TAMIL NADU POLICE HOUSING CORPORATION LIMITED

No.1, WHITES ROAD, ROYAPETTAH CHENNAI - 14.

SCHEDULE 'A'

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A. The Quantities here given are those upon which the lumpsum tender cost of work is based, but they are subject to alterations, omission, deduction or additions are provided for in the conditions of this contract and do not necessarily show the actual quantity of work to be done. The Unit rates noted below are those governing payments for extras or deductions for omission according to the conditions of the contract asset forth in the preliminary specifications of General conditions of specifications and other conditions of specifications of this contract.

B. It is to be expressly understood that the measured work is to be taken nett not withstanding any custom or practice to the contrary according to the actual quantities when in place and finished according to the drawing or as may be ordered from time to time by the Chief Engineer and the cost calculated-by measurement or weight at the respective prices without additional charge for any necessary or contingent works connected herewith. The rates quoted are for works in situ and complete in every respect.

C. Unavoidable delays may entail in rare instances, for delays beyond 3 months after execution of agreement, offer may be withdrawn / cancelled, validity shall be however optional subject to mutual consent by the contractor and TNPHC at agreed rates without extras.

D. As a result of continuous improvements contemplated by the TNPHC in layouts / type designs, substantial variations might occur in one or more items. The tenderer will be expected to adopt such modifications whenever necessiated and ordered for.

E. If rarely owing to non availability of vacant lands in the site mentioned in the notification, change of site either partly or wholly is warranted, the tenderer shall accept to execute work accordingly as may be necessiated and ordered for at agreed rates or derived rates.

S. No.	QUANTITY	DESCRIPTION OF WORK	TNBP No.	RATE IN FIGURES AND WORDS	UNIT IN FIGURES AND IN WORDS	AMOUNT
1	2	3	4	5	6	7
1.1		**Earth work excavation** for foundation in all soils and sub-soils and to the required depth may be directed except in hard rock requiring blasting but inclusive of shoring, strutting, and bailing out water wherever necessary and **refilling the sides of foundation with excavated earth** in 150mm thick layers well watered rammed and consolidated and depositing the surplus earth in places shown clearing and levelling the sites with an initial leads to 10 metres and lift as specified here under etc. complete in all respects complying with relevant standard specifications. **(Including Refilling)**	17, 23 & 24			
		a) 0 to 2m depth.			1m^3 (One Cubic metre)	
		b) 2 to 3m depth.			1m^3 (One Cubic metre)	
1.2		**Earth work excavation** for foundation in all soils and sub soils and to the required depth as may be directed except in hard rock requiring blasting, inclusive of shoring, strutting and bailing out water wherever necessary, **(Excluding refilling the side of foundation)** and depositing the earth in places shown clearing and levelling the site with an initial lead of 10 metres and lift as specified hereunder etc., complete in all respects complying with relevant standard specifications. **(Excluding Refilling)**	17 & 20			
		a) 0 to 2m depth.			1m^3 (One Cubic metre)	
		b) 2 to 3m depth.			1m^3 (One Cubic metre)	
1.3.		**Earth work excavation** for foundation in **soft disintegrated rock,** soft laterite rock or Kankar soft rock not requiring blasting inclusive of shoring, strutting and bailing out water wherever necessary and refilling the sides of foundation with excavated earth in 150 mm thick layers well watered rammed and consolidated and depositing the surplus earth in places shown clearing and levelling the sites with an initial lead of	17, 23 & 24			

S. No.	QUANTITY	DESCRIPTION OF WORK	TNBP No.	RATE IN FIGURES AND WORDS	UNIT IN FIGURES AND IN WORDS	AMOUNT
1	2	3	4	5	6	7
		10 metres and lift as specified hereunder etc., complete in all respects complying with relevant standard specifications.				
		a) 0 to 2m depth.			$1m^3$ (One Cubic metre)	
		b) 2 to 3 m depth.			$1m^3$ (One Cubic metre)	
1.4.		Earth work excavation for **Open Foundation** in all soils and sub soils and to the required depth may be directed except in hard rock requiring blasting but inclusive of shoring, strutting and bailing out water wherever necessary and **refilling the sides of foundation with excavated earth** in 150 mm thick layers well watered rammed and consolidated and depositing the surplus earth in places shown clearing and levelling the sites with an initial lead of 10 metres and lift as specified hereunder etc., complete in all respects complying with relevant Standard Specifications **(Including Refilling)**	17, 23 & 24			
		a) 0 to 2m depth.			$1m^3$ (One Cubic metre)	
		b) 2 to 3m depth.			$1m^3$ (One Cubic metre)	
1.5.		Earth work excavation for **Open Foundation** in all soils and sub-soils and to the required depth as may be directed except in hard rock requiring blasting, inclusive of shoring, strutting and bailing out water wherever necessary. **(Excluding refilling the sides of foundation)** and depositing the earth in places shown clearing and levelling the site with an initial lead of 10 metres and lift as specified hereunder etc., complete in all respects complying with relevant Standard specifications **(Excluding Refilling).**	17 & 20			
		a) 0 to 2m depth.			$1m^3$ (One Cubic metre)	
		b) 2 to 3m depth.			$1m^3$ (One Cubic metre)	
1.6.		Earth work excavation for **Open Foundation** for drains and sullage drains in all soils and subsoils and to the				

S. No.	QUANTITY	DESCRIPTION OF WORK	TNBP No.	RATE IN FIGURES AND WORDS	UNIT IN FIGURES AND IN WORDS	AMOUNT
1	2	3	4	5	6	7
		required depth as may be directed except in hard rock requiring depth as may be directed except in hard rock requiring blasting, inclusive of shoring, strutting and bailing out water wherever necessary. **(Excluding refilling the sides of foundation)** and depositing the earth in placed shown clearing and leveling the site with an initial lead of 10 metres and lift as specified hereunder etc., complete in all respects complying with relevant standard specification **(Excluding Refilling**) (Drain width upto 1.25 metre).				
		a) 0 to 2m depth.			1m^3 (One Cubic metre)	
		b) 2 to 3m depth.			1m^3 (One Cubic metre)	
2.1		Supplying and filling in foundation and basement with filling sand in layers of 150 mm thickness well watered, rammed and consolidated complying with relevant Standard specification including cost of supplying filling sand.	24 & 25		1m^3 (One Cubic metre)	
2.2		Providing **Sand Gravel** mix for foundation and basement in layers of 150mm thickness well watered, rammed and consolidated complying with relevant Standard specifications. The sand grave mix will be a proportion of 1:1 (i.e.) 0.70m^3 of filling sand, 0.72m^3 of gravel for every 1.00 m^3 compacted volume of sand gravel mix including cost and conveyance of sand and gravel from approved quarrys to work site including labour charges from mixing sand and gravel in the required proportion and consistency using soft potable water including all leads for water, spreading the mix in layers consolidating the same as directed by the departmental officers.	17 & 20		1m^3 (One Cubic metre)	
2.3		**Supplying and filling with 40mm size broken brick jelly** in foundation and basement and other similar works including cost of materials, labour charges, etc., all complete and as directed by the departmental officers.			1m^3 (One Cubic metre)	

S. No.	QUANTITY	DESCRIPTION OF WORK	TNBP No.	RATE IN FIGURES AND WORDS	UNIT IN FIGURES AND IN WORDS	AMOUNT
1	2	3	4	5	6	7
2.4		**Supplying and filling with 20 mm size broken brick jelly** in foundation and basement and other similar works including cost of materials, Labour charges etc., all complete and as directed by the departmental officer.	17 & 20		$1m^3$ (One Cubic metre)	
2.5		Providing **Gravel soling** of 150mm tk. (consolidated thickness) including cost and conveyance of good gravel of approved quality and stacking to departmental gauge for pre-measurement to the work spot, labour charges watering with soft, potable water and including cost and lead of water and consolidated by using power rollers at 8 to 10 tonne capacity including cost of tools and plants, fuel charges, labour charges etc., all complete and as directed by the departmental officers.			$1m^3$ (One Cubic metre)	
3.1		**CC 1:5:10** (One of cement, five of sand and ten of hard broken stone Jelly) for foundation using 40 mm gauge broken stone jelly inclusive of shoring, strutting and bailing out water wherever necessary ramming, curing etc., complete in all respects complying with relevant standard specifications and as directed by the Departmental officers.	28		$1m^3$ (One Cubic metre)	
3.2		**Plain cement concrete 1:2:4** (One of cement two of sand and four of HBS jelly) using 20m gauge hard broken stone jelly excluding the shuttering and centering but including laying, curing and finishing with relevant standard specifications in foundation and basement, and other similar works & as directed by the departmental officers.	30		$1m^3$ (One Cubic metre)	
3.3		**C.C.1:8:16** (One of cement, eight of sand and sixteen of broken brick jelly) for foundation and other similar works **using 20mm gauge broken Brick Jelly** inclusive of shoring, strutting and bailing out water wherever necessary ramming, curing etc., complete in all respects complying with relevant standard specifications and			$1m^3$ (One Cubic metre)	

S. No.	QUANTITY	DESCRIPTION OF WORK	TNBP No.	RATE IN FIGURES AND WORDS	UNIT IN FIGURES AND IN WORDS	AMOUNT
1	2	3	4	5	6	7
		as directed by the Departmental officers.				
3.4		Providing **Water Bound Macadam Road** 125 mm tk. in two layers and the Ist layer of 75 mm thick with 50 mm size IRC metal with 25 mm thick gravel blindage and 2nd layer of 50mm thick with 40mm size IRC metal with 20mm thick gravel blindage including cost and conveyance of IRC metal and gravel of approved quality to work site, labour charges for spreading, water of soft potable including cost and lead and stacking to departmental gauge for pre-measurement of, for water and consolidated by using power rollers of 8 to 10 tonne capacity for both layers, labour charges for waters both layers for 20 days and regulating traffic, hire charges for tools and plants, fuel charges, labour charges etc., all complete and as directed by the departmental officers.			1m^2 (One Square metre)	
3.5		**Surface dressing over WBM** with precoated chips using 2.50m^3 of 12mm chips per 100m^2 and 4.80 kg of bitumen for 1.0m^3 of chips for one mixing and 100 kg of bitumen for tack coat per 100m^2 and spreading river sand at the rate of 0.145m3 / 100m^2 including cost of metal, bitumen of grade 80/100, and rolling and consolidating by power roller, 8 to 10 tonne capacity including hire charges for tools and plants, fuel charges, etc. all complete and as directed by the departmental officers.(The bitumen 80/100 grade should be got approved from the Executive Engineer before use.)			1m^2 (One Square metre)	
4.1		**Cement Concrete 1:2:4** (One of cement, two of sand and four of stone jelly) for all reinforced cement concrete works, namely plinth beams, tie beams, column and column footing, slabs using 20mm gauge hard broken stone jelly excluding the cost and fabrication of reinforcement grills, shuttering and centering but including vibrating, laying, curing, with relevant standard specifications in **Foundation and Basement.**	30		1m^3 (One Cubic metre)	

S. No.	QUANTITY	DESCRIPTION OF WORK	TNBP No.	RATE IN FIGURES AND WORDS	UNIT IN FIGURES AND IN WORDS	AMOUNT
1	2	3	4	5	6	7
4.2		**Cement Concrete 1:11/2:3** (One of cement, one and half of sand and three of stone jelly) for all reinforced cement concrete works, namely plinth beams/column/tie beams, column footings, slab using 20mm gauge hard broken stone jelly excluding the cost and fabrication of reinforcement grills, shuttering and centering but including, vibrating, laying, curing, with relevant standard specifications in **Foundation and Basement.**	30		1m^3 (One Cubic metre)	
5		**Randum Rubble masonry** works in cm 1:5 (One of cement and five of sand) using selected SS Stones and bond stones in foundation and basement, including dewatering wherever neceesary, proper setting, curing etc., complete in all respects complying with relevant standards specifications.	35-H		1m^3 (One Cubic metre)	
6.1		**Brick work in cm 1: 5** (One of cement and five of sand) using **Chamber burnt bricks** of size 9" x 4 3/8" x2¾" **(230 x 112 x 70mm)** in foundation and basement including dewatering wherever necessary proper setting, curing etc., complete with relevant standard specifiations.	31 & 31-C		1m^3 (One Cubic metre)	
6.2		**Brick work in cm 1:5** (One of cement and five of sand) using **chamber burnt bricks** of size 9"x4½"x3" **(23x11.4x7.5 cm)** in foundation and basement including dewatering wherever necessary proper setting, curing etc., complete with relevant standard specifications.	31 & 31-C		1m^3 (One Cubic metre)	
6.3		**Brick work in cm 1:5** (One of cement and five of sand) using chamber burnt bricks of size 9"x4¼"x2¾" **(23x11x7cm)** in foundation and basement including dewatering wherever necessary proper setting, curing etc. complete with relevant standard specifications.	31 & 31-C		1m^3 (One Cubic metre)	
6.4		**Brick work in cm 1:5** (One of cement and five of sand) using **chamber burnt bricks** of size 8¾"x4¼"x2¾"	31 & 31-C		1m^3 (One Cubic metre)	

S. No.	QUANTITY	DESCRIPTION OF WORK	TNBP No.	RATE IN FIGURES AND WORDS	UNIT IN FIGURES AND IN WORDS	AMOUNT
1	2	3	4	5	6	7
		(22x11x7cm) in foundation and basement including dewatering wherever necesary proper setting, curing etc., complete with relevant standard specifications.				
6.5		**Brick work in cm 1:5** (One of cement and five of sand) using **Kiln burnt country bricks** of size 8¾"x4¼"x2¾" (22x11x7cm) in foundation and basement including dewatering wherever necesary proper setting, curing etc., complete with relevant standard specifications.	31 & 31-C		1m^3 (One Cubic metre)	
6.6		**Brick work in cm 1:5** (One of cement and five of sand) using **Kiln burnt country bricks** of size 8¾"x4¼"x2¼" **(22x11x5.7cm)** in foundation and basement including dewatering wherever necesary proper setting, curing etc., complete with relevant standard specifications.	31 & 31-C		1m^3 (One Cubic metre)	
7.1		**Damp proof course in CM 1:4** (One of cement and four of sand) 12mm thick mixed with crude oil @ 5% by weight of cement finishing, curing etc., complete and as directed by the departmental officers.			1m^2 (One Square metre)	
7.2		Supplying and fixing of **20mm thick bituminous expansion joint filler pad** of approved quality and make inclusive of conveyance charges, cutting the pad to the required size, cost of materials and labour charges for fixing in position wherever necessary for all floors etc., complete and as directed by the departmental officers.			1m^2 (One Square metre)	
8.1.		**Cement Concrete 1:2:4** (One of cement , two of sand and four of HB stone jelly) for all **RCC works** namely TEE, ELL or rectangular beams, lintel, parapet cum drops, waist and landing slab, canophy, circular column, fin projects, sunshades, window boxing slab, slab and other similar works using 20mm gauge hard broken stone jelly excluding the cost and fabrication of reinforcement grills, shuttering and centering but including	30			

S. No.	QUANTITY	DESCRIPTION OF WORK	TNBP No.	RATE IN FIGURES AND WORDS	UNIT IN FIGURES AND IN WORDS	AMOUNT
1	2	3	4	5	6	7
		vibrating, laying, curing, finishing etc., complying with relevant standard specifications in the following floors.				
		(a) In Ground Floor			$1m^3$ (One Cubic metre)	
		(b) In first Floor			$1m^3$ (One Cubic metre)	
		(c) In Second floor			$1m^3$ (One Cubic metre)	
		(d) In Third Floor			$1m^3$ (One Cubic metre)	
		(e) In Fourth floor			$1m^3$ (One Cubic metre)	
8.2.		**Cement concrete 1:11/2:3** (One of cement, one and half of sand and three of HB stone jelly) for all **RCC works** namely Tee, Ell rectangular beams, lintel, parapet cum drops, waist and landing slab, canophy , circular column, fins projects, sunshades, window boxing slab, loft and other similar works using 20mm gauge hard broken stone jelly excluding the cost and fabrication of reinforcement grills, shuttering and centering but including vibrating, laying, curing and finishing etc., complying with relevant standard specifications in the following floors.	30			
		(a) In Ground Floor			$1m^3$ (One Cubic metre)	
		(b) In First Floor			$1m^3$ (One Cubic metre)	
		(c) In Second Floor			$1m^3$ (One Cubic metre)	
		(d) In Third Floor			$1m^3$ (One Cubic metre)	
		(e) In Fourth Floor			$1m^3$ (One Cubic metre)	
9.1.		**Brick work in cement mortor 1:6** (One of cement and six of sand) using **Chamber burnt bricks** of size 9"x4-3/8"x2-3/4" **(23x11.2x7cm)** for super structure in the following floors including labour for fixing the doors, windows and ventilator frames in position, fixing of hold fasts, scaffoldings, curing etc., complete in all respect complying and relevant	31 & 31-C			

S. No.	QUANTITY	DESCRIPTION OF WORK	TNBP No.	RATE IN FIGURES AND WORDS	UNIT IN FIGURES AND IN WORDS	AMOUNT
1	2	3	4	5	6	7
		standard specifications and drawings				
		(a) In Ground Floor			$1m^3$ (One Cubic metre)	
		(b) In First Floor			$1m^3$ (One Cubic metre)	
		(c) In Second Floor			$1m^3$ (One Cubic metre)	
		(d) In Third Floor			$1m^3$ (One Cubic metre)	
		(e) In Fourth Floor			$1m^3$ (One Cubic metre)	
9.2.		**Brick work in Cement Mortar 1:6** (One of cement and six of sand) using **Chamber burnt bricks** of size 9"x4½X3" **(23x11.4x7.5cm)** for super structure in the following floors including labour for fixing the doors, windows and ventilator frames in position, fixing of hold fasts, scaffoldings, curing etc., complete in all respect complying and relevant standard specifications and drawings	31 & 31-C			
		(a) In Ground Floor			$1m^3$ (One Cubic metre)	
		(b) In First Floor			$1m^3$ (One Cubic metre)	
		(c) In Second Floor			$1m^3$ (One Cubic metre)	
		(d) In Third Floor			$1m^3$ (One Cubic metre)	
		(e) In Fourth Floor			$1m^3$ (One Cubic metre)	
9.3.		**Brick work in Cement Mortar 1:6** (One of cement and six of sand) using Chamber burnt bricks of size 9"x4¼"x2¾" **(23x11x7cm)** for super structure in the following floors including labour for fixing the doors, windows and ventilator frames in position, fixing of hold fasts, scaffoldings, curing etc., complete in all respect complying and relevant standard specifications and drawings	31 & 31-C			
		(a) In Ground Floor			$1m^3$ (One Cubic metre)	
		(b) In First Floor			$1m^3$ (One Cubic metre)	

S. No.	QUANTITY	DESCRIPTION OF WORK	TNBP No.	RATE IN FIGURES AND WORDS	UNIT IN FIGURES AND IN WORDS	AMOUNT
1	2	3	4	5	6	7
		(c) In Second Floor			1m^3 (One Cubic metre)	
		(d) In Third Floor			1m^3 (One Cubic metre)	
		(e) In Fourth Floor			1m^3 (One Cubic metre)	
9.4.		Brick work in Cement Mortar 1:6 (One of cement and six of sand) using **Chamber burnt bricks** of size 8¾"x4¼"x2¾" **(22x11x7cm)** for super structure in the following floors including labour for fixing the doors, windows and ventilator frames in position, fixing of hold fasts, scaffoldings, curing etc., complete in all respect complying and relevant standard specifications and drawings	31 & 31-C			
		(a) In Ground Floor			1m^3 (One Cubic metre)	
		(b) In First Floor			1m^3 (One Cubic metre)	
		(c) In Second Floor			1m^3 (One Cubic metre)	
		(d) In Third Floor			1m^3 (One Cubic metre)	
		(e) In Fourth Floor			1m^3 (One Cubic metre)	
9.5.		**Brick work in Cement Mortar 1:6** (One of cement and six of sand) using **Kiln burnt country bricks** of size 8¾"x4¼"x2¾" **(22x11x7cm)** for super structure in the following floors including labour for fixing the doors, windows and ventilator frames in position, fixing of hold fasts, scaffoldings, curing etc., complete in all respect complying and relevant standard specifications and drawings	31 & 31-C			
		(a) In Ground Floor			1m^3 (One Cubic metre)	
		(b) In First Floor			1m^3 (One Cubic metre)	
		(c) In Second Floor			1m^3 (One Cubic metre)	
		(d) In Third Floor			1m^3 (One Cubic metre)	
		(e) In Fourth Floor			1m^3 (One Cubic metre)	

S. No.	QUANTITY	DESCRIPTION OF WORK	TNBP No.	RATE IN FIGURES AND WORDS	UNIT IN FIGURES AND IN WORDS	AMOUNT
1	2	3	4	5	6	7
9.6.		**Brick work in Cement Mortar 1:6** (One of cement and six of sand) using **Kiln burnt country bricks** of size 8¾"x4¼"x2¼" **(22x11x5.7cm)** for super structure in the following floors including labour for fixing the doors, windows and ventilator frames in position, fixing of hold fasts, scaffoldings, curing etc., complete in all respect complying and relevant standard specifications and drawings	31 & 31-C			
		(a) In Ground Floor			1m^3 (One Cubic metre)	
		(b) In First Floor			1m^3 (One Cubic metre)	
		(c) In Second Floor			1m^3 (One Cubic metre)	
		(d) In Third Floor			1m^3 (One Cubic metre)	
		(e) In Fourth Floor			1m^3 (One Cubic metre)	
10.1.		**Brick partition wall in Cement Mortar 1:4** (One of cement and four of sand) **112mm** thick for super structure in the following floors using **chamber burnt bricks** of size 9"x4 3/8"x2¾" **(23x11.2x7cm)** including labour for fixing the doors, windows and ventilator frames in position, fixing of hold fasts, scaffoldings, curing etc., complete in all respect complying and relevant standard specifications and drawings	31 & 31-C			
		(a) In Foundation & Basement			1m^2 (One Square metre)	
		(b) In Ground Floor			1m^2 (One Square metre)	
		(c) In First Floor			1m^2 (One Square metre)	
		(d) In Second Floor			1m^2 (One Square metre)	
		(e) In Third Floor			1m^2 (One Square metre)	
		(f) In Fourth Floor			1m^2 (One Square metre)	
10.2.		**Brick partition wall in Cement Mortar 1:4** (One of cement and four of sand) **114mm** thick for super structure in the following	31 & 31-C			

S. No.	QUANTITY	DESCRIPTION OF WORK	TNBP No.	RATE IN FIGURES AND WORDS	UNIT IN FIGURES AND IN WORDS	AMOUNT
1	2	3	4	5	6	7
		floors using chamber burnt bricks of size 9"x4½"x3" **(23x11.4x7.5cm)** including labour for fixing the doors, windows and ventilator frames in position, fixing of hold fasts, scaffoldings, curing etc., complete in all respect complying and relevant standard specifications and drawings				
		(a) In Foundation and basement			1m² (One Square metre)	
		(b) In Ground Floor			1m² (One Square metre)	
		(c) In First Floor			1m² (One Square metre)	
		(d) In Second Floor			1m² (One Square metre)	
		(e) In Third Floor			1m² (One Square metre)	
		(f) In Fourth Floor			1m² (One Square metre)	
10.3.		**Brick partition wall in Cement Mortar 1:4** (One of cement and four of sand) **110mm** thick for super structure in the following floors using **chamber burnt bricks** of size 9"x4¼"x2¾" **(23x11x7cm)** including labour for fixing the doors, windows and ventilator frames in position, fixing of hold fasts, scaffoldings, curing etc., complete in all respect complying and relevant standard specifications and drawings	31 & 31-C			
		(a) In Foundation and basement			1m² (One Square metre)	
		(b) In Ground Floor			1m² (One Square metre)	
		(c) In First Floor			1m² (One Square metre)	
		(d) In Second Floor			1m² (One Square metre)	
		(e) In Third Floor			1m² (One Square metre)	
		(f) In Fourth Floor			1m² (One Square metre)	
10.4.		**Brick partition wall in Cement Mortar 1:4** (One of cement and four of sand) **110mm** thick for super structure in the following floors using **chamber burnt bricks** of size 8¾"x4¼"x2¾"	31& 31-C			

S. No.	QUANTITY	DESCRIPTION OF WORK	TNBP No.	RATE IN FIGURES AND WORDS	UNIT IN FIGURES AND IN WORDS	AMOUNT
1	2	3	4	5	6	7
		(22x11x7cm) including labour for fixing the doors, windows and ventilator frames in position, fixing of hold fasts, scaffoldings, curing etc., complete in all respect complying and relevant standard specifications and drawings				
		(a) In Foundation and basement			1m² (One Square metre)	
		(b) In Ground Floor			1m² (One Square metre)	
		(c) In First Floor			1m² (One Square metre)	
		(d) In Second Floor			1m² (One Square metre)	
		(e) In Third Floor			1m² (One Square metre)	
		(f) In Fourth Floor			1m² (One Square metre)	
10.5.		**Brick partition wall in Cement Mortar 1:4** (One of cement and four of sand) **110mm** thick for super structure in the following floors using **kiln burnt country bricks** of size 8¾"x4¼x2¾" **(22x11x7cm)** including labour for fixing the doors, windows and ventilator frames in position, fixing of hold fasts, scaffoldings, curing etc., complete in all respect complying and relevant standard specifications and drawings	31 & 31-C			
		(a) In Foundation and basement			1m² (One Square metre)	
		(b) In Ground Floor			1m² (One Square metre)	
		(c) In First Floor			1m² (One Square metre)	
		(d) In Second Floor			1m² (One Square metre)	
		(e) In Third Floor			1m² (One Square metre)	
		(f) In Fourth Floor			1m² (One Square metre)	
10.6.		**Brick partition wall in Cement Mortar 1:4** (One of cement and four of sand) **110mm** thick for super structure in the following floors using **kiln burnt country bricks** of size 8¾"x4¼"x2¼" **(22x11x5.7cm)**	31 & 31-C			

S. No.	QUANTITY	DESCRIPTION OF WORK	TNBP No.	RATE IN FIGURES AND WORDS	UNIT IN FIGURES AND IN WORDS	AMOUNT
1	2	3	4	5	6	7
		including labour for fixing the doors, windows and ventilator frames in position, fixing of hold fasts, scaffoldings, curing etc., complete in all respect complying and relevant standard specifications and drawings				
		(a) In Foundation and basement			$1m^2$ (One Square metre)	
		(b) In Ground Floor			$1m^2$ (One Square metre)	
		(c) In First Floor			$1m^2$ (One Square metre)	
		(d) In Second Floor			$1m^2$ (One Square metre)	
		(e) In Third Floor			$1m^2$ (One Square metre)	
		(f) In Fourth Floor			$1m^2$ (One Square metre)	
11.1.		**Brick partition walls 70mm** thick using **chamber burnt bricks** of size 9"x4-3/8"x2¾" **(23x11.2x7cm)** in cement mortar 1:4 (One of cement and four of sand) for super structure in the following floors including scaffoldings, curing etc., complete in all respect complying and relevant standard specifications and drawings	31 & 31-C			
		(a) In Ground Floor			$1m^2$ (One Square metre)	
		(b) In First Floor			$1m^2$ (One Square metre)	
		(c) In Second Floor			$1m^2$ (One Square metre)	
		(d) In Third Floor			$1m^2$ (One Square metre)	
		(e) In Fourth Floor			$1m^2$ (One Square metre)	
11.2.		**Brick partition walls 75mm thick** using **chamber burnt bricks** of size 9"x4½"x3" **(23x11.4x7.5cm)** in cement mortar 1:4 (One of cement and four of sand) for super structure in the following floors including scaffoldings, curing etc., complete in all respect complying and relevant standard specifications and drawings	31 & 31-C			

S. No.	QUANTITY	DESCRIPTION OF WORK	TNBP No.	RATE IN FIGURES AND WORDS	UNIT IN FIGURES AND IN WORDS	AMOUNT
1	2	3	4	5	6	7
		(a) In Ground Floor			1m² (One Square metre)	
		(b) In First Floor			1m² (One Square metre)	
		(c) In Second Floor			1m² (One Square metre)	
		(d) In Third Floor			1m² (One Square metre)	
		(e) In Fourth Floor			1m² (One Square metre)	
11.3.		**Brick partition walls 70mm thick** using **chamber burnt bricks** of size 9"x4¼"x2¾" **(23x11x7cm)** in cement mortar 1:4 (One of cement and four of sand) for super structure in the following floors including scaffoldings, curing etc., complete in all respect complying and relevant standard specifications and drawings	31 & 31-C			
		(a) In Ground Floor			1m² (One Square metre)	
		(b) In First Floor			1m² (One Square metre)	
		(c) In Second Floor			1m² (One Square metre)	
		(d) In Third Floor			1m² (One Square metre)	
		(e) In Fourth Floor			1m² (One Square metre)	
11.4.		**Brick partition walls 70mm thick** using **chamber burnt bricks** of size 8¾"x4¼"x2¾" **(22x11x7cm)** in cement mortar 1:4 (One of cement and four of sand) for super structure in the following floors including scaffoldings, curing etc., complete in all respect complying and relevant standard specifications and drawings.	31 & 31-C			
		(a) In Ground Floor			1m² (One Square metre)	
		(b) In First Floor			1m² (One Square metre)	
		(c) In Second Floor			1m² (One Square metre)	
		(d) In Third Floor			1m² (One Square metre)	
		(e) In Fourth Floor			1m² (One Square metre)	

S. No.	QUANTITY	DESCRIPTION OF WORK	TNBP No.	RATE IN FIGURES AND WORDS	UNIT IN FIGURES AND IN WORDS	AMOUNT
1	2	3	4	5	6	7
11.5.		**Brick partition walls 70mm thick** using **kiln burnt country bricks** of size 8¾"x4¼"x2¾" **(22x11x7cm)** in cement mortar 1:4 (One of cement and four of sand) for super structure in the following floors including scaffoldings, curing etc., complete in all respect complying and relevant standard specifications and drawings	31 & 31-C			
		(a) In Ground Floor			1m² (One Square metre)	
		(b) In First Floor			1m² (One Square metre)	
		(c) In Second Floor			1m² (One Square metre)	
		(d) In Third Floor			1m² (One Square metre)	
		(e) In Fourth Floor			1m² (One Square metre)	
11.6.		**Brick partition walls 57mm thick** using **kiln burnt country bricks** of size 8¾"x4¼"x2¼" **(22x11x5.7cm)** in cement mortar 1:4 (One of cement and four of sand) for super structure in the following floors including scaffoldings, curing etc., complete in all respect complying and relevant standard specifications and drawings	31 & 31-C			
		(a) In Ground Floor			1m² (One Square metre)	
		(b) In First Floor			1m² (One Square metre)	
		(c) In Second Floor			1m² (One Square metre)	
		(d) In Third Floor			1m² (One Square metre)	
		(e) In Fourth Floor			1m² (One Square metre)	
12.1.		**Brick partition walls 50mm** thick using **kiln burnt country bricks** of size 8¾"x4¼"x2" **(22x11x5cm)** in cement mortar 1:4 (One of cement and four of sand) for superstructure in the following floors including scaffoldings, curing etc., complete in all respect complying and relevant standard specifications and drawings.	31 & 31-C			

S. No.	QUANTITY	DESCRIPTION OF WORK	TNBP No.	RATE IN FIGURES AND WORDS	UNIT IN FIGURES AND IN WORDS	AMOUNT
1	2	3	4	5	6	7
		(a) In Ground Floor			$1m^2$ (One Square metre)	
		(b) In First Floor			$1m^2$ (One Square metre)	
		(c) In Second Floor			$1m^2$ (One Square metre)	
		(d) In Third Floor			$1m^2$ (One Square metre)	
		(e) In Fourth Floor			$1m^2$ (One Square metre)	
12.2.		**Brick partition walls 50mm thick** using **kiln burnt country bricks** of size 9"x4 ¼"x2" **(23x11x5cm)** in cement mortar 1:4 (One of cement and four of sand) for super structure in the following floors including scaffoldings, curing etc., complete in all respect complying and relevant standard specifications and drawings	31 & 31-C			
		(a) In Ground Floor			$1m^2$ (One Square metre)	
		(b) In First Floor			$1m^2$ (One Square metre)	
		(c) In Second Floor			$1m^2$ (One Square metre)	
		(d) In Third Floor			$1m^2$ (One Square metre)	
		(e) In Fourth Floor			$1m^2$ (One Square metre)	
13.1		**Filling** in foundation and basement and other similar works with **Excavated earth** in layers of 150mm thick well watered rammed and consolidated complying with relevant standard specification etc., all complete and as directed by the departmental officers.	25		$1m^3$ (One Cubic metre)	
13.2		**Filling** in foundation and basement with **Excavated earth mixed with lime in the proportion of 1:4** (one of lime and four of earth) in layers of 150mm thick well watered rammed and consolidated complying with relevant standard specification etc., all complete and as directed by the departmental officers.	25		$1m^3$ (One Cubic metre)	
14.		**Providing precast concrete slab for cupboard** ward robes shelves, cover slab for chambers, Baffle walls side	30			

S. No.	QUANTITY	DESCRIPTION OF WORK	TNBP No.	RATE IN FIGURES AND WORDS	UNIT IN FIGURES AND IN WORDS	AMOUNT
1	2	3	4	5	6	7
		slabs of boxing around windows and other similar works in cement concrete 1:2:4 (One of cement , two of sand and four of stone jelly) using hard broken stone jelly of size 10mmm and less for the following thickness excluding the cost and fabrication of reinforcement grills but including precasting, moulding, curing, finishing and fixing in position complying with relevant standard specifications etc., complete in the following floors (Measurement will be taken including bearing in wall also)				
		I. 20mm thick				
		(a) In Ground Floor			1m^2 (One Square metre)	
		(b) In First Floor			1m^2 (One Square metre)	
		(c) In Second Floor			1m^2 (One Square metre)	
		(d) In Third Floor			1m^2 (One Square metre)	
		(e) In Fourth Floor			1m^2 (One Square metre)	
		II. 40mm thick				
		(a) In foundation & basement			1m^2 (One Square metre)	
		(b) In Ground Floor			1m^2 (One Square metre)	
		(c) In First Floor			1m^2 (One Square metre)	
		(d) In Second Floor			1m^2 (One Square metre)	
		(e) In Third Floor			1m^2 (One Square metre)	
		(f) In Fourth Floor			1m^2 (One Square metre)	
15.		Providing **Cuddappah slab** finishing with two sides for cupboard, sunshade, ward-robes, shelves , side slabs of boxing around windows, kitchen platform slabs, sink and other similar works including finished and fixing in position complying with relevant Standard specifications etc., complete in the following floors (Measurement will be taken including bearing also) as				

S. No.	QUANTITY	DESCRIPTION OF WORK	TNBP No.	RATE IN FIGURES AND WORDS	UNIT IN FIGURES AND IN WORDS	AMOUNT
1	2	3	4	5	6	7
		directed by the departmental officers (Quality of Cuddappah slab shall be got approved by the Executive Engineer before fixing. Cuddappah sunshade shall be provided with cuddppah beeding of required size of prevent rain water in the rooms without any extra cost)				
		I. 20mm thick				
		(a) In Ground Floor			$1m^2$ (One Square metre)	
		(b) In First Floor			$1m^2$ (One Square metre)	
		(c) In Second Floor			$1m^2$ (One Square metre)	
		(d) In Third Floor			$1m^2$ (One Square metre)	
		(e) In Fourth Floor			$1m^2$ (One Square metre)	
		II. 40mm thick				
		(a) In Ground Floor			$1m^2$ (One Square metre)	
		(b) In First Floor			$1m^2$ (One Square metre)	
		(c) In Second Floor			$1m^2$ (One Square metre)	
		(d) In Third Floor			$1m^2$ (One Square metre)	
		(e) In Fourth Floor			$1m^2$ (One Square metre)	
16.1.		**Precast cement concrete Jolly ventilator** in cement concrete 1:2:4 (One of cement, two of sand, and four of hard broken stone jelly) using 20mm gauge hard broken stone jelly for the following thickness excluding the cost and fabrication of reinforcement grills but including precasting, moulding, curing, finishing and fixing in position complying with relevant standard specifications etc., complete in the following floors.	30			
		I. 50mm thick				
		(a) In Ground Floor			$1m^2$ (One Square metre)	
		(b) In First Floor			$1m^2$ (One Square metre)	

S. No.	QUANTITY	DESCRIPTION OF WORK	TNBP No.	RATE IN FIGURES AND WORDS	UNIT IN FIGURES AND IN WORDS	AMOUNT
1	2	3	4	5	6	7
		(c) In Second Floor			$1m^2$ (One Square metre)	
		(d) In Third Floor			$1m^2$ (One Square metre)	
		(e) In Fourth Floor			$1m^2$ (One Square metre)	
16.2		Supplying and fixing of **Terra cotta jolly** (Not below 50mm thick) of best quality and fixing in position with cement paste and **red-oxide** putty including cost of all materials as directed by the departmental officers. (The Terra cotta Jolly quality and design shall be got approved by the Executive Engineer before use)	72 & 74			
		(a) In Ground Floor			$1m^2$ (One Square metre)	
		(b) In First Floor			$1m^2$ (One Square metre)	
		(c) In Second Floor			$1m^2$ (One Square metre)	
		(d) In Third Floor			$1m^2$ (One Square metre)	
		(e) In Fourth Floor			$1m^2$ (One Square metre)	
16.3		Supplying and fixing of **Terra cotta jolly** (more than 50mm upto 110mm Louvered type) of best quality and fixing in position with cement paste and reoxide putty including cost of all materials as directed by the departmental officers. (The Terra cotta Jolly quality and design shall be got approved by the Executive Engineer before use.)				
		(a) In Ground Floor			$1m^2$ (One Square metre)	
		(b) In First Floor			$1m^2$ (One Square metre)	
		(c) In Second Floor			$1m^2$ (One Square metre)	
		(d) In Third Floor			$1m^2$ (One Square metre)	
		(e) In Fourth Floor			$1m^2$ (One Square metre)	
17.		Providing **Form work** for reinforced cement concrete work such as **lintels,** beams of all shapes and plain surfaces complete strutting upto 3 metres high using	30		$1m^2$ (One Square metre)	

S. No.	QUANTITY	DESCRIPTION OF WORK	TNBP No.	RATE IN FIGURES AND WORDS	UNIT IN FIGURES AND IN WORDS	AMOUNT
1	2	3	4	5	6	7
		country wood planks and removing the same after a specified period without damaging the RCC work in all floors.				
18.		Providing **Form work** for soffits of reinforced cement concrete columns and slabs or plain surfaces and columns inlcuding strutting upto 3m high using **MS sheets** with B.G, 10 gauge of suitable size stiffened with welded MS angles of size 25x25x3mm laid over country wood joists and supported by casurina props and removing the same after a specified period, without damaging the RCC works in all floors complying with standard specifications and as directed.	30		1m^2 (One Square metre)	
19		Providing **Form work** for reinforced cement concrete surface in **Small quantities** such as sunshades, parapet cum drop, window boxing, fin projections and other similar works and strutting upto 3 metres high using mild steel sheets and removing the same after a specified period without damaging the RCC works in all floors.	30		1m^2 (One Square metre)	
20		Providing **Form work** for reinforced cement concrete work in foundation and basement such as P**linth beam,** raft beam, raft slab, columns, column footings upto basement work using country wood planks and removing the same after specified period without damaging the RCC works.	30		1m^2 (One Square metre)	
21.1.		Supplying and fixing Monolithic **RCC door frames** of size 100x75mm with one edge grooves size 30x20 mm in reinforced cement concrete 1 : 1½ : 3 (One of cement, one and half of sand and three of hard broken stone jelly) including cost of steels and fabrication of reinforcement grills with 3 nos. of 6mm M.S. rod alround and 3mm steel stirrups at 30cm centre to centre including fixing of 3 nos of iron bracket of size 100x100x5mm or 3 nos of Teak wood plug for receiving hinges and 2 nos of teak wood plug for receiving the tower bolts including fixing of				

S. No.	QUANTITY	DESCRIPTION OF WORK	TNBP No.	RATE IN FIGURES AND WORDS	UNIT IN FIGURES AND IN WORDS	AMOUNT
1	2	3	4	5	6	7
		6 nos of hold fasts and cost and fixing of check nuts and aluminium sleeves and 2 nos iron oxide tower bolt, receiver all as per drawings, including moulding in steel mould and casting with smooth surfaces and fine edges, curing, transporting etc., all complete as directed by the departmental officers.				
		a) For door size 900x2100 mm			1 No each	
		b) For door size700x2100mm			1 No each	
21.2.		Supplying and fixing of **Teak Wood wrought and put up** for frames of doors, windows, ventilators, cupboard and any other similar joineries works with necessary plugs, rebates for shutters, plaster grooves on all faces etc. , including labour charges for fixing hold fasts, complying with relevant standard specifications etc., in all respects.	72 & 74			
		a) Teak wood over 2.00 metre and below 3 metre length			1m^3 (One Cubic metre)	
		b) Teak wood below 2.00 metre length			1m^3 (One Cubic metre)	
21.3.		Supplying and fixing of P**VC doors** (Superior variety) of required over all size (single leaf) with **PVC door frame and PVC shutter** 30mm thick. The frame is to be made from extruded PVC section size of 40mmx50mm having multichamber cross section with a wall thickness not less than 2.5 mm duly reinforced with steel to be mitre cut at corners and welded. A tie-rod to be provided at bottom. The door shutter frame is to be made out of extruded section of size 59x34 mm with wall thickness of 2mm and concealed steel reinforcement of size 27x20 mm. The infilt panels is to be made out of multi chamber hollow PVC extruded panel with an effective dimension of **150mmx30mm** with wall thickness not less than 1mm. The panels are joined by tongue and groove method. The shutter shall be provided with 3 nos of 4" aluminium butt hinges, 2 nos of 4" aluminium handles of 3 nos of 6" aluminium Tower bolts,				

S. No.	QUANTITY	DESCRIPTION OF WORK	TNBP No.	RATE IN FIGURES AND WORDS	UNIT IN FIGURES AND IN WORDS	AMOUNT
1	2	3	4	5	6	7
		with required C.P. screws including labour charges for fixing the shutter frame and furniture fittings in postion and finished smooth with template etc., all complete as directed by the departmental officers (Fittings provided shall bear ISI mark if available. The brand should be got approved from the Executive Engineer before use)				
		a) For door size 700x2100 mm			1m^2 (One Square Metre)	
22.1.		Supplying and fixing of Best Indian **Teak wood panelled door shutters** single leaf in position using 75mm x 37.5mm styles and 3 nos of 150x37.5mm rails (top, bottom and lock rail) and 3 nos of 75mmx37.50mm rails and 18.75mm thick planks for panels including cost and labour for fixing the furniture fittings as per schedule 'E' etc., all complete and as directed by the departmental officers.				
		(a) Single leaf suitable for door size 1000x2100 mm			1m^2 (One Square Metre)	
		(b) Single leaf suitable for door size 900x2100 mm			1m^2 (One Square Metre)	
		(c) Single leaf suitable for door size 700x2100 mm			1m^2 (One Square Metre)	
22.2		Supplying and fixing of Best Indian **Teakwood panelled door shutters** single leaf in position using 75mm x 37.5mm styles and 4 nos of 150x37.5mm rails (top, middle, bottom and lock rail) 2 nos of 75mmx37.5mm vertical shorter styles and 18.75mm thick planks for panels including cost and labour for fixing the furniture fittings as per schedule 'E' etc., complete and as directed by the departmental officers.				
		a) Single leaf suitable for door size 1000 x 2100mm			1m^2 (One Square Metre)	
		b) Single leaf suitable for door size 900 x 2100mm			1m^2 (One Square Metre)	
		c) Single leaf suitable for door size 700 x 2100mm			1m^2 (One Square Metre)	
22.3.		**Teak wood glazed window and ventilators** shutters 6.25 x 3.12cm styles and rails and 3mm thick ground or frosted				

S. No.	QUANTITY	DESCRIPTION OF WORK	TNBP No.	RATE IN FIGURES AND WORDS	UNIT IN FIGURES AND IN WORDS	AMOUNT
1	2	3	4	5	6	7
		glass for panels including labour charges and cost of furniture fittings as per schedule 'E' and as directed by the departmental officers.				
		a) T.W. glazed single leaf for each bay to suit window frames of over all height 135cm height			1m² (One Square Metre)	
		b) T.W. glazed single leaf for each bay to suit window frames of over all height of 120cm height.			1m² (One Square Metre)	
		c) T.W. glazed single leaf for each bay to suit window frames of over all height of 105cm height.			1m² (One Square Metre)	
		d) T.W. glazed ventilators swing type to suit over all size 90x60cm			1m² (One Square Metre)	
22.4.		Providing T**.W.double leaf shutters** for cupboard/ward robes with prelaminated particle board or prelaminated cement bonded particle board for shutters. The all round frame made up of T.W. scantling of 75mmX37.50mm and the styles and rails made up of T.W. scantlings of 75mmX37.5mm. The shutters panels are not less than 8mm thick with relevant ISI mark OSL panel board including cost of OSL board and labour for fixing in position, cost of materials, Aluminium Furniture fittings such as 6 nos. 3" of Aluminium butt hinges, 2 nos. 3"x5/8" Aluminium Tower bolt, 2 nos of 4" ornamental Aluminium Handle, lock and key arrangements and also varnishing with two coats for T.W. scantlings, styles and rails using best quality of wine varnish with neat finish, all complete & as directed by the departmental officers (The one side laminated particle boards quality and shade and other fittings should be got approved by Executive Engineer before use.)			1m² (One Square Metre)	
23.1.		Supplying and fixing of Best Indian T.W. single leaf door shutters using 9mm thick phenol bonded BWR grade plywood as per IS 303-1989 (General) with IS 5539-1969 (for preservative treatment) and IS 848-1974 (for				

S. No.	QUANTITY	DESCRIPTION OF WORK	TNBP No.	RATE IN FIGURES AND WORDS	UNIT IN FIGURES AND IN WORDS	AMOUNT
1	2	3	4	5	6	7
		adhesives) with relevant IS specifications and its latest amendment for shutters with 75mm x 37.50 mm teak wood styles and 3 Nos. of 150mmx37.50 TW rails (top, bottom and lock rails) using the above panel including labour charges and cost of furniture fittings as per schedule 'E' and as directed by the departmental officers. (The quality of BWR plywood should be got approved from the Executive Engineer before use.)				
		a) 900 x 2100			1m^2 (One Square metre)	
23.2.		Supplying and fixing of 3mm thick pin headed **Glass panels** with aluminium anodised 'U' shape beeding of size 12x12mm with 107 gram in average weight for 1m length with aluminium bolts and nuts for the shutters of the steel windows already supplied to suit all the size and as directed by the departmental officers. (The quality of glass and aluminium beeding should be got approved from the Executive Engineer before use).			1m^2 (One Square metre)	
23.3		Supplying and fixing of 3mm thick best approved quality of **PVC designed sheet** (superior variety) with aluminium anodized 'U' shape beeding of size 12 x12mm with 107 gram in average weight for 1m length with aluminium bolts and nuts for the shutters of the steel windows already supplied to suit all the size and as directed by the departmental officers. (The quality of PVC designed sheet and aluminium beeding should be got approved from the Executive Engineer before use)			1m^2 (One Square metre)	
23.4		Supplying, fabricating and fixing in position of **Aluminium window/ Ventilator** anodized not less than 15 microns confirming to Standard specification made with extruded Aluminium "H" section size 38.5x33x3mm for outer frame. Z section of size 38.5x33x3mm for shutter and intermediate sections of size 59x33x3mm and aluminium clip of size 17.3x17x0.90 mm				

S. No.	QUANTITY	DESCRIPTION OF WORK	TNBP No.	RATE IN FIGURES AND WORDS	UNIT IN FIGURES AND IN WORDS	AMOUNT
1	2	3	4	5	6	7
		with MS powder coated stiffner of size 12mm x 3mm for fixing PVC designed sheet with necessary accessories such as Aluminium handles of size 101.6x2.4x3.18mm, Aluminium butterfly hinges 3" Aluminium window stay & Pegs of 10" aluminium hold fast 6"(4mm thick) with suitable screws and rubber beedings including supplying and fixing of 3mm thick PVC designed sheet and including cost of all materials labours, power consumption required for fabrication, drilling holes for fixing the aluminium hold fast etc complete and make the wall in original shape after fixing and as directed by the departmental officers and as per drawings enclosed (all the materials to be used should be got approved by the Executive Engineer before use)				
		a) Window of size 1.80 x 1.35 metres			1 No each	
		b) Window of size 1.35 x 1.35 metres			1 No each	
		c) Window of size 1.35 x 1.05 metres			1 No each	
		d) Window of size 1.20 x 1.05 metres			1 No each	
		e) Window of size 1.05 x 1.35 metres			1 No each	
		f) Window of size 0.90 x 1.35 metres			1 No each	
		g) Window of size 0.90 x 1.05 metres			1 No each	
		h) Window of size 0.50 x 1.35 metres			1 No each	
		i) Window of size 0.45 x 1.35 metres			1 No each	
		VENTILATOR				
		j) Ventilator of size 0.90 x 0.60 metres			1 No each	
24.		Manufacturing and supplying of **Steel Windows** confirming to IS 1038/1983 specification with steel section used for fabrication of windows as per IS7452/1982 specification and as per the approved type design for all size applicable for the work with iron oxidised handles with locking			1 Kg (One Kilogram)	

S. No.	QUANTITY	DESCRIPTION OF WORK	TNBP No.	RATE IN FIGURES AND WORDS	UNIT IN FIGURES AND IN WORDS	AMOUNT
1	2	3	4	5	6	7
		arrangements, peg stays and including cost for one coat of red oxide primer etc., complete and as directed by the departmental officers (windows should be weighed excluding aluminium beeding and glass panel. The standard models of window with grill design drawings are enclosed in the annexure. However the windows grill and design should be got approved by the Executive Engineer before use).				
25.		Supplying of **mild steel hold fasts** horizontally twisted of size 230x40x4mm with pair of suitable iron screws.	86		1 No each	
26.		**Flooring** with a bed of CC 1:5:10 (one of cement, five of sand and ten of stone jelly) using 40mm size broken stone jelly and top left rough to receive the floor finish with required slopes including ramming, curing etc., all complete complying with relevant standard specifications.	28 & 39-H		1m^3 (One Cubic metre)	
27.1		Brick work in cm 1:4 (one of cement and four of sand) using chamber burnt bricks 9 " x 4 - 3 / 8 " x 2 - 3 / 4 " (23x11.2x7cm) for **stair case steps** including proper setting, scaffolding, curing etc., complete in all respects in all floors.	31 & 31-C		1m^3 (One Cubic metre)	
27.2		Brick work in cm 1:4 (one of cement and four of sand) using chamber burnt bricks 9"x4-1/2"x3" (23x11.4x7.5cm) for **stair case steps** including proper setting , scaffolding, curing etc., complete in all respects in all floors.	31 & 31-C		1m^3 (One Cubic metre)	
27.3		Brick work in cm 1:4 (one of cement and four of sand) using chamber burnt bricks 9"x4¼"x2¾" **(23x11x7cm)** for **stair case steps** including proper setting , scaffolding, curing etc., complete in all respects in all floors.	31 & 31-C		1m^3 (One Cubic metre)	
27.4		Brick work in cm 1:4 (one of cement and four of sand) using chamber burnt bricks 8 ¾"x4¼"x2¾" **(22x11x7cm)** for **stair case steps** including proper setting, scaffolding, curing etc., complete in all respects in all floors.	31 & 31-C		1m^3 (One Cubic metre)	

S. No.	QUANTITY	DESCRIPTION OF WORK	TNBP No.	RATE IN FIGURES AND WORDS	UNIT IN FIGURES AND IN WORDS	AMOUNT
1	2	3	4	5	6	7
27.5		Brick work in cm 1:4 (one of cement and four of sand) using kiln burnt country bricks 8¾"x4¼"x2¾" **(22x11x7cm)** for **stair case steps** including proper setting, scaffolding, curing etc., complete in all respects in all floors.	31 & 31-C		1m^3 (One Cubic metre)	
27.6		Brick work in cm 1:4 (one of cement and four of sand) using kiln burnt country bricks 8¾"x4¼"x2¼" **(22x11x5.7cm)** for **stair case steps** including proper setting, scaffolding, curing etc., complete in all respects in all floors.	31 & 31-C		1m^3 (One Cubic metre)	
28.		**Plastering the top of flooring** in cm 1:4 (One of cement and four of sand) 20mm thick including surface rendered smooth including providing proper slopes, thread lining, curing and 150mm wide skirting alround with the same cement mortar etc., complete in all respects.	56, 57 31-C		1m^2 (One Square metre)	
29.1.		Providing Hydraulic pressed cement **Mosaic Tiles** (Grey colour) of size 20cmx20cmx20mm graded chips other than salem magnestie of not more than 6mm of best Indian Marble chips in cement mortar 1:3 (oneof cement and three of sand) 20mm thick and pointed with coloured cement neatly including polishing etc., complete	44-1		1m^2 (One Square metre)	
29.2.		Providing Hydraulic pressed cement **Mosaic Tiles** (Grey colour) of size 25cm x 25cm x20mm graded chips other than salem magnesite of not more than 6 mm of best Indian marble chips in cement mortar 1:3 (One of cement and three of sand) 20mm thick and pointed with coloured cement neatly including polishing etc., complete.	44-1		1m^2 (One Square metre)	
29.3.		Supplying and fixing of colour **Ceramic Tiles** over cement plaster 1:2 (One of cement and two of sand) 10mm thick including fixing in position, cutting the tiles to the required size, wherever necessary pointing the joints with coloured cement, curing, finishing etc., in all complete.	44-1		1m^2 (One Square metre)	

S. No.	QUANTITY	DESCRIPTION OF WORK	TNBP No.	RATE IN FIGURES AND WORDS	UNIT IN FIGURES AND IN WORDS	AMOUNT
1	2	3	4	5	6	7
29.4		Supplying and fixing of **Floor Ceramic Tiles** (Best approved quality and the same shall be got approved from the Executive Engineer before using) over cement mortor 1:3 (One of cement and three of sand) 20mm thick including fixing in position, cutting the tiles to the required size wherever necessary pointing the joints with white cement, curing, finishing etc., all complete and as directed by the departmental officers.	44-1		$1m^2$ (One Square metre)	
29.5		Supplying and fixing of Colour **glazed tiles** (Best approved quality and the same shall be got approved from the Executive Engineer before using) over cement plastering in CM 1:2 (One of cement and two of sand) 10mm thick including fixing in position, cutting the tiles to the required size wherever necessary, pointing the joints with coloured cement, curing, finishing etc., all complete and as directed by the departmental officers.	39-G		$1m^2$ (One Square metre)	
30		Finishing the top of flooring with cement concrete 1:3 (One of cement and three of blue granite chips of size 10mm and below) 20 mm thick **Ellis Pattern Flooring** (No Sand) and surface rendered smooth including 150mm wide skirting, providing proper slopes, thread lining, curing etc.. complete in all floors complying with relevant standard specifications.	39-G		$1m^2$ (One Square metre)	
31 .		**Weathering Course** with concrete broken brick jelly 20mm gauge in pure burnt stone lime slaked and screened (No Sand) over RCC Roof Slab with proportion of brick jelly to lime (fat lime) being 32: 12 1/2 by volume well beaten with wooden beaters for giving the required slope and thickness complying with relevant standard specification and as directed by the departmental officers.	30 & 41		$1m^3$ (One Cubic metre)	
32.		Finishing top of roof with one course of Hydraulic **Pressed Tiles** of approved superior quality of size 23cmx 23cmx20mm thick laid over	41, 46 & 57		$1m^2$ (One Square metre)	

S. No.	QUANTITY	DESCRIPTION OF WORK	TNBP No.	RATE IN FIGURES AND WORDS	UNIT IN FIGURES AND IN WORDS	AMOUNT
1	2	3	4	5	6	7
		weathering course in cm 1:3 (One of cement and three of sand) 12mm thick mixed with crude oil at 10% by weight of cement used and pointed neatly with the same oil mixed mortar, curing etc., as per standard specifications. (The quality of tiles shall be got approved from the EE before use)				
33.		**Plastering with cm 1:5** (One of cement and five of sand) 12mm thick finished with neat cement including providing band cornice, ceiling cornice, curing, scaffolding, etc., complete in all respects and complying with relevant standard specifications.	56 & 57		$1m^2$ (One Square metre)	
34.		**Plastering with CM 1:4** (one of cement and four of sand) 12mm thick finished with neat cement including providing band cornice, ceiling cornice, curing, scaffolding etc.... complete in all respects and complying with standard specifications.	56 & 57		$1m^2$ (One Square metre)	
35.		**Special ceiling plastering** in cement mortar 1:3 (One of cement and three of sand) 10mm thick for bottom of roof, stair, waist, landing and sunshades in all floors finished with neat cement including hacking the areas, providing band cornice, scaffolding, curing etc., complete	56 & 57		$1m^2$ (One Square metre)	
36.		Plastering in cm 1:5 (One of cement and five of sand) 12mm thick for **border** finish in all floors for elevation purposes, including scaffolding, curing , finishing etc., all complete.	56 & 57			
		a) 150mm wide border			1 Rmt (One Running Metre)	
		b) 75mm wide border			1 Rmt (One Running Metre)	
37.1.		**White washing three coats** using clean shell lime slaked including cost of lime, gum, blue, brushes, including scaffolding etc., complete in all respects.	63		$1m^2$ (One Square metre)	
37.2.		**White washing three coats using clean** shell lime unslaked including cost of lime, gum, blue, brushes, including scaffolding etc., complete in all respects.	63		$1m^2$ (One Square metre)	

S. No.	QUANTITY	DESCRIPTION OF WORK	TNBP No.	RATE IN FIGURES AND WORDS	UNIT IN FIGURES AND IN WORDS	AMOUNT
1	2	3	4	5	6	7
37.3.		**Colour washing** two coats over one coat of white washing, using clean shell lime slaked including cost of lime, gum , blue, brushes, colouring materials, including scaffolding etc., complete in all respects.	64		$1m^2$ (One Square metre)	
37.4.		**Colour washing** two coats over one coat of white washing, using clean shell lime unslaked including cost of lime, gum , blue, brushes, colouring materials, including scaffolding etc., complete in all respects.	65-A		$1m^2$ (One Square metre)	
38.1		Painting the new walls with two coats of approved best **Cement paint** in addition to one coat of approved primer cement paint over cement plastered wall surfaces and ceiling including cost of cement paints, putty, brushes, watering, curing, etc., all complete as directed by the departmental officers (paints and its shade shall be got approved from the Executive Engineer before using)	65-A		$1m^2$ (One Square metre)	
38.2		Painting the new walls with two coats of **matt - paint** (weather coat) of approved brand over cement plastered wall surfaces including cost of paints, putty, brushes, watering, curing, etc., all complete as directed by the departmental officers (paints and its shade shall be got approved from the Executive Engineer before use)			$1m^2$ (One Square metre)	
39.		Supplying and fixing **Mild Steel grills** as per the design approved to verandah enclosure or gate including one coat of primer and labour for fixing in position etc. all complete			1 Kg. (One Kilogram)	
40.		**Painting the new wood work** with two coats of approved first class synthetic enamel ready mixed paint in addition to one coat of primer of approved quality and shade, the paint should be supplied by the contractor at his own cost (The quality and the shade of paint should be got approved by the Executive Engineer before use) complying with relevant standard specifications.	66& 66A		$1m^2$ (One Square metre)	

S. No.	QUANTITY	DESCRIPTION OF WORK	TNBP No.	RATE IN FIGURES AND WORDS	UNIT IN FIGURES AND IN WORDS	AMOUNT
1	2	3	4	5	6	7
41.		**Painting the new Iron work** and other similar works such are PVC /ASTM Pipes, Kerb Stone and grills with two coats of approved first class synthetic enamel ready mixed paint of approved quality and brand, the paint should be supplied by the contractor at his own cost. (The quality and the brand of paint should be got approved by the Executive Engineer before use) complying with relevant standard specifications.	66 & 66-A		$1m^2$ (One Square metre)	
42.		Supplying, fabricating and placing in position of **Mild steel Grills / Ribbed Tor Steels for reinforcement** for all floors including cost of binding wire, bending tying and applying one coat of **cement slurry** etc., all complete in all respects.	30 & 86		1MT (One MetricTonne)	
43.		Supplying, fabricating and placing in position of **Mild steel Grills / Ribbed Tor Steels for reinforcement** for all floors including cost of binding wire, bending, tying etc., all complete and as directed by the departmental officers.	30 & 86		1MT (One MetricTonne)	
44.1		Supplying and fixing of 110mm dia PVC SWR pipe for **Rain water down fall pipe** with necessary gratings, shoes, bends, off sets, clamps, teak woods plugs, and of approved quality and including fixing C.I. gratings at the junction of parapet and floor or roof slab etc., including finishing etc., complete complying with relevant standard specifications.	107 & 119		1 Rmt (One Running Metre)	
44.2		Providing **Rain water harvesting** pit by augering 300mm dia dia bore pits to a depth of 5.50m overall depth and filling with brick jelly of 40mm size including earth work excavation 1m dia, 600mm depth and filling with filling sand to a depth of 300mm filling sand over the brick jelly and covered with Pre-cast RCC Perforated slab of 40mm thick excluding the cost and fabircation of reinforcement grills but including precasting, moulding, curing, finishing and fixing in position etc and all complete as directed by the departmental officer.			1 No each	

S. No.	QUANTITY	DESCRIPTION OF WORK	TNBP No.	RATE IN FIGURES AND WORDS	UNIT IN FIGURES AND IN WORDS	AMOUNT
1	2	3	4	5	6	7
45.		**Stucco Plastering 12mm thick** using hard broken stone chips of size 10mm and below using 86.50 kgs of cement and 0.15 m3 blue metal chips for every 10m2 area over the existing plastered surface including curing etc., complete complying with relevant standard specifications and as directed by the departmental officers.	56 & 57		$1m^2$ (One Square metre)	
46.		**Supplying and fixing of 20mm** dia **aluminium hanger rods** to the required length with aluminium end brackets including cost of screws, TW plugs and labour charges for fixing in postion etc. complete in all respects and directed by the departmental officers.			1 Rmt (One Running Metre)	
47.		Supplying and fixing of **aluminium towel rails** of 75cm long, including cost of screws, TW plugs and labour charges for fixing in position etc. complete in all respects and directed by the departmental officers.			1 No each	
48.		Supplying and fixing of aluminium plate with **five pins** for **coat stand** including cost of plugs, nails, screws, and labour for fixing in position etc, in all complete.			1 No each	
49.		Providing and fixing iron chromium plated 8 gauge **Picture hooks** including fixing in position etc., in all complete in all respects and as directed by the departmental officers.			1 No each	
50.1		Supplying and fixing of **Precast slab 50mm thick** made in CC 1:3:6 (One of cement, three of sand and six of hard broken stone jelly) using 20mm size hard broken stone jelly including the cost of slab, moulding, laying, curing, transportation, pointing for approach slab and other similar works as directed by the departmental officers.			$1m^2$ (One Square metre)	
50.2		Supplying and fixing of **precast kerb stone** of size 450x300x150mm made in CC 1:3:6 (One of cement, three of sand and six of hard broken stone jelly) using 20mm size hard broken stone jelly including the cost of Kerb			1 Rmt (One Running Metre)	

S. No.	QUANTITY	DESCRIPTION OF WORK	TNBP No.	RATE IN FIGURES AND WORDS	UNIT IN FIGURES AND IN WORDS	AMOUNT
1	2	3	4	5	6	7
		stone moulding, laying, curing, transporting, pointing and as directed by the departmental officers.				
50.3		Supply and planting of **avenue trees** including earth work excavation for pit of size 60x60x60cm filled with manure for 20cm depth and filling with river sand and red earth mix in the ratio of 1:1 for 40cm depth in the same pit and planting the avenue trees of approved varities to a height of 200cm from the ground level and maintaining them for the period of 6 month including watering, periodical manuring and replacing the avenue trees if dead etc all complete and as directed by the departmental officer. (Tree sapping shall be got approved from EE before planting).			1 No each	
50.4		Supplying and fixing of triangular shape chicken mesh **TREE GUARD** using 8cm dia casurina vertical post and middle tie using country wood reaper of size 50x25mm and 25 gauge chicken mesh including labour charge for fixing the triangular tree guard and as directed by the departmental officers			1 No each	
50.5		Supplying Fabrication and Erection in position of **M.S. scheme name and layout board** with 50x50x6mm M.S. angle for vertical post and support posts with 2.5 mm thick M.S. sheet for a size at 1.80x1.20m with 40x40x6mm M.S. angle around the board and 50x6mm flat stiffeners on both directions including cost of welding charges, painting charges and drawing the layout and lettering the scheme details as directed by the departmental officers including earth work excavation for 4 nos of pits, PCC 1:5:10 (One of cement, five of sand and ten of HB stone jelly) for pits. 0.45 x 0.45 x 0.60m below Ground level and P.C.C 1:2:4 (one of cement, two of sand and four of 20mm HB Stone Jelly) at 0.30 x 0.30 x 0.30m above Ground level for erection, conveyance charges etc., all complete and as directed by the departmental officers (Refer T.D. 14/94)			1 No each	

S. No.	QUANTITY	DESCRIPTION OF WORK	TNBP No.	RATE IN FIGURES AND WORDS	UNIT IN FIGURES AND IN WORDS	AMOUNT
1	2	3	4	5	6	7
		WATER SUPPLY AND ARRANGEMENTS:				
51.		Supply and errection of Rotational Moulded Polyethylene water storage tanks (HDPE Cylinderical vertical type) for outdoor use having capacity of **700 litres** (excluding free board) of approved brand (superior variety) **with ISI Mark** (marked with tank itself) with top lid with provisions of locking including necessary specials and fittings for storing potable water and manufactured with material which do not import any taste / odour / any toxic effect and not to contaminate etc with carbon block content and dispersion in accordance with relevant I.S. specification and as directed by the departmental officers etc. complete. (The tank should be got approved from the E.E. before use)			1 No each	
52.		Supplying, laying, fixing and jointing the following PVC pipes as per ASTM D - 1785 of schedule 40 of wall thickness not less than the specified in IS 4985 suitable for plumbing by threading of wall thickness including the cost of suitable PVC/GI specials /GM specials like Elbow, Tee reducers, Plug , union, bend, coupler, ripple/ GM gate valve, check and wheel valve etc., wherever required above the ground level including the cost of teflon tape, special clamps, nails, etc., fixing on wall to the proper gradiant and alignment and redoing the chipped of masonry etc., as directed by the departmental officers.				
		a) 32mm ASTM-D schedule 40 threaded Pvc pipe with necessary PVC/GI specials			1 Rmt (One Running Metre)	
		b) 25mm ASTM-D schedule 40 threaded Pvc pipe with necessary PVC/GI specials			1 Rmt (One Running Metre)	
		c) 20mm ASTM-D schedule 40 threaded Pvc pipe with necessary PVC/GI specials			1 Rmt (One Running Metre)	

S. No.	QUANTITY	DESCRIPTION OF WORK	TNBP No.	RATE IN FIGURES AND WORDS	UNIT IN FIGURES AND IN WORDS	AMOUNT
1	2	3	4	5	6	7
53.1		Supplying and fixing of porcelain **wash basin** superior variety of size 22"x16" (550x400mm) including cost and fixing of CI brackets, pvc waste pipe, cp tap, wheel valve, pvc, connection, cp waste plug, with aluminium chain etc., complete in all respects (washbasin shall be got approved by the Executive Engineer before fixing)			1 No each	
53.2		Supplying and fixing of **C.I. manhole** cover with locking arrangements of approved quality and brand of size 0.45x0.45 metre (20 Kg) including cost of material labour charges for fixing etc., all complete and as directed by the departmental officers.			1 No each	
53.3		Supplying and fixing of **C.I. steps** of approved quality and brand (not less than 5kg each) including cost of material labour charges for fixing etc., all complete and as directed by the departmental officers.			1 No each	
54.		Supplying and fixing of **brass screw down tap** 15mm dia heavy with 430 grams weight with ISI mark.			1 No each	
55.1.		Supplying and fixing of approved brand Porcelain **squat urinal** superior variety in Cm 1:1 (One of cement and one of sand) including cost of squat urinal with foot rests etc. all complete as directed by the departmental officers (The quality and brand shall got approved from the Executive Engineer before use)			1 No each	
55.2.		Supplying and fixing of approved brand Porcelain **Flat Back urinal** superior variety including cost of Urinal lead pipe, waste pipe, 15mm wheel valve, TW plug and lobour for fixing etc., all complete as directed by the departmental officers (Thebrand and quality shall got approved from the Executive Engineer before use)			1 No each	

S. No.	QUANTITY	DESCRIPTION OF WORK	TNBP No.	RATE IN FIGURES AND WORDS	UNIT IN FIGURES AND IN WORDS	AMOUNT
1	2	3	4	5	6	7
		SANITARY ARRANGEMENTS :				
56.1.		Supplying and fixing of **Orissa Pan** (20") superior variety 500mm of approved make (to be got approved from EE before use) with P or S trap, including concrete packing filling portion with earth, flooring the area with 75mm thick brick jelly concrete in CC 1:8:16 (one of cement, eight of sand and sixteen of brick jelly) using 40mm size brick jelly and top left rough to receive the floor plastering but including anti-syphonage connection curing etc. all complete and as directed by the departmental officer **in Ground floor.**	102		1 No each	
56.2		Supplying and fixing of Orissa Pan (20") superior variety 500mm of approved make (to be got approved from EE before use) with P or S trap, including concrete filling the sunk portion with brick jelly lime concrete proportion of brick jelly to lime being 32:121/2 by volume (32 cft of 20mm gauge brick jelly and 12 1/2 cft of slaked lime) (No sand) and top 75mm thick brick jelly concrete in CC 1:8:16 (one of cement, eight of sand and sixteen of broken brick jelly) using 40mm size brick jelly including plastering the sides of sunk portion in Cm 1:3 (one of cement and three of sand) 12mm thick mixed with water proofing compound at 2Kg / m2 and top left rough to receive the floor plastering but including antisyphonage connection including one coat of bitumen for the sides bottom and curing etc., complete in all floors (Other than ground floor)	102		1 No each	
57.		Supplying and fixing **EWC** superior variety 500mm including cost and fixing of double flapped coloured plastic sheet cover Pvc flushing cistern in appropriate level as directed by the departmental officers at a maximum level of 5'6" and of approved brand of 10 litres capacity including fittings such as CI brackets. Pvc connection Gm wheel valve,	102		1 No each	

S. No.	QUANTITY	DESCRIPTION OF WORK	TNBP No.	RATE IN FIGURES AND WORDS	UNIT IN FIGURES AND IN WORDS	AMOUNT
1	2	3	4	5	6	7
		Hex nipple, etc., complete (EWC and plastic cover shall be got approved from the Executive Engineer before fixing)				
58.1		Supplying and fixing the following dia PVC (SWR) pipe and relevant specials including packing the joints with rubber lubricant fixing them into walls with necessary wooden plug screws, holding wherever necessary and making good of the dismantled portion with necessary connections to sanitary fittings etc., complete in all respects as directed by the departmental officers.				
		a) 110mm dia PVC SWR pipe including all required PVC specials etc., all complete.,			1 Rmt (One Running Metre)	
		b) 75mm dia PVC SWR pipe including all required PVC specials etc., all complete.,			1 Rmt (One Running Metre)	
58.2		Supplying and fixing the following dia **PVC(SWR) pipe with PVC cowl** and relevant specials including packing the joints with rubbers lubricant fixing them into walls or over the septic tank with necessary wooden plug screws, holding wherever necessary and making good of the dismantled portion with necessary connections to sanitary fittings etc., complete in all respects as directed by the departmental officers. a) 110mm dia PVC SWR pipe of 3metre with required PVC cowl PVC specials etc., all complete.			1 No each	
59.1		Supplying and fixing 150mm x 100mm size **stone ware Gully trap** with iron gratings over a bed of 150mm thick brick jelly concrete in CC 1:8:16 (one of cement, eight of sand and sixteen of broken brick jelly) using 40mm size brick jelly and brick masonry wall 112 mm thick using chamber burnt bricks of size 9 " x 4 - 3 / 8 " x 2 - 3 / 4 " (23x11.2x7cm) in cm 1:5 (One of cement and five and sand) plastered with CM 1:3 (One of cement and three of sand) 12mm thick etc., complete and as directed by the departmental officers.	102		1 No each	

S. No.	QUANTITY	DESCRIPTION OF WORK	TNBP No.	RATE IN FIGURES AND WORDS	UNIT IN FIGURES AND IN WORDS	AMOUNT
1	2	3	4	5	6	7
59.2		Supplying and fixing 150mm x 100mm size **STONE WARE GULLY TRAP** with iron gratings over a bed of 150mm thick brick jelly concrete in CC 1:8:16 (one of cement, eight of sand and sixteen of broken brick jelly) using 40mm size brick jelly and brick masonry wall 114 mm thick using chamber burnt bricks of size 9"x4-1/2"x3" (23x11.4x7.5cm) in cm 1:5 (One of cement and five of sand) plastered with CM 1:3 (One of cement and three of sand) 12mm thick etc., complete and as directed by the departmental officers.	102		1 No each	
59.3		Supplying and fixing 150mm x 100mm size **stone ware Gully trap** with iron gratings over a bed of 150mm thick brick jelly concrete in CC 1:8:16 (one of cement, eight of sand and sixteen of broken brick jelly) using 40mm size brick jelly and brick masonry wall 110 mm thick using chamber burnt bricks of size 9"x4¼"x2¾" (23x11x7cm) in cm 1:5 (One of cement and five of sand) plastered with CM 1:3 (One of cement and three of sand) 12mm thick etc., complete and as directed by the departmental officers.	102		1 No each	
59.4		Supplying and fixing 150mm x 100mm size **stone ware Gully trap** with iron gratings over a bed of 150mm thick brick jelly concrete in CC 1:8:16 (one of cement, eight of sand and sixteen of broken brick jelly) using 40mm size brick jelly and brick masonry wall 110 mm thick using chamber burnt bricks of size 8 3 / 4 " x 4 - 1 / 4 " x 2 - 3 / 4 " (22x11x7cm) in cm 1:5 (One of cement and five of sand) plastered with CM 1:3 (One of cement and three of sand) 12mm thick etc., complete and as directed by the departmental officers.	102		1 No each	
59.5		Supplying and fixing 150mm x 100mm size **stone ware Gully trap** with iron gratings over a bed of 150mm thick brick jelly concrete in CC 1:8:16 (one of cement, eight of sand and sixteen of broken brick jelly) using 40mm size	102		1 No each	

S. No.	QUANTITY	DESCRIPTION OF WORK	TNBP No.	RATE IN FIGURES AND WORDS	UNIT IN FIGURES AND IN WORDS	AMOUNT
1	2	3	4	5	6	7
		brick jelly and brick masonry wall 110 mm thick using kiln burnt country bricks of size 8¾"x4¼"x2¾" (22x11x7cm) in cm 1:5 (One of cement and five of sand) plastered with CM 1:3 (One of cement and three of sand) 12mm thick etc., complete and as directed by the departmental officers.				
59.6		Supplying and fixing 150mm x 100mm size **stone ware Gully trap** with iron gratings over a bed of 150mm thick brick jelly concrete in CC 1:8:16 (one of cement, eight of sand and sixteen of broken brick jelly) using 40mm size brick jelly and brick masonry wall 110 mm thick using kiln burnt country bricks of size 8¾"x4¼"x2¼" (22x11x5.7cm) in cm 1:5 (One of cement and five of sand) plastered with CM 1:3 (One of cement and three of sand) 12mm thick etc., complete and as directed by the departmental officers.	102		1 No each	
60.		Supplying and fixing of P**VC Nahani Trap** 75mm (Superior variety) having minimum of water seal of 50mm confirm to relevant I.S. specifications with its latest amendments including resting on the bed of brick jelly concrete 1:5:10 (One of cement, five of sand of ten of 40 mm gauge brick jelly) etc., complete as directed by the departmental officers (The PVC Nahani Trap should be got approved from the EE before use)	102		1 No each	
61.1.		Supplying and laying and jointing the following dia **stone ware pipes** (glazed) with spigot and sockets ends in dry conditions and tested with water, including necessary earth work excavation for trenches and refilling the same, well rammed and consolidated after the pipes are jointed with cement mortar 1:1 and tarred yarn laid to proper gradient to the alignment as directed by the departmental officers (SW pipes should be got approved by the Executive Engineer before laying)	99			

S. No.	QUANTITY	DESCRIPTION OF WORK	TNBP No.	RATE IN FIGURES AND WORDS	UNIT IN FIGURES AND IN WORDS	AMOUNT
1	2	3	4	5	6	7
		a) 100mm dia SW pipe			1 Rmt (One Running Metre)	
		b) 150mm dia SW pipe			1 Rmt (One Running Metre)	
61.2		Supplying and laying and **loose jointing** the following dia **stone ware pipes** (glazed) with spigot and sockets ends in dry conditions and tested with water, after the pipes are laid to proper gradient to the alignment etc., complete and as directed by the departmental offices.	99			
		a. 100 mm dia S.W. pipe			1 Rmt (One Running Metre)	
		b. 150 mm dia S.W. pipe			1 Rmt (One Running Metre)	
62. 1		Supplying and fixing of the following the **stone ware bend** and jointing with cement and tarred yarn laid to proper gradient including earth work excavation, refilling trenches, concreting, curing and testing the joint etc., complete.				
		a) 100mm dia SW bend			1 No each	
		b) 150 mm dia S.W. Bend			1 No each	
62.2		Supplying and fixing of the following **stone ware Tee** and jointing with cement and tarred yarn laid to proper gradient including earth work excavation, refilling trenches, concreting, curing and testing the joint etc., complete.				
		a. 100 mm dia S.W. Tee			1 No each	
		b. 150 mm dia S.W. Tee			1 No each	
63.		Supplying **32mm dia PVC waste pipe** and cp couplings of best approved quality to the sink already fixed including the cost of all materials, labour of fixing etc., complete.			1 No each	
		Electrial Arrangements:				
64.		Wiring with 1.5 sqmm copper PVC insulated unsheathed single core 1.1 K.v. grade cable with continuous earth by means of 1.5 sqmm copper insulated unsheathed single core 1.1 k.v.grade cable in fully concealed PVC rigid conduit pipe heavy duty				

S. No.	QUANTITY	DESCRIPTION OF WORK	TNBP No.	RATE IN FIGURES AND WORDS	UNIT IN FIGURES AND IN WORDS	AMOUNT
1	2	3	4	5	6	7
		with ISI with suitable size MS box of 16 g thick concealed and covered with 3mm thick laminated hylem sheet controlled by 5 amps flush type switch including circuit mains cost of all materials specials etc., all complete.				
		a) Light point with ceiling rose			Each Point	
		b) Light point with bakelite pattern type holder			Each Point	
		c) Point wiring for calling bell/ buzzor with push type switch			Each Point	
65.		Wiring with 1.5 sqmm copper P.V.C. insulated unshealthed single core 1.1.k.v. grade cable with continuous earth by means of 1.5 sqmm copper PVC insulated unsheathed single core 1.1.k.v. grade cable in fully concealed PVC rigid conduit pipe heavy duty with ISI mark with suitable size MS box of 16g thick concealed and covered with 3mm thick laminated hylem sheet for **Fan point** controlled by 5 amps flush type switch including circuit mains cost of all materials, specials, etc., all complete			Each Point	
66.		Wiring with 1.5 sqmm copper P.V.C. insulated unsheathed single core 1.1.k.v. grade cable with continuous earth by means of 1.5 sqmm copper PVC insulated unsheathed single core 1.1.k.v. grade cable in fully concealed PVC rigid conduit pipe heavy duty with ISI mark with suitable size MS Box of 16g thick concealed and covered with 3mm thick laminated hylem sheet for **Staircase light point** controlled by 5 amps flush type two way switch including circuit mains cost of all materials, specials, etc., all complete			Each Point	
67.		Wiring with 1.5 sqmm copper P.V.C. insulated unsheathed single core 1.1.k.v. grade cable with continuous earth by means of 1.5 sqmm copper PVC insulated unsheathed single core 1.1.k.v. grade cable in fully concealed PVC rigid conduit pipe heavy duty with ISI mark with suitable size MS box of 16g thick concealed and			Each Point	

S. No.	QUANTITY	DESCRIPTION OF WORK	TNBP No.	RATE IN FIGURES AND WORDS	UNIT IN FIGURES AND IN WORDS	AMOUNT
1	2	3	4	5	6	7
		covered with 3mm thick laminated hylem sheet for 5 amps 5 pin plug socket point at **Switch Board Itself** including circuit mains cost of all materials, specials, etc., all complete				
68.		Wiring with 1.5 sqmm copper P.V.C. insulated unsheathed single core 1.1.k.v. grade cable with continuous earth by means of 1.5 sqmm copper PVC insulated unsheathed single core 1.1.k.v. grade cable in fully concealed PVC rigid conduit pipe heavy duty with ISI mark with suitable size MS box of 16g thick concealed and covered with 3mm thick laminated hylem sheet for 5 amps. **5 pin plug socket point at convenient places** including circuit mains cost of all materials, specials, etc., all complete			Each Point	
69		Supplying and fixing **15amps 3 pin plug** type socket on a suitable MS box 16g thick concealed and covered with 3 mm thick laminated hylem sheet inclusive of all connections and cost of all materials.			Each Point	
70.1		Supplying and fixing of water tight **Bulk head fittings** with guard, suitable for 60/100 watts including necessary - connections, cost of materials etc., all complete.			1 No each	
70.2		Supplying, assembling and fixing of **fluorescent tubular lamp** of 40watts, 4 feet long with fittings with copper choke and starter with necessary bulb and socket arrangement on teakwood round block of 75mm dia 40mm deep suspended from ceiling (or) mounted on walls etc.(Entire fitting shall be got approved from the EE before use.)			1 No each	
70.3		Supplying & fixing of 40/60 watts **bulbs** suitable for fixing it to pendent / bakelite battern holder of best approved variety and as directed by the departmental officers.			1 No each	
70.4		Supplying and fixing of **plastic shade** of best approved make and quality to reflect the light and also match to the wall colour etc.,			1 No each	

S. No.	QUANTITY	DESCRIPTION OF WORK	TNBP No.	RATE IN FIGURES AND WORDS	UNIT IN FIGURES AND IN WORDS	AMOUNT
1	2	3	4	5	6	7
		all complete and as directed by the departmental officers. (The quality of Plastic shade should be got approved from the Executive Engineer before use.)				
71.		Supplying and fixing of 16 amps **double pole main switch** with fuse and neutral link on a suitable well varnished teak wood board including necessary interconnections and earth connections, cost of all materials etc., all complete			1 No each	
72.		Supplying and fixing 1 no **consumer unit** flush mounting type comprising of 1 no of 32. A double pole mainswitch for incoming control and 2 nos of 16A/way out going fuse unit with neutral link fully enclosed in sheet enclosure fully concealed in wall with necessary inter connections, and earth connections, cost of all materials, etc., all complete.			1 No each	
73.1.		Supplying and fixing of 1 no three phase **distribution board** with **6 way** per phase 30A / per way with neutral link on suitable well varnished teakwood plank including necessary inter connections and earth connections cost of all materials etc., all complete.			1 No each	
73.2.		Supplying and fixing of 1 no three phase **distribution board** with **4 way** per phase 30A / per way with neutral link on suitable well varnished teakwood plank including necessary inter connections and earth connections cost of all materials etc., all complete.			1 No each	
74.		Charges for assembling and **fixing of ceiling fan** of different sweep with necessary connections and fixing of fan regulator on the existing board etc., all complete (Excluding cost of fan)			1 No each	
75.		Supply and delivery of following Electric **Ceiling fan** with blades and double ball bearing, capacitor, type complete with 300 mm down rods canopies, capacitor,				

S. No.	QUANTITY	DESCRIPTION OF WORK	TNBP No.	RATE IN FIGURES AND WORDS	UNIT IN FIGURES AND IN WORDS	AMOUNT
1	2	3	4	5	6	7
		shackle blades with speed regulator (resistance type suitable) for operator on 230 volts 50 HTZ single phase AC supply confirming to ISS No. 374/79 and provided with insulation. (The brand should be got approved from the Executive Engineer before supply made)				
		a) 48" Electric fan 1200mm sweep			Each No.	
		b) 42" Electric fan 1050mm sweep			Each No.	
76.		Supplying and laying of **8SWG GI wire** on wall below ground levels with necessary 'U' Nails, earth work excavation and refilling etc... including cost of all materials etc.. all complete.			1 Rmt (One Running Metre)	
77.		**Run of main with 2 wires of 1.5 sq.mm.** copper PVC insulated unsheathed single core 1.1 kv grade cable with continuous earth by means of 1.5 sqm copper PVC insulated unsheathed single core 1.1. k.v. grade cable in fully concealed 19mm/ 20mm dia rigid PVC conduit pipe heavy duty with ISI mark cost of all materials specials etc., all complete.			1 Rmt (One Running Metre)	
78.		Providing **Earthing station** using piple electrode as per IS 3043 using 2.5m of 40mm and 1.0 m of 20mm B-class GI pipe including earth work excavation, brick work in cement mortar and plastering and cost of funnel. GI nuts, bolts, washers, check nuts. GI bend reduce and coupling C.I. cover of 30x30cm and including charcoal of 40 kgs and salt 10 kg etc., all complete.			1 No each	
79.1		Supplying and fixing **1 no of 30 amps** 500 volts grade porcelain **fuse unit** on suitable teakwood plank varnished to be fixed on the top of pole/EB street pole with necessary clamps including cost of all materials etc., all complete.			1 No each	
79.2		Supplying and fixing **3 no of 30 amps** 500 volts grade porcelain **fuse unit** on suitable teakwood plank varnished to be fixed on the top of pole/EB street pole with			1 No each	

S. No.	QUANTITY	DESCRIPTION OF WORK	TNBP No.	RATE IN FIGURES AND WORDS	UNIT IN FIGURES AND IN WORDS	AMOUNT
1	2	3	4	5	6	7
		necessary clamps including cost of all materials etc., all complete.				
80.		Supplying and fixing of 1 no of 375x300x20mm thick **TW plank v**arnished with 1 no of 25 amps 250 volts fuse unit and 1 no copper earth plate of suitable size bolts and nuts on wall for EB service connections including cost of all materials etc., all complete (Single phase service connection)			1 No each	
81.		Supplying and fixing best **country wood meter cupboard** with shutters double leaves with 230mmx25mm size CW planks for alround sides 62.5 mm x31.25mm styles and rails for shutters and 75mm x 25mm weld mesh of 6 and 10 gauge for panels including labour charges for fixing in position of shutters and cost of 'L' clamps. 6 nos of size 150x150mm size with 25mmx4mm Ms flats, 1nos of 6" x 1/2" aluminium aldrop with bolts and nuts. 6 nos of 3" size I.O. butt hinges with screws 2 nos of 2" size I.O. hooks, eyes, TW plugs, screws etc. complete as directed by the Departmental officers and as per drawings.			1m^2 (One Square metre)	
82.		Supplying and delivery of single Fluorescent Tubular lamp **Street light** fittings complete with heavy gauge aluminium sheet fabricated canoply treated primered and painted with stove enameled CRCA sheet steel contract gear cum reflector tray duly finished glossy white for optimum reflection with clear ribbed acrylic bowl fixed to aluminium frame with gasket lining secured to canophy by means of hinges on one side and fogglecatches in the other side for effective projection against dust and water entry all prewired upto terminal block complete with all accessories such as copper wire,Tube lights 40 watts, 4 feet long, wound ballast capacitor, starter etc., Complete with side entry mounting conforming to IS 10322 / and including labour charges for fixing street light fittings in the EB pole/ wall			1 No each	

S. No.	QUANTITY	DESCRIPTION OF WORK	TNBP No.	RATE IN FIGURES AND WORDS	UNIT IN FIGURES AND IN WORDS	AMOUNT
1	2	3	4	5	6	7
		with GI pipe 20mm dia 2m length and accessories etc., with 15 amps 500v fuse unit on a TW plank 150x100x20mm thick etc., complete as directed by the departmental officers. (The quality of the entire fitting should be got approved from the EE before use.)				
83.		Supply of **MS angle** 40 x 40 x 6mm for EB service connection (Single phase) to support the GI Pipe and fixing the GI stay wire for service connection wires.			1 Rmt (One Running Metre)	
84.		**Run of the 2 wires of 4sqmm** copper PVC insulated single core cable with one run of 7/20GI stay wire suspended with porecelin reel insulators at 1.0m centre to centre for support of phase and neutral cable from top of street pole to the house / flats including all materials etc... all complete for EB service connections including labour charges for fixing GI wire and MS angles (For EB Service connection single phase)			1 Rmt (One Running Metre)	
85.		Supply of **GI pipe of 25mm** dia 'B' class for EB Service connection (single phase) for passing through from top of house of the EB Board.			1 Rmt (One Running Metre)	
86.		Providing pre-constructional **Antitermite treatment** including cost of chemicals labour as per standard specifications for preparing the area for treatment by spraying chemicals and other incidental charges etc.. complete. The rates should be got for curing antitermite treatment from the plinth beam and brick masonry with super structure in contact with the backfile earth and at the junction on the walls. The top surface of filled earth for flooring and the soil along with the perimeter of the building by making holes with the crow bar and poured 5% termicide. "Chloripyrifos" and spraying and the same termicide solution on the wooden frames and treating the other periphery of buildings etc., complete in all respects as per IS 6313 (part II)/ 1981 and as directed by the departmental officers.			$1m^2$ (One Square metre)	

S. No.	QUANTITY	DESCRIPTION OF WORK	TNBP No.	RATE IN FIGURES AND WORDS	UNIT IN FIGURES AND IN WORDS	AMOUNT
1	2	3	4	5	6	7
87.		Supplying and fixing 40amps Earth leakage Circuit Breaker/Residual Current Circuit Breaker (ELCB/ RCCB) 30 milli amps sensitive 6KA breaking capacity with ISI marked single phase unit (IS 12640) for incoming. 2 Nos. 6 amps single pole 'B' series miniature circuit breaker for outgoing lighting 1 No 16 amps single pole miniature circuit 'C' series breaker ISImarked (IS 8828) for power plugs outgoing in suitable breaking capacity of MCB should have 9 KA (MCB and ELCB/RCCB should be of same manufacture). The ELCB and MCB will be fixed on the 18 Gauge thick MS Box of size 12"x15"x2½" all concealed in wall and covered with 3 mm thick laminated hylem sheet with brass screws and all inter connections etc., complete.			1 No each	
					TOTAL Rs.	

(Rupees .....

.....)

BOOKLET : 2

Contain Pages : 49 (Forty Nine only)

[SCHEDULE-A]

(Detailed Tender Specification)