second class Teak wood frame in size 125 **X 100mm, 35mm thk** second class teak wood shutter as per detailed drawing. Fixed glass to be 5mm thick of approved make. Door to be provided with following hardwares Hinges - 125x75x75mm Hinges AB Magnum 5 nos Anchor fastner - 10mm x 150mm 12 nos Handle - 300mm Crown Handle AB Magnum single Aldrop - 200 mm brass aldrop 1no Tower bolt - 600 mm brass 2 nos Door stopper - Brass 1 no alongwith all necessary materials, labours and supports complete etc.	**2**	No.s	48,126.00	**96,252.00**	
2	**D2- Panelled Door -Single swing shutter (0.762m x 2.667m)**					
	Supplying ,fabricating & fixing of second class Teak wood frame in size 125 X 100mm, 35mm thk second class teak wood shutter as per detailed drawing. Fixed glass to be 5mm thick of approved make. Door to be provided with following hardwares Hinges - 125x75x75mm Hinges AB Magnum 5 nos Anchor fastner - 10mm x 150mm 12 nos Handle - 300mm Crown Handle AB Magnum single Aldrop - 200 mm brass aldrop 1no Tower bolt - 600 mm brass 2 nos Door stopper - Brass 1 no along with all necessary materials, labours and supports complete etc.	**4**	No.s	43,751.00	**1,75,004.00**	
3	**D3 - Panelled Door -Single swing shutter(1.219m x 2.286m)**					
	Supplying ,fabricating & fixing of second class Teak wood frame in size 125 x 100mm, 35mm thk second class teak wood shutter as per detailed drawing. Fixed glass to be 5mm thick of approved make. Door to be provided with following hardwares Hinges - 125x75x75mm Hinges AB Magnum 5 nos Anchor fastner - 10mm x 150mm 12 nos Handle - 300mm Crown Handle AB Magnum single Aldrop - 200 mm brass aldrop 1no Tower bolt - 600 mm brass 2 nos Door stopper - Brass 1 no along with all necessary materials, labours and supports complete etc.	**1**	No.s	69,990.00	**69,990.00**	

PART C - BOQ OF CARPENTRY WORKS						
S.No	**DESCRIPTION**	**QTY**	**UNIT**	**RATE**	**AMOUNT**	**REMARKS**
4	**DD1a - Fixed Glass+ louvered+Panelled Door - Double Swing shutter (1.143m x 2.134m)**					
	Supplying ,fabricating & fixing of second class Teak wood frame in size 125 x 100mm, 35mm thk second class teak wood shutter as per detailed drawing. Fixed glass to be 5mm thick of approved make. Door to be provided with following hardwares . The louver size is W x 50mmx 12mm. Door to be provided with following hardwares. Hinges - 125x75x75mm Hinges Ab Magnum 10 nos Anchor fastner - 10mmx150mm 12 nos Handle - 300mm Crown Handle AB Magnum pair Aldrop - 300 mm brass aldrop 1 No Tower bolt - 600 mm brass 4 nos Door stopper - brass 2 no along with all necessary materials, labours and supports complete etc.,	**3**	No.s	81,143.00	**2,43,429.00**	
5	**DD2 - Fixed Glass+ Panelled Door -Double swing shutter(1.219m x 2.134m)**					
	Supplying ,fabricating & fixing of second class Teak wood frame in size 125 x 100mm, 35mm thk second class teak wood shutter as per detailed drawing. Fixed glass to be 5mm thick of approved make. Door to be provided with following hardwares Door to be provided with following hardwares Hinges - 125x75x75mm Hinges Ab Magnum 10 nos Anchor fastner - 10mm x 150mm 12 nos Handle - 300mm Crown Handle AB Magnum pair Aldrop - 300 mm brass aldrop 1 No Tower bolt - 600 mm brass 4 nos Door stopper - brass 2 no along with all necessary materials, labours and supports complete etc.,	**2**	No.s	61,602.00	**1,23,204.00**	

PART C - BOQ OF CARPENTRY WORKS						
S.No	**DESCRIPTION**	**QTY**	**UNIT**	**RATE**	**AMOUNT**	**REMARKS**
6	**DD3 - Fully Panelled Door-Double Swing shutter(1.448mx2.338m)**					
	Supplying ,fabricating & fixing of second class Teak wood frame in size 125 x 100mm, 35mm thk second class teak wood shutter as per detailed drawing. Door to be provided with following hardwares Door to be provided with following hardwares Hinges - 125x75x75mm Hinges Ab Magnum 10 nos Anchor fastner - 10mm x 150mm 12 nos Aldrop - 300 mm brass aldrop 1 No Tower bolt - 600 mm brass 4 nos Door stopper - brass 2 no along with all necessary materials, labours and supports complete etc.,	**13**	No,s	72,882.00	**9,47,466.00**	
7	**W2 - Louvered + Glazing (fixed)(1.067m x 1.067m)**					
	Supplying ,fabricating & fixing of second class Teak wood window of frame in size 125 x 100mm, 30mm thk second class teak wood shutter as per detailed drawing. Fixed glass to be 5mm thick of approved makes fixed with teak wood beading. The louver size is W x 50mmx 12mm. The rate include all necessary materials, labours and supports complete etc.,	**10**	No.s	30,637.00	**3,06,370.00**	
8	**W4 - Fixed Glass + louvered shutter + glazed shutter (Double Shutter) 1.067m x 1.219m)**					
	Supplying ,fabricating & fixing of second class Teak wood window of frame in size 125 x 100mm, 30mm thk second class teak wood shutter as per detail architectural drawing. Fixed glass to be 5mm thick of approved makes fixed with teak wood beading. The louver size is W x 50mmx 12mm. Window to be provided with following hardwares. Hinges - 125x75x75mm Hinges Ab Magnum 12 nos Anchor fastner - 10mm x 100mm 8 nos Handle - 150mm Crown Handle AB Magnum 2 pair Tower bolt - 600 mm brass 4 nos along with all necessary materials, labours and supports complete etc.,	**6**	No,s	35,002.00	**2,10,012.00**	
9	**V1 - Louvered ventilator 0.910m x 0.910**					
	Supplying ,fabricating & fixing of second class Teak wood louvered ventilator of frame size 100x 75mm, as per detailed drawing..The louver size is W x 50mmx 12mm. The rate include all necessary materials, labours and supports complete etc., Anchor fastner - 10mm x 100mm 6 nos for fixed the frame.	**2**	No.s	20,502.00	**41,004.00**	
	TOTAL FOR GROUND FLOOR NEW JOINERY WORK				**22,12,731.00**	
B	**NEW JOINERY - WOOD WORK (ONLY SHUTTER)**					
10	**D2- Panelled Door -Single swing shutter(0.762M X 2.667M)**	**4**	No.s	17,501.00	**70,004.00**	
	Supplying ,fabricating & fixing of 35mm thk second class teak wood shutter as per detailed drawing..Door to be provided with following hardwares. Hinges - 125x75x75mm Hinges Ab Magnum 5 nos Anchor fastner - 10mm x 150mm 6 nos Handle - 300mm Crown Handle AB Magnum single Aldrop - 200 mm brass aldrop 1no Tower bolt - 600 mm brass 2 nos Door stopper - Brass 1 no along with all necessary materials, labours and supports complete etc., Note :The Quoted rate is applicable for new shutter and harware.The exisiting door frame shall be retained.					
11	**DD2- Fixed Glass+ Panelled Door -Double swing shutter(1.219x2.134)**	**3**	No.s	27,996.00	**83,988.00**	
	Supplying ,fabricating & fixing of 35mm thk second class teak wood shutter as per detailed drawing. Fixed glass to be 5mm thick of approved make. Door to be provided with following hardwares Door to be provided with following hardwares Hinges - 125x75x75mm Hinges Ab Magnum 10 nos Anchor fastner - 10mm x 150mm 12 nos Handle - 300mm Crown Handle AB Magnum pair Aldrop - 300 mm brass aldrop 1 No Tower bolt - 600 mm brass 4 nos Door stopper - brass 2 no along with all necessary materials, labours and supports complete etc., Note :The Quoted rate is applicable for new shutter and harware.The exisiting door frame shall be retained.					

PART C - BOQ OF CARPENTRY WORKS						
S.No	**DESCRIPTION**	**QTY**	**UNIT**	**RATE**	**AMOUNT**	**REMARKS**
12	**DD3 - Fully Panelled Door -Double swing shutter 1.448x2.337**				**-**	
	Supplying ,fabricating & fixing of 35mm thk second class teak wood shutter as per detailed drawing. Door to be provided with following hardwares Door to be provided with following hardwares Hinges - 125x75x75mm Hinges Ab Magnum 10 nos Anchor fastner - 10mm x 150mm 12 nos Aldrop - 300 mm brass aldrop 1 No Tower bolt - 600 mm brass 4 nos Door stopper - brass 2 no along with all necessary materials, labours and supports complete etc., Note :The Quoted rate is applicable for new shutter and harware.The exisiting door frame shall be retained.	**3**	No,s	29,153.00	**87,459.00**	
13	**W4 - Fixed Glass+ louvered shutter +glazed shutter (Double Shutter) 1.067m x 1.219m**					
	Supplying ,fabricating & fixing of second class Teak wood window of frame in size 125 x 100mm, 30mm thk second class teak wood shutter as per detail architectural drawing. Fixed glass to be 5mm thick of approved makes fixed with teak wood beading. The louver size is W x 50mmx 12mm. Window to be provided with following hardwares. Hinges - 125x75x75mm Hinges Ab Magnum 12 nos Anchor fastner - 10mm x 100mm 8 nos Handle - 150mm Crown Handle AB Magnum 2 pair Tower bolt - 600 mm brass 4 nos along with all necessary materials, labours and supports complete etc., Note :The Quoted rate is applicable for new shutter and harware.The exisiting door frame shall be retained.	**8**	No,s	8,401.00	**67,208.00**	
	TOTAL FOR GROUND FLOOR REPAIR WORK				**3,08,659.00**	
C	**REPAIRING OF EXISITING DOOR AND WINDOWS**					
	The tenderer shall visit and inspect the site before quoting for the work					
14	Providing and fixing wooden planks in existing doors/Windows (Frame and Shutter) by carefully removing damaged wooden portions and replacing the same with new wooden planks of matching section and pattern, including necessary hardwares, cutting, fitting, finishing, necessary screws, nails, adhesives, tools and tackles complete, as per direction of Engineer-in-Charge.Actual qty may vary as per site condition. Note : The tenderer need to submit the rate breakup during bill verification	**0.75**	Cu.m	1,23,606.00	**92,704.50**	
15	Providing and fixing glass panels **(Stained/Coloured/Fixed)** in existing door/window shutters by removing damaged glass and replacing the same with new glass of matching thickness and type, including cutting, fitting, beading, necessary fixtures, tools and tackles complete, as directed by the Engineer-in-Charge.Actual qty may vary as per site condition. Note: The tenderer shall submit the detailed rate breakup during bill verification.	**8**	Sqm	9,500.00	**76,000.00**	
	TOTAL FOR GROUND FLOOR REPAIR OF EXISITING DOORS/WINDOWS WORK				**1,68,704.50**	
	TOTAL FOR GROUND FLOOR CARPENTRY WORKS				**26,90,094.50**	
2	**FIRST FLOOR LEVEL**					
A	**NEW JOINERY - WOOD WORK (FRAME & SHUTTER)**					
1	**D1 - Fully Panelled Door-Single Swing shutter 1.219 X 2.286**					
	Fabricating & fixing of second class Teak wood solid door of frame size 100x 75mm, 35mm thk flush shutter as per detailed drawing.The frame finished with clear melamine polish, Hinges - 125x75x75mm Hinges Ab Magnum 5 nos Anchor fastner - 10mm x 150mm 12 nos Handle - 150mm Crown Handle AB Magnum Single Tower bolt - 600 mm brass 2 nos alongwith all necessary materials, labours and supports complete etc.,	**1**	No.s	65,990.00	**65,990.00**	

PART C - BOQ OF CARPENTRY WORKS						
S.No	**DESCRIPTION**	**QTY**	**UNIT**	**RATE**	**AMOUNT**	**REMARKS**
2	**DD3 - Stained Glass + Panelled - Double Swing shutter 1.448x2.667**					
	Supplying ,fabricating & fixing of second class Teak wood frame in size 125 x 100mm, 35mm thk second class teak wood shutter as per detailed drawing. Stained glass to be 3 mm thick of approved make. Door to be provided with following hardwares. Hinges - 125x75x75mm Hinges Ab Magnum 10 nos Anchor fastner - 10mm x 150mm 12 nos Handle - 300mm Crown Handle AB Magnum pair Aldrop - 300 mm brass aldrop 1 No Tower bolt - 600 mm brass 4 nos along with all necessary materials, labours and supports complete etc.,	**14**	No.s	1,08,079.00	**15,13,106.00**	
3	**W3- Fully Panelled Window -Double Swing shutter(1.067X2.134)**					
	Supplying ,fabricating & fixing of second class Teak wood frame in size 100 X 75mm, 30mm thk second class teak wood shutter as per detailed drawing Window to be provided with following hardwares Hinges - 125x75x75mm Hinges Ab Magnum 8 nos Anchor fastner - 10mm x 100mm 8 nos Handle - 150mm Crown Handle AB Magnum pair Tower bolt - 200 mm brass 4 nos alongwith all necessary materials, labours and supports complete etc.,	**12**	No.s	53,921.00	**6,47,052.00**	
4	**V- Louvered ventilator**					
	Supplying ,fabricating & fixing of second class Teak wood louvered ventilator of frame size 100x 75mm, as per detailed drawing.. The louver size is W x 50mmx 12mm. The rate include all necessary materials, labours and supports complete etc., Anchor fastner - 10mm x 100mm 6 nos for fixed the frame.	**4**	No.s	20,502.00	**82,008.00**	
	TOTAL FOR FIRST FLOOR JOINERY WORK				**23,08,156.00**	
B	**NEW JOINERY - WOOD WORK (ONLY SHUTTER)**					
1	**DD3 - Stained Glass + Panelled - Double Swing shutter 1.448x2.667**					
	Supplying ,fabricating & fixing of 35mm thk second class teak wood shutter as per detailed drawing.Stained glass to be 3 mm thick of approved make. Door to be provided with following hardwares Hinges - 125x75x75mm Hinges Ab Magnum 10 nos Anchor fastner - 10mm x 150mm 6 nos Handle - 300mm Crown Handle AB Magnum pair Aldrop - 300 mm brass aldrop 1 No Tower bolt - 600 mm brass 4 nos Door stopper - brass 2 no along with all necessary materials, labours and supports complete etc.,	**14**	No.s	33,255.00	**4,65,570.00**	
2	**W1 - Fixed lead Glass+ louvered shutter +glazed shutter (Double Shutter) 0.910 x 1.524**					
	Supplying ,fabricating & fixing of 35mm thk second class teak wood shutter as per detailed drawing. Stained glass to be 3 mm thick of approved make. Door to be provided with following hardwares Hinges - 125x75x75mm Hinges Ab Magnum 10 nos Anchor fastner - 10mm x 150mm 6 nos Handle - 300mm Crown Handle AB Magnum pair Aldrop - 300 mm brass aldrop 1 No Tower bolt - 600 mm brass 4 nos Door stopper - brass 2 no along with all necessary materials, labours and supports complete etc.,	**2**	No.s	8,957.00	**17,914.00**	
3	**W3a - Fully panelled Shutter 1.067x2.134**					
	Supplying ,fabricating & fixing of 30mm thk second class teak wood shutter as per detailed drawing. Window to be provided with following hardwares Hinges - 125x75x75mm Hinges Ab Magnum 8 nos Anchor fastner - 10mm x 100mm 6 nos Handle - 150mm Crown Handle AB Magnum 2 pair Tower bolt - 600 mm brass 4 nos along with all necessary materials, labours and supports complete etc.,	**1**	No.s	14,706.00	**14,706.00**	

PART C - BOQ OF CARPENTRY WORKS						
S.No	**DESCRIPTION**	**QTY**	**UNIT**	**RATE**	**AMOUNT**	**REMARKS**
4	**W6 - Stained Glass+ louvered shutter +Fully Panelled shutter (Double Shutter) 1.372x2.057**					
	Supplying ,fabricating & fixing of 30mm thk second class teak wood shutter as per detailed drawing.Stained glass to be 3mm thick of approved makes fixed with teak wood beading. The louver size is W x 50mmx 12mm. Door to be provided with following hardwares Hinges - 125x75x75mm Hinges Ab Magnum 12 nos Anchor fastner - 10mm x 100mm 6 nos Handle - 150mm Crown Handle AB Magnum 2 pair Tower bolt - 600 mm brass 4 nos alongwith all necessary materials, labours and supports complete etc.,	**12**	No.s	18,227.00	**2,18,724.00**	
5	**W7 - Fixed Glass + Fully panelled Shutter (2.698 M X3.348 M)**					
	Supplying ,fabricating & fixing of 30mm thk second class teak wood shutter as per detailed drawing.Fixed glass to be 5mm thick of approved makes fixed with teak wood beading. window to be provided with following hardwares Hinges - 125x75x75mm Hinges Ab Magnum 12 nos Anchor fastner - 10mm x 100mm 6 nos Handle - 150mm Crown Handle AB Magnum 2 pair Tower bolt - 600 mm brass 4 nos along with all necessary materials, labours and supports complete etc.,	**6**	No.s	58,339.00	**3,50,034.00**	
6	**W8 - Fixed Louver + Fully panelled Shutter (2.698 M *3.348 M)**					
	Supplying ,fabricating & fixing of 30mm thk second class teak wood shutter as per detailed drawing.The louver size is W x 50mmx 12mm. Window to be provided with following hardwares Hinges - 125x75x75mm Hinges Ab Magnum 12 nos Anchor fastner - 10mm x 100mm 6 nos Handle - 150mm Crown Handle AB Magnum 2 pair Tower bolt - 600 mm brass 4 nos along with all necessary materials, labours and supports complete etc.,	**3**	No.s	58,339.00	**1,75,017.00**	
7	**W9 - Fixed Glass + Fully panelled Shutter**					
	Supplying ,fabricating & fixing of 30mm thk second class teak wood shutter as per detailed drawing.Fixed glass to be 5mm thick of approved makes fixed with teak wood beading. window to be provided with following hardwares Hinges - 125x75x75mm Hinges Ab Magnum 12 nos Anchor fastner - 10mm x 100mm 6 nos Handle - 150mm Crown Handle AB Magnum 2 pair Tower bolt - 600 mm brass 4 nos along with all necessary materials, labours and supports complete etc.,	**4**	No.s	31,998.00	**1,27,992.00**	
8	**FG1 - Coloured Fixed Glass 1.067 x 4.877**					
	Supplying ,fabricating & fixing of second class Teak wood window of frame in size 100 X 75mm as per detailed drawing.finish. Colour glass to be 5mm thick of approved makes fixed with teak wood beading. The rate include all necessary materials, labours and supports complete etc., Anchor fastner - 10mm x 100mm 6 nos for fixed the frame	**4**	No.s	28,007.00	**1,12,028.00**	
	TOTAL FIRST FLOOR REPAIR WORKS				**14,81,985.00**	

PART C - BOQ OF CARPENTRY WORKS						
S.No	**DESCRIPTION**	**QTY**	**UNIT**	**RATE**	**AMOUNT**	**REMARKS**
C	**REPAIRING OF EXISITING DOOR AND WINDOWS**					
	The tenderer shall visit and inspect the site before quoting for the work					
9	Providing and fixing wooden planks in existing doors/Windows (Frame and Shutter) by carefully removing damaged wooden portions and replacing the same with new wooden planks of matching section and pattern, including necessary hardwares, cutting, fitting, finishing, necessary screws, nails, adhesives, tools and tackles complete, as per direction of Engineer-in-Charge.Actual qty may vary as per site condition. Note : The tenderer need to submit the rate breakup during bill verification	**1.75**	CUM	1,23,606.00	**2,16,310.50**	
10	Providing and fixing glass panels of thickness matching with existing size or mininum of 6mm thickness **(Stained/Coloured/Fixed)** in existing door/window shutters by removing damaged glass and replacing the same with new glass of matching thickness and type, including cutting, fitting, beading, necessary fixtures, tools and tackles complete, as directed by the Engineer-in-Charge.Actual qty may vary as per site condition. Note: The tenderer shall submit the detailed rate breakup during bill verification.	**15**	SQM	9,500.00	**1,42,500.00**	
TOTAL FOR FIRST FLOOR REPAIR OF EXISITING DOORS/WINDOWS WORK					**3,58,810.50**	
TOTAL FF CARPENTRY					**41,48,951.50**	
3	**MEZZANINE FLOOR LEVEL**					
A	**NEW JOINERY - WOOD WORK (FRAME & SHUTTER)**					
1	**Ventilator- Stained Fixed Glass 1.448M X 1.119M**				**-**	
	Supplying ,fabricating & fixing of second class Teak wood window of frame in size 100 X 75mm as per detailed drawing. Colour glass to be 6mm thick of approved makes fixed with teak wood beading. The rate include all necessary materials, labours and supports complete etc., Anchor fastner - 10mm x 100mm 6 nos for fixed the frame	**17**	No.s	22,285.00	**3,78,845.00**	
TOTAL MEZZANINE CARPENTRY					**3,78,845.00**	

PART C - BOQ OF CARPENTRY WORKS						
S.No	**DESCRIPTION**	**QTY**	**UNIT**	**RATE**	**AMOUNT**	**REMARKS**
4	**SECOND FLOOR JOINERY**					
A	**NEW JOINERY - WOOD WORK (FRAME & SHUTTER)**					
1	**D1 - Fully Panelled Door-Single Swing shutter 0.914M X 2.134M**					
	Supplying ,fabricating & fixing of second class Teak wood frame in size 125 x 100mm, 35mm thk second class teak wood shutter as per detailed drawing. Fixed glass to be 5mm thick of approved make. Door to be provided with following hardwares Hinges - 125x75x75mm Hinges AB Magnum 5 nos Anchor fastner - 10mm x 150mm 12 nos Handle - 300mm Crown Handle AB Magnum single Aldrop - 200 mm brass aldrop 1no Tower bolt - 600 mm brass 2 nos Door stopper - Brass 1 no alongwith all necessary materials, labours and supports complete etc.	**3**	No.s	46,189.00	**1,38,567.00**	
2	**DD3 - Stained Glass + Panelled - Double Swing shutter 1.448M X 2.210M**					
	Supplying ,fabricating & fixing of 35mm thk second class teak wood shutter as per detailed drawing.Stained glass to be 3 mm thick of approved make. Door to be provided with following hardwares Hinges - 125x75x75mm Hinges Ab Magnum 10 nos Anchor fastner - 10mm x 150mm 6 nos Handle - 300mm Crown Handle AB Magnum pair Aldrop - 300 mm brass aldrop 1 No Tower bolt - 600 mm brass 4 nos Door stopper - brass 2 no along with all necessary materials, labours and supports complete etc.,	**32**	No.s	89,601.00	**28,67,232.00**	
3	**W2 - Fixed glass + Fully Panelled Window -Double Swing shutter 1.067 X 1.372M**					
	Supplying ,fabricating & fixing of second class Teak wood frame in size 100 X 75mm, 30mm thk second class teak wood shutter as per detailed drawing. Fixed glass to be 5mm thick of approved makes fixed with teak wood beading. Window to be provided with following hardwares Hinges - 125x75x75mm Hinges Ab Magnum 8 nos Anchor fastner - 10mm x 100mm 10 nos Handle - 150mm Crown Handle AB Magnum pair Tower bolt - 200 mm brass 4 nos along with all necessary materials, labours and supports complete etc.,	**2**	No.s	39,395.00	**78,790.00**	
					-	
4	**V - Louvered ventilator 0.914 X 9.914M**				-	
	Supplying ,fabricating & fixing of second class Teak wood louvered ventilator of frame size 100x 75mm, as per detailed drawing. The louver size is W x 50mmx 12mm. The rate include all necessary materials, labours and supports complete etc., Anchor fastner - 10mm x 100mm 6 nos for fixed the frame	**2**	No.s	20,502.00	**41,004.00**	
	TOTAL SF NEW JOINERIES				**31,25,593.00**	
B	**NEW JOINERY - WOOD WORK (ONLY SHUTTER)**					
1	**DD1 - Fully Panelled Door -Double swing shutter 1.067M X 2.134M**				-	
	Supplying ,fabricating & fixing of 35mm thk second class teak wood shutter as per detailed drawing.Door to be provided with following hardwares Hinges - 125x75x75mm Hinges Ab Magnum 10 nos Anchor fastner - 10mm x 150mm 8 nos Tower bolt - 600 mm brass 4 nos Door stopper - brass 2 no along with all necessary materials, labours and supports complete etc.,	**1**	No.s	19,608.00	**19,608.00**	
					-	
2	**DD2 - Fully Panelled Door -Double swing shutter 1.219M X 2.210M**				-	

PART C - BOQ OF CARPENTRY WORKS						
S.No	**DESCRIPTION**	**QTY**	**UNIT**	**RATE**	**AMOUNT**	**REMARKS**
	Supplying ,fabricating & fixing of 35mm thk second class teak wood shutter as per detailed drawing.Door to be provided with following hardwares Hinges - 125x75x75mm Hinges Ab Magnum 10 nos Anchor fastner - 10mm x 150mm 8 nos Handle - 300mm Crown Handle AB Magnum pair Aldrop - 300 mm brass aldrop 1 No Tower bolt - 600 mm brass 4 nos Door stopper - brass 2 no along with all necessary materials, labours and supports complete etc.,	**4**	No.s	23,199.00	**92,796.00**	
					-	

PART C - BOQ OF CARPENTRY WORKS						
S.No	**DESCRIPTION**	**QTY**	**UNIT**	**RATE**	**AMOUNT**	**REMARKS**
3	**DD3 - Stained Glass + Panelled - Double Swing shutter 1.448M X 2.972M**				-	
	Supplying ,fabricating & fixing of 35mm thk second class teak wood shutter as per detailed drawing.Stained glass to be 3 mm thick of approved make. Door to be provided with following hardwares Hinges - 125x75x75mm Hinges Ab Magnum 10 nos Anchor fastner - 10mm x 150mm 8 nos Handle - 300mm Crown Handle AB Magnum pair Aldrop - 300 mm brass aldrop 1 No Tower bolt - 600 mm brass 4 nos Door stopper - brass 2 no along with all necessary materials, labours and supports complete etc.,	**13**	No.s	46,323.00	**6,02,199.00**	
					-	
4	**W0 - Fixed glass + Fully Panelled Window -Double Swing shutter 0.914M X 2.134M**				-	
	Supplying ,fabricating & fixing of 30mm thk second class teak wood shutter as per detailed drawing.Fixed glass to be 5mm thick of approved makes fixed with teak wood beading. Window to be provided with following hardwares Hinges - 125x75x75mm Hinges Ab Magnum 6 nos Anchor fastner - 10mm x 100mm 6 nos Handle - 150mm Crown Handle AB Magnum pair Tower bolt - 200 mm brass 4 nos along with all necessary materials, labours and supports complete etc.,	**4**	No.s	12,597.00	**50,388.00**	
					-	
5	**W1 - Fixed glass + Fully Panelled Window -Double Swing shutter 1.067M X 1.372M**				-	
	Supplying ,fabricating & fixing of 30mm thk second class teak wood shutter as per detailed drawing.Fixed glass to be 5mm thick of approved makes fixed with teak wood beading. Window to be provided with following hardwares Hinges - 125x75x75mm Hinges Ab Magnum 6 nos Anchor fastner - 10mm x 100mm 6 nos Tower bolt - 200 mm brass 4 nos along with all necessary materials, labours and supports complete etc.,	**12**	No.s	9,455.00	**1,13,460.00**	
					-	
6	**W2 - Fixed glass + Fully Panelled Window -Double Swing shutter 1.067M 1.372M**				-	
	Supplying ,fabricating & fixing of 30mm thk second class teak wood shutter as per detailed drawing.Fixed glass to be 5mm thick of approved makes fixed with teak wood beading. Window to be provided with following hardwares Hinges - 125x75x75mm Hinges Ab Magnum 6 nos Anchor fastner - 10mm x 100mm 6 nos Handle - 150mm Crown Handle AB Magnum pair Tower bolt - 200 mm brass 4 nos along with all necessary materials, labours and supports complete etc.,	**1**	No.s	9,455.00	**9,455.00**	
					-	
7	**W4/FG - Fixed glass + Fully Panelled Window -Double Swing shutter 1.067M X 1.981M**				-	
	Supplying ,fabricating & fixing of 30mm thk second class teak wood shutter as per detailed drawing.Fixed glass to be 5mm thick of approved makes fixed with teak wood beading. Window to be provided with following hardwares Hinges - 125x75x75mm Hinges Ab Magnum 6 nos Anchor fastner - 10mm x 100mm 6 nos Handle - 150mm Crown Handle AB Magnum pair Tower bolt - 200 mm brass 4 nos along with all necessary materials, labours and supports complete etc.,	**2**	No.s	13,652.00	**27,304.00**	
					-	
8	**W5a - Fixed glass + Fully Panelled Window -Double Swing shutter 1.219M X 1.372M**				-	

PART C - BOQ OF CARPENTRY WORKS						
S.No	**DESCRIPTION**	**QTY**	**UNIT**	**RATE**	**AMOUNT**	**REMARKS**
	Supplying ,fabricating & fixing of 30mm thk second class teak wood shutter as per detailed drawing.Fixed glass to be 5mm thick of approved makes fixed with teak wood beading. Window to be provided with following hardwares Hinges - 125x75x75mm Hinges Ab Magnum 6 nos Anchor fastner - 10mm x 100mm 6 nos Handle - 150mm Crown Handle AB Magnum pair Tower bolt - 200 mm brass 4 nos along with all necessary materials, labours and supports complete etc.,	**6**	No.s	10,802.00	**64,812.00**	
					-	

PART C - BOQ OF CARPENTRY WORKS						
S.No	**DESCRIPTION**	**QTY**	**UNIT**	**RATE**	**AMOUNT**	**REMARKS**
9	**W6 - Fixed glass + Fully Panelled Window -Double Swing shutter 1.372M X 2.057M**				-	
	Supplying ,fabricating & fixing of 30mm thk second class teak wood shutter as per detailed drawing.Fixed glass to be 5mm thick of approved makes fixed with teak wood beading. Window to be provided with following hardwares Hinges - 125x75x75mm Hinges Ab Magnum 6 nos Anchor fastner - 10mm x 100mm 6 nos Handle - 150mm Crown Handle AB Magnum pair Tower bolt - 200 mm brass 4 nos along with all necessary materials, labours and supports complete etc.,	**2**	No.s	18,227.00	**36,454.00**	
					-	
10	**W8 - Fixed stained Glass + louvered shutter + glazed shutter (Double Shutter) 1.448M X 2.057M**				-	
	Supplying ,fabricating & fixing of second class Teak wood window of frame in size 125 x 100mm, 30mm thk second class teak wood shutter as per detail architectural drawing.Fixed stained glass to be 3mm thick of approved makes fixed with teak wood beading. The louver size is W x 50mmx 12mm. Door to be provided with following hardwares. Hinges - 125x75x75mm Hinges Ab Magnum 12 nos Anchor fastner - 10mm x 100mm 6 nos Handle - 150mm Crown Handle AB Magnum 2 pair Tower bolt - 600 mm brass 4 nos along with all necessary materials, labours and supports complete etc.,	**12**	No.s	19,237.00	**2,30,844.00**	
					-	
11	**FG - Coloured Fixed Glass 1.524M X 2.033M**				-	
	Supplying ,fabricating & fixing of second class Teak wood window of frame in size 100 X 75mm as per detailed drawing. Colour glass to be 5mm thick of approved makes fixed with teak wood beading. The rate include all necessary materials, labours and supports complete etc., Anchor fastner - 10mm x 100mm 6 nos for fixed the frame	**4**	No.s	28,007.00	**1,12,028.00**	
	TOTAL SECOND FLOOR REPAIR WORKS				**13,59,348.00**	
C	**REPAIRING OF EXISITING DOOR AND WINDOWS**					
	The tenderer shall visit and inspect the site before quoting for the work					
12	Providing and fixing wooden planks in existing doors/Windows (Frame and Shutter) by carefully removing damaged wooden portions and replacing the same with new wooden planks of matching section and pattern, including necessary hardwares, cutting, fitting, finishing, necessary screws, nails, adhesives, tools and tackles complete, as per direction of Engineer-in-Charge.Actual qty may vary as per site condition. Note : The tenderer need to submit the rate breakup during bill verification	**1**	CUM	1,23,606.00	**1,23,606.00**	
13	Providing and fixing glass panels of thickness matching with existing size or mininum of 6mm thickness **(Stained/Coloured/Fixed)** in existing door/window shutters by removing damaged glass and replacing the same with new glass of matching thickness and type, including cutting, fitting, beading, necessary fixtures, tools and tackles complete, as directed by the Engineer-in-Charge.Actual qty may vary as per site condition. Note: The tenderer shall submit the detailed rate breakup during bill verification.	**30**	SQM	9,500.00	**2,85,000.00**	
	TOTAL FOR SECOND FLOOR REPAIR OF EXISITING DOORS/WINDOWS WORK				**4,08,606.00**	
	SUB TOTAL SECOND FLOOR CARPENTRY				**48,93,547.00**	
IV	**TERRACE FLOOR LEVEL**					
A	**NEW JOINERY - WOOD WORK (FRAME & SHUTTER)**					
1	**D - Fully Panelled Door-Single Swing shutter 0.914M X 1.600M**					

PART C - BOQ OF CARPENTRY WORKS						
S.No	**DESCRIPTION**	**QTY**	**UNIT**	**RATE**	**AMOUNT**	**REMARKS**
	Supplying ,fabricating & fixing of second class Teak wood frame in size 125 x 100mm, 35mm thk second class teak wood shutter as per detailed drawing.Fixed glass to be 5mm thick of approved make. Door to be provided with following hardwares. Hinges - 125x75x75mm Hinges AB Magnum 5 nos Anchor fastner - 10mm x 150mm 8 nos Handle - 300mm Crown Handle AB Magnum single Aldrop - 200 mm brass aldrop 1no Tower bolt - 600 mm brass 2 nos Door stopper - Brass 1 no along with all necessary materials, labours and supports complete etc.	**2**	No.s	34,631.00	**69,262.00**	

PART C - BOQ OF CARPENTRY WORKS						
S.No	**DESCRIPTION**	**QTY**	**UNIT**	**RATE**	**AMOUNT**	**REMARKS**
2	**D1 - Fully Panelled Door-Single Swing shutter 0.914M X 1.219M**					
	Supplying ,fabricating & fixing of second class Teak wood frame in size 125 x 100mm, 35mm thk second class teak wood shutter as per detailed drawing. Fixed glass to be 5mm thick of approved make. Door to be provided with following hardwares Hinges - 125x75x75mm Hinges AB Magnum 5 nos Anchor fastner - 10mm x 150mm 8 nos Handle - 300mm Crown Handle AB Magnum single Aldrop - 200 mm brass aldrop 1no Tower bolt - 600 mm brass 2 nos Door stopper - Brass 1 no along with all necessary materials, labours and supports complete etc.	**2**	No.s	26,385.00	**52,770.00**	
3	**Wooden Handrail**					
	Supplying ,fabricating & fixing of second class Teak Wood hand rail as per detailed drawing. All the members should be finished with clear natural melamine polish half matt and half glossy (suede) finish.The rate include all necessary materials, labours and supports complete etc.	**73.17**	Rm	14,760.00	**10,79,989.20**	
4	**V1 - Coloured glass ventilator 1.067M X 0.762M**					
	Supplying ,fabricating & fixing of second class Teak wood louvered ventilator of frame size 100x 75mm, as per detailed drawing. .The louver size is W x 50mmx 12mm. The rate include all necessary materials, labours and supports complete etc., Anchor fastner - 10mm x 100mm 6 nos for fixed the frame.	**14**	No.s	20,502.00	**2,87,028.00**	
SUB TOTAL TERRACE FLOOR CARPENTRY					**14,89,049.20**	
TOTAL FOR CARPENTY					**1,36,00,487.20**	

PART D - BOQ FOR MECHANICAL, ELECTRICAL, AND PLUMBING WORKS						
S.No	**DESCRIPTION**	**QTY**	**UNIT**	**RATE**	**AMOUNT**	**REMARKS**
A	**PLUMBING WORKS**					
	Down take pipe					
1	Supplying, fixing, testing and commissioning of storm water down take pipe system using NECO make CI pipes conforming to IS 3989, including all necessary fittings such as bends, tees, couplers, Y-junctions, reducers, adaptors, sockets, end plugs, clamps and supports, complete with jointing and fixing in position as required, including cutting, chasing,lead joint, drilling in block walls/floors/ducts wherever necessary and making good the damaged surfaces complete as required.					
i)	100mm dia	**130**	Mtr.	900.00	**1,17,000.00**	
ii)	150mm dia	**5**	Mtr.	1,200.00	**6,000.00**	
2	Repairing, servicing and cleaning of existing CI storm water drains, including rectification of damages/blockages and ensuring proper functionality of the system complete as required.	**1**	No.s	15,000.00	**15,000.00**	
	EXTERNAL:					
3	Supplying, laying, fixing, testing and commissioning of UPVC Foam Core pipes (SN-8 class) for external drainage system, including all necessary fittings such as tees, bends, couplers, reducers, adaptors, ring-fit/self-fit joints, solvent cement jointing wherever required, using manufacturer approved adhesive and accessories, suitable for buried application below ground level, including alignment, proper supports, cutting, jointing, testing and commissioning complete as required. (Earthwork excavation, sand bedding and concrete encasing shall be measured and paid separately under relevant items.)					
i)	150mm dia	**5**	Mtr.	850.00	**4,250.00**	
ii)	200mm dia	**5**	Mtr.	1,100.00	**5,500.00**	
4	Excavation in all types of soil for laying drainage and rain water pipes up to 200mm dia, including dressing and leveling of trench bottom to required grade, refilling with selected excavated earth, watering, ramming, consolidation, and disposal of surplus excavated earth within the site premises as directed by the Site Engineer, complete as required.					
i)	Regular Soil	**153**	CU.M	500.00	**76,500.00**	
5	Constructing sewer/drain/storm water manhole of internal size **450mm × 450mm** and depth not exceeding 600mm, with 230mm thick brick masonry walls in cement mortar 1:5, including 12mm thick internal plastering in cement mortar 1:3 with neat cement finish, complete with heavy duty SFRC manhole cover and frame, excavation, refilling, curing, disposal of surplus earth and all incidental works complete as required	**10**	Nos	15,000.00	**1,50,000.00**	
6	Constructing sewer/drain/storm water manhole of internal size **600mm × 600mm** and depth not exceeding 600mm, with 230mm thick brick masonry walls in cement mortar 1:5, including 12mm thick internal plastering in cement mortar 1:3 with neat cement finish, complete with heavy duty SFRC manhole cover and frame, excavation, refilling, curing, disposal of surplus earth and all incidental works complete as required	**2**	Nos	16,000.00	**32,000.00**	
				SUB TOTAL - PLUMBING	**4,06,250.00**	

PART D - BOQ FOR MECHANICAL, ELECTRICAL, AND PLUMBING WORKS						
S.No	**DESCRIPTION**	**QTY**	**UNIT**	**RATE**	**AMOUNT**	**REMARKS**
B	**ELECTRICAL**					
	PART- I : ELECTRICAL PANELS:					
	Electrical Scope of Work The electrical scope of work shall be limited to the following: Supply, installation, testing, and commissioning of the Sub Main Distribution Board (SMDB – Old Block), LSSB-01, and LDB-01 to LDB-07 panels. Supply and laying of power cables from SMDB (Old Block) to LSSB-01, from LSSB-01 to all LDB-01 to LDB-07 distribution boards, and from SMDB to the new lift. Supply and installation of LV cables, including all necessary cable trays, supports, and containment systems. Providing a complete earthing system for all panels, in accordance with applicable standards. Supply and installation of a lightning arrester system on the rooftop, including required down conductors and earthing. Execution of internal and external lighting works, including wiring, supply and installation of light fittings, ceiling fans, façade lighting, wall lights, and architectural lighting.					
	General Conditions: All works shall be executed strictly in accordance with the approved drawings, technical specifications, and relevant standards. Additionally, in the Ground Floor area occupied by SBI Main Branch and SBI Rajaji Salai Branch, all MEP works have already been completed by the client under Phase-01. Any electrical works within these areas are excluded from the current scope, as they have already been executed directly by the client.					
1	**SUB MAIN PANEL- SBI OLD BLOCK (SMDB- SBI OLD BLOCK) - FORM-04 FLOOR MOUNTED PANEL FABRICATED PANEL**					
	Supply of cubicle floor mounting type various Switch Boards made out of 16 Gauge CRCA sheet steel and 10 Gauge CR sheet for base frame , dust and vermin proof for indoor use rated for 433V, 3 phase 50 Hz AC supply 4 wire system comprising of the following as per the detailed specification. (Construction as per Technical specification).	**1**	L.S	45,820.00	**45,820.00**	
	CABLE ENTRY- ALL BOTTOM AND TOP					
	The painting of the complete system will be powder coated with seven tank process. (The colour as per the choice of the client).					
	All outgoing feeder terminals will be designed , suitable for terminating with 1.1 KV grade XLPE/PVC armoured cable and suitable removal type gland plate will be provided for each feeders.					
	Double earthing shall be provided in the side the fabricated panel.The earth bus bar of 25 x 6mm CU. Flat (As per Technical specification) with Green sleeve for the entire length of panel, will be extended outside to terminate with the main earth bus bar. All switch boards will be complete with chamber identification (such as Incoming chamber Bus Bar Chamber and Cable chamber), cable identification danger caution board floor mounting channels will also be provided . The rates will be for the entire board including supply of all components (as specified) including hardwares etc.,					
	INCOMING :1					
	400A TPN MCCB 35KA for EB incoming and Genset incoiming - **2Nos**				45,288.00	
	Multi function meter with V,A,Hz,KWH & PF,RYB indication lamps with control MCB'S , wire and wiring accessories etc., - 1 Set.				14,000.00	
	OUTGOING :					
	63A , 25KA,TP MCCB - **2 Nos.**				8,000.00	
	125A , 25KA,TP MCCB - **4 Nos.**				34,576.00	
	200A , 25KA,TP MCCB - **3 Nos.**				34,758.00	
	Bus Bar Size:2" x 1/4" Cu .flat 1 Run / Phase.				28,000.00	

PART D - BOQ FOR MECHANICAL, ELECTRICAL, AND PLUMBING WORKS						
S.No	**DESCRIPTION**	**QTY**	**UNIT**	**RATE**	**AMOUNT**	**REMARKS**
	1" x 1/4" Cu .flat 1 Run / Neutral .				14,000.00	
	EARTHING : 1/2" x 1/8" Cu Flat.				3,150.00	
	Paint: Powder Coating Process.	**1**	Set	1,81,772.00	**1,81,772.00**	
2	**LSSB-1 FABRICATED PANEL**					
	INCOMING :					
	125A TPN MCCB- **1 No.**				5,103.00	
	OUTGOING :					
	40A TPN MCB **- 10 Nos.**				5,690.00	
	Bus Bar Size: 1" x 1/8" Cu .flat 1 Run / Phase.				12,000.00	
	3/4" x 1/8" Cu .flat 1 Run / Neutral .				4,000.00	
	EARTHING : 1/2" x 1/8" Cu Flat.				6,000.00	
	Panel and fabrication cost				16,500.00	
	Paint: Powder Coating Process.	**1**	Set	49,293.00	**49,293.00**	
3	**LDB-1 to 7** **MAKE: LEGRAND SEVEN SEGMENT DB – 6078 66 OR EQIVALENT**					
	INCOMING :					
	40A 4P MCB - **1 No.**				569.00	
	OUTGOING :					
	25A DP RCBO (30mA) (to be changed to 32A) – **3 Nos.**				10,356.00	
	12 way Double Door DB				13,512.00	
	6A S P MCB – **18Nos.**				5,130.00	
		7	**Set**	**29,567.00**	**2,06,969.00**	
4	**Lift Lighting DB & Lift power Supply DB**					ok
	INCOMING :					
	6 way , Double door	**1**	No		2,390.00	
	16A 2P MCB - **1 No.**				472.00	
	OUTGOING :					
	25A DP RCCB (30mA) – **1 Nos.**				2,141.00	
	4 way Double Door DB				**4,377.00**	
	32A TP MCB – **1Nos.**				1,070.00	
	OUTGOING :					
	40A TPN RCCB (100mA) – **1 Nos.**				3,452.00	
		1	**SET**	**13,902.00**	**13,902.00**	
	TOTAL : PART – I : SMDB, LSSB-01 & LDB 01 TO 07 & Lift DB's				**4,51,936.00**	

PART D - BOQ FOR MECHANICAL, ELECTRICAL, AND PLUMBING WORKS						
S.No	**DESCRIPTION**	**QTY**	**UNIT**	**RATE**	**AMOUNT**	**REMARKS**
	PART – II : EARTHING MATERIALS:					
	Earthing System – Scope Supply and erection of earthing system for SMDB, LSSB-01, and lighting system. Providing GI pipe earth electrodes with required accessories and masonry chamber. Earthing conductors using GI strip of suitable sizes as per load requirement. Panel earthing (SMDB & LSSB-01) to achieve earth resistance of ≤ **1** Ohm. Lighting arrester system earthing to achieve ≤ **5** Ohms per earth pit, as per standards.					
1	Earthing with Cast Iron earth pipe 3Meter long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required. For Lightning arrester earthing - 4 Nos & 2Nos for Lifts, 2 Nos for Facade Lighting DB's, 2 Numbers for SMDB-Old Block	**10**	Set	12,500.00	**1,25,000.00**	
2	Providing and fixing 25 mm X 5 mm copper strip on surface or in recess for connections etc. as required (for SMDB to Earth - 2 Nos.	**12**	m	1,246.00	**14,952.00**	
3	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required. (for lighting Arrestors - 6 Nos to 4 Nos of Earth pit)	**80**	m	287.00	**22,960.00**	
4	Jointing copper / G.I. tape (with another copper/ G I tape, base of the finial or any other metallic object) by riveting / nut bolting/ sweating and soldering etc as required.	**6**	Each	139.00	**834.00**	
5	Providing and fixing testing joint, made of 20 mm X 3 mm thick G.I. strip, 125 mm long, with 4 nos. of G.I. bolts, nuts, chuck nuts and spring washers etc. complete as required.	**4**	Each	140.00	**560.00**	
6	8 Gauge Cu. Wire	**100**	Mtrs.	130.00	**13,000.00**	
7	10 Gauge Cu. Wire	**RO**	Mtrs.	100.00		
8	14 Gauge Tin Cu. Wire	**3**	Kgs	1,000.00	**3,000.00**	
9	Supply and Erection of 25 x 6mm Cu. Earth Clamp.	**6**	Nos.	500.00	**3,000.00**	
	Note: Earth pits are considered only for the New SMDB, New Lighting DBs, lifts, and the new lightning arrestor system.					
	TOTAL : PART - II - EARTHING MATERIALS:				**1,83,306.00**	
	PART – III: L.T. CABLES :					
	Supply and laying of 1.1 kV grade XLPE insulated, PVC sheathed, armoured aluminium and copper conductor cables, conforming to IS 7908 (Part 1): 1988, of the following sizes, as per technical specifications.					
1	4 Core × 6 sq.mm Copper Conductor, XLPE Insulated, FRLS PVC Sheathed, Armoured Cable (1.1 kV Grade).	**450**	Mtrs.	1,183.00	**5,32,350.00**	
2	4 Core × 10 sq.mm Copper Conductor, XLPE Insulated, FRLS PVC Sheathed, Armoured Cable (1.1 kV Grade) for new lift power supply from SMDB (Old Block).	**66**	Mtrs.	1,810.00	**1,19,460.00**	
3	3.5 Core × 50 sq.mm Aluminium Conductor, XLPE Insulated, PVC Sheathed, Armoured Cable (1.1 kV Grade).	**100**	Mtrs.	1,440.00	**1,44,000.00**	
4	3.5 Core × 400 sq.mm Aluminium Conductor, XLPE Insulated, PVC Sheathed, Armoured Cable (1.1 kV Grade), from existing LV panel to New SMDB (Old Block).	**20**	Mtrs.	7,498.00	**1,49,960.00**	
	Note: The above-mentioned cable quantities are considered only for the New SMDB, Lighting DBs, and lifts. Cable quantities for HVAC equipment, UPS and its associated DBs, and other power supply DBs are not included in the current scope. All indicated cable quantities are approximate. Final billing shall be based on actual site measurements of cables laid, duly verified and certified by the Client/Consultant.					
	Total : PART – III : L.T. CABLES :				**9,45,770.00**	

PART D - BOQ FOR MECHANICAL, ELECTRICAL, AND PLUMBING WORKS						
S.No	**DESCRIPTION**	**QTY**	**UNIT**	**RATE**	**AMOUNT**	**REMARKS**
	PART – IV : CABLE TERMINATION MATERIALS					
	Supply and Fixing of End Termination of the following cables by using of siemens type & Flange type glands, crimping sockets and glands earthing with all accessories required to complete the work.					
1	4 C x 6 Sq mm Cu. Ar XLPE cable.	**14**	Nos	312.00	**4,368.00**	
2	4 C x 10 Sq mm Cu. Ar XLPE cable.	**4**	Nos	312.00	**1,248.00**	
3	3 ½ C x50 Sq mm Al. Ar XLPE Cable.	**6**	Nos	484.00	**2,904.00**	
4	3 ½ C x 400 Sq mm Al. Ar XLPE Cable.	**2**	Nos	1,713.00	**3,426.00**	
	Total : PART – IV : CABLE TERMINATION MATERIALS				**11,946.00**	
	PART– V : MISCELLANEOUS					
1	Supply & Erection of cable racks, clamps and other electrical equipments supporting angle iron frame work using MS materials as per the site requirements. The fabricated materials shall be painted **(This is only item it can be 'L' angle, flat depands up on the site condition)**	**4000**	Kgs	95.00	**3,80,000.00**	
2	Supply & Erection of 450 mm width X 62.5 mm depth X 2.0 mm thickness GI perforated cable tray without Cover	**100**	Mtrs	1,348.00	**1,34,800.00**	
3	Supply & Erection of 300 mm width X 62.5 mm depth X 2.0 mm thickness GI perforated cable tray without Cover	**350**	Mtrs	1,025.00	**3,58,750.00**	
4	Supply & Erection of 150 mm width X 50 mm depth X 1.6 mm thickness GI perforated cable tray without Cover	**250**	Mtrs	686.00	**1,71,500.00**	
5	Supply & Erection of 100 mm width X 50 mm depth X 1.6 mm thickness GI perforated cable tray without Cover	**200**	Mtrs	623.00	**1,24,600.00**	
	TOTAL : PART– V : MISCELLANEOUS				**11,69,650.00**	
	PART– VI : LIGHTING ACCESSORIES (INTERNAL)					
1	Supply & Wiring – Point Wiring (Limited to 5 Mtrs.) Supply and wiring with 2 runs of 1.5 sq.mm PVC insulated, 660V grade FR/FRLS copper conductor wires, along with 1 run of 1.5 sq.mm FR copper conductor wire for earthing, drawn through 19 mm dia MS conduit (16 gauge thickness), surface-mounted on walls/trusses. The scope shall include supply and fixing of all necessary accessories such as bends, couplers, saddles, junction boxes, inspection boxes, etc., complete The point wiring shall be provided with common neutral and shall include providing and fixing of heritage-type switch, housed in teak wood box, including all interconnections and terminations. The wiring shall be complete with all connections, testing, and commissioning, up to a maximum length of 5 meters per point.					
a	Light point wiring for a group of 4 to 5 lights, controlled by a 6A one-way Heritage-type switch, housed in a teak wood box (size as per site conditions), as per Architect/Client approval.	**640**	Nos	1,661.00	**10,63,040.00**	
b	Ceiling fan point wiring with Step regulator, controlled by a 6A one-way Heritage-type switch, housed in a teak wood box (size as per site conditions), as per Architect/Client approval.	**100**	Nos	2,078.00	**2,07,800.00**	
2	Exhaust fan point wiring, including provision and fixing of a 6A, 2/3-pin socket outlet controlled by a switch. The socket outlet shall be installed at an independent location, while the controlling switch shall be grouped with other control switches.	**3**	Nos	1,661.00	**4,983.00**	
3	Supply & Laying of 2 Runs of 1.5 Sq mm. and 1 Run of 1 Sqmm. PVC Cu. Wire in 19mm dia **MS conduit pipe** for Excess Lenght & 6A Plug Point Incoming circuit.	**2250**	Mtrs	370.00	**8,32,500.00**	
4	Supply & Laying of 2 Runs of 2.5 Sq mm. and 1 Run of 2.5/1.5 Sqmm. PVC Cu. Wire in 19mm dia MS conduit pipe for Incoming circuit main,16A Plug Point Incoming circuit & UPS Circuit	**2500**	Mtrs	414.00	**10,35,000.00**	
	TOTAL : PART – VI : LIGHTING ACCESSORIES (INTERNAL) : -				**31,43,323.00**	

PART D - BOQ FOR MECHANICAL, ELECTRICAL, AND PLUMBING WORKS						
S.No	**DESCRIPTION**	**QTY**	**UNIT**	**RATE**	**AMOUNT**	**REMARKS**
	PART– VII : LIGHT FITTINGS & FANS (INTERNAL)					
1	Supplying, Installation, Testing & Commissioning of LED Surface-Mounted Batten Light Fitting Supply, installation, testing and commissioning of LED surface-mounted batten light fitting, conforming to IS 10322, with replaceable driver, complete as required. Technical Specifications: Driver efficiency: > 85% Operating voltage: AC 140–270 V, 50/60 Hz Operating temperature: -5°C to +40°C Internal surge protection: 2.5 kV Protections: Short circuit & open circuit protection THD: < 10%,Power factor: ≥ 0.95,IP rating: IP20 CRI: ≥ 80,Flicker: < 5% (flicker-free) Lifetime: Minimum 50,000 burning hours with ≥ 70% lumen maintenance (L70) CCT: 3000K / 4000K / 5700K / 6500K (as per ANSI binning) Fitting Details: 20W LED tube/batten light fitting Model: BN308C LED20S-6500 L60 PSU WH or equivalent Make: Philips or equivalent approved make CCT: Neutral White (4000K) Complete with all accessories as required for proper installation	**584**	Nos	787.00	**4,59,608.00**	
2	Supply & Fixing of LED 10w wall light fitting (BN021C LED10S-6500 PSU GR S1) Make:-Philips or equivalent	**32**	Nos	878.00	**28,096.00**	
3	Brush Less Direct Current (BLDC) Fan with Supply, Installation, Testing and Commissioning of ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. metal(Aluminium alloy) blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, steel/Al body. Power Factor not less than 0.9, Service Value (CM/M/W) minimum as below, 350 RPM (tolerance as per IS : 374-2019), THD (Total Harmonic Distortion) less than 10%, remote (preferably mobile app based) for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 0C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC supply Ceiling Fan compliant to IS 374:2019 fan i/c external connections with 1.5 sq.mm FRLS/HFFR, PVC insulated copper conductor single core cable and earthing etc. as required. 1200mm Ceiling fan (BLDC) Fan	**100**	Nos	2,882.00	**2,88,200.00**	
4	Supply & Fixing of Architectural Light fitting for interiors (Make:-Philips or equivalent/ architect Approval)	**56**	Nos	6,500.00	**3,64,000.00**	
	TOTAL: PART – VII : LIGHT FITTING & FANS (INTERNAL)				**11,39,904.00**	
	PART– VIII : LIGHTNING ARRESTER					
1	**ESE Airterminal & Accessorries**					
	Lightning Arrester-ESE 65 Air Terminal(79Mtrs Radius coverage)	**1**	set			
	Aluminium Supporting Mast					
	Adaptor with Terminal Lug					
2	**Downconductor & Accessorries**					
	Copper Cable (Double run as per NFC17-2011 Sept) with Pvc conduit pipe	**1**	set			
3	**Lightning Strike Recorder**					
	Lightning Strike Recorder (LSR1)	**1**	set			
4	**Earthing Material**					
	Ground Resistance Improvement Powder 25kg x 2 bag	**1**	set			
	Ground Rod 50mm dia 3mtrs length chemical GI rod – 3 Nos					
		1	Set	175000	**1,75,000.00**	
	PART - VIII - LIGHTNING ARRESTER:				**1,75,000.00**	

PART D - BOQ FOR MECHANICAL, ELECTRICAL, AND PLUMBING WORKS						
S.No	**DESCRIPTION**	**QTY**	**UNIT**	**RATE**	**AMOUNT**	**REMARKS**
	Exclusions from Electrical Scope of Work The following electrical works are excluded from the present scope: Supply, installation, testing, and commissioning of the UPS system and associated UPS Distribution Boards. Panels including PSB-01, PDB-01 to PDB-07, and UPS LDB-01 & LDB-02. Power supply and cabling for the above-mentioned distribution boards and other related equipment. Final connections for air-conditioning systems, power socket outlets, and UPS socket outlets. Only provision has been made in the SMDB – Old Block for future connections. These works shall be carried out by the occupants at a later stage, based on their specific requirements. At present, only the required power provisions / feeder arrangements have been provided in the SMDB – Old Block, as per the client's instructions.					
	Additionally, in the Ground Floor area occupied by SBI Main Branch and SBI Rajaji Salai Branch, all MEP works have already been completed by the client under Phase-01. Any electrical works within these areas are excluded from the current scope, as they have already been executed directly by the client.					
	TOTAL PART IX- SUPPLY AND ERECTION OF SAFETY EQUIPMENTS IN THE BUILDING				**-**	
				MEP TOTAL	**76,27,085.00**	

LIST OF APPROVED MAKES OF MATERILA FOR HERITAGE STRUTURE (ISI MAKE)		
SL NO	**NAMES OF MATERIALS**	**APPROVED MAKES**
1	Brick - size, color and specifications to match with the bricks at site	First Quality Country Burned Bricks / Table Moulded Bricks or Equivalent
2	Sand	M' sand and 'P' Sand from local quarry / dealers
3	Lime mortar - as per the technical specifications	nearest available quarry / dealers (Pollachi, Pondicherry, Andhra)
4	Stone - size, color and specifications to match with the stones at site	nearest available quarry / stone workshops (Mamallapuram / Rasipuram / Narthamalai, Sholingar)
5	Wood - for Madras Terrace Roof	2nd Class Benin Teak / Cameron Teak / African Teak with **Basic cost - Rs. 106,000 / Cum**
6	Wood - for joineries	2nd Class Benin Teak / Cameron Teak / African Teak with **Basic cost - Rs. 106,000 / Cum**
7	Rolled steel (joists / girders)	Tata / Vizag / SAIL or eq
8	Paint remover for wooden surfaces / iron surfaces	Boiled linseed oil, laquer thinner / paint thinner of ISO make as required
9	Primer for wooden surfaces	Wood primer - Asian / Nippon / Berger or eq
10	Primer for metal surfaces	Wood primer - Asian / Nippon / Berger or eq
11	Cement Paint	Supercem / Snowcem or Equivalent
12	Wall Primer - water based	Asian Primero with sealer / Nippon / Berger or Equivalent
13	Wall paint - Exterior Emulsion	Breathable paint from Zydex / Novosil / Keim Paints suitable for exterior
14	Wall / ceiling paint - Interior Emulsion	Breathable paint from Zydex / Novosil / Keim Paints suitable for Interior
15	Metal Primer	Zinc chromite / Epoxy primer in Asian / Nippon / Berger or eq
16	Metal Paint	Epoxy enamel in Asian / Nippon / Berger or eq
17	Melamine Polishing of woodwork	Sheenlac / Asian / Nippon or eq
18	Wall paint - exposed brickwork	Tile guard clear - Asian or eq
19	Cuddappah & Kotah stone	nearby quarry / local dealership