

ITEM NO.	EXCAVATION	DESCRIPTION	UNIT	Total Quantity	D-RATE		A-RATE		C -Rate		B-RATE		E-RATE		F-RATE		Remarks	Minimum		Maximum		Average		
					Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount		Rate	Amount	Rate	Amount	Rate	Amount	Rate
101		Excavation in any kind of soil except rock for foundations of walls, columns, piles, pile caps, raft, ducts, lift pit, basement, and plinth beams, pipe trenches, etc. The rate to include shoring, strutting, refilling with the approved earth in the trenches, foundation pits, etc. by ramming, watering, consolidating with mechanical roller in 25-30cm layers, removing and stacking simultaneously the excavated stuff as directed and/or for filling up pits/trenches, spreading soils in layers on site with the approved surplus earth as directed and compacting the same to achieve 95% Proctor density. Payment will be on the basis of net dimensions shown on drawing. Rates shall include extra space for shattering or working and bailing of storm water, etc. The Contractor should stack the same at the available space in the premises (Maximum lead of 1 km) as directed by engineer in charge. No extra payment shall be paid for the re-handling of the earth at any location within the project premises. No working space shall be considered for measurement & payment beyond the net dimensions shown in the drawings. The contractor shall required additional consider working space if required while quoting the rate. Excavation rate shall include dewatering in pit at any depth while execution by electric/mechanical pump motor, dewatering by means of ground water table, storm water or any other source of water.																						
101A		For depth upto 1.5m	M <sup>3</sup>	3,960.00	189.00	7,48,440.00	180.00	7,12,800.00	215.00	8,51,400.00	220.00	8,71,200.00	180.00	7,12,800.00	190.00	7,52,400.00			180.00	7,12,800.00	220.00	8,71,200.00	195.67	7,74,840.00
101B		For depth (1.5-3.0m)	M <sup>3</sup>	3,077.00	215.00	6,62,805.00	235.00	7,11,345.00	235.00	7,11,345.00	260.00	7,87,020.00	215.00	6,50,805.00	210.00	6,35,670.00			210.00	6,35,670.00	260.00	7,87,020.00	228.33	6,91,165.00
101C		For depth (3.0-4.5m)	M <sup>3</sup>	186.00	255.00	47,430.00	315.00	58,590.00	275.00	51,150.00	295.00	54,870.00	255.00	47,430.00	235.00	43,710.00			235.00	43,710.00	315.00	58,590.00	271.67	50,530.00
104		Rate to include for carting away surplus excavated earth from site including loading & unloading & depositing off from the plot premises to 5.0km lead. Payment on the basis of m3 measurement. Actual excavated soil as per drawing will be considered to measure the quantity & payment. Rate to include transport including loading, unloading and stacking etc. complete & disposed items are to be dumped inside/outside of the plot premises as suggested by engineer in charge. This item is applicable if material is shifted from Lagajjar project premises to out side of other premises at any lead. Contractor to get approval from PMC/Client for shifting any material out side of project premises. Material shifting for inside of project premises is covers in BOQ item no 101.	M <sup>3</sup>	929.00	110.00	1,02,190.00	175.00	1,62,575.00	115.00	1,06,835.00	195.00	1,81,155.00	110.00	1,02,190.00	110.00	1,02,190.00			110.00	1,02,190.00	195.00	1,81,155.00	135.83	1,26,189.17
105		Filling in plinth, in plot, embankments, etc. with selected excavated earth (from other areas included in this Tender) brought from within the site including ramming, watering to optimum moisture content, compacting in 25-30 cm layers using mechanical vibratory roller, etc. complete. Compaction shall be carried out up to 95% Proctor density. Actual measurement of compacted fill for the total depth shall be considered.	M <sup>3</sup>	1,068.00	160.00	1,70,880.00	175.00	1,86,900.00	170.00	1,81,560.00	250.00	2,67,000.00	160.00	1,70,880.00	170.00	1,81,560.00			160.00	1,70,880.00	250.00	2,67,000.00	180.83	1,93,130.00
106		Filling in plinth, in plot, embankments or any other area within the site with approved, selected earth / selected quarry waste brought from outside site, including freight, transportation, loading, unloading, taxes, royalty, screening, etc. The approved, selected earth / quarry waste shall be as per the requirements specified for embankment construction in "Specifications for Road & Bridge Works" Revision 5 of Ministry of Shipping, Road Transport & Highways. Actual measurement of compacted fill shall be considered.	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	
106B		As per 106 but using mech. vibr roller	M <sup>3</sup>	2,426.00	675.00	16,37,550.00	875.00	21,22,750.00	425.00	10,31,050.00	525.00	12,73,650.00	425.00	10,31,050.00	350.00	8,49,100.00			350.00	8,49,100.00	875.00	21,22,750.00	545.83	13,24,191.67
107		Filling in foundation, plinth and/or any other area as required, with sand as specified in BOQ, obtained from outside, including watering, ramming well, consolidating and dressing etc. complete, as directed.	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	
107B		As per 107 for coarse sand	M <sup>3</sup>	81.00	1,300.00	1,05,300.00	1,325.00	1,07,325.00	1,200.00	97,200.00	1,250.00	1,01,250.00	1,200.00	97,200.00	1,250.00	1,01,250.00			1,200.00	97,200.00	1,325.00	1,07,325.00	1,254.17	1,01,587.50
108		Rate to include supply of rubble as per General Specifications and of approved quality, by rubble packing with interstices filled with approved murrum or stone dust, or sand watered and rolled to compaction in level, fine, gradient, etc. complete. Finished dimensions shall be measured.	M <sup>3</sup>	25.00	550.00	13,750.00	2,150.00	53,750.00	706.00	17,650.00	675.00	16,875.00	550.00	13,750.00	500.00	12,500.00			500.00	12,500.00	2,150.00	53,750.00	855.17	21,379.17
109		Pre-construction anti-termite treatment to buildings shall be with emulsified insecticides as per IS- 6133 (part II) (latest revision). The Contractor shall carry out the work through an approved agency and provide a guarantee for seven years on a stamp paper from an approved agency. Only carpet area shall be measured for payment.	M <sup>2</sup>	2,766.00	95.00	2,62,770.00	80.00	2,21,280.00	95.00	2,62,770.00	115.00	3,18,090.00	80.00	2,21,280.00	90.00	2,48,940.00			80.00	2,21,280.00	115.00	3,18,090.00	92.50	2,55,855.00
117		Filling in plinth, in plot, embankments or any other area within the site with approved quality coarse aggregates of size 20mm - 40 mm, including freight, transportation, loading, unloading, taxes, royalty, screening, etc. Actual measurement of fill shall be considered.	M <sup>3</sup>	25.00	2,250.00	56,250.00	2,150.00	53,750.00	1,725.00	43,125.00	1,650.00	41,250.00	1,650.00	41,250.00	2,100.00	52,500.00			1,650.00	41,250.00	2,250.00	56,250.00	1,930.83	48,020.83
200	CONCRETE	Generally, all Concrete work shall be as per IS 456 (latest revision) and measured in M3. No allowance is made for thickness of members. The rate shall also include mix design for various strengths and cubes taken from fresh concrete and tested as per the relevant IS code. No extra amount will be paid for admixtures to improve workability or to influence setting time or gain early strength in recommended portions as per IS:5913 (latest revisions), except for water proofing admixtures for which item is separately mentioned. The rates shall include for providing of all materials, mixing, placing, forming pockets for holding down bolts, placing inserts as shown in drawing at correct location, level, necessary changes in formwork, reinforcement, bonding agent or construction joint and cold joint if applicable etc. complete with curing, all equipments like pumps, concrete carrying trucks, etc., materials, labour, etc. complete. Measurement shall be on the basis of net quantity of concrete worked out from the dimensional details given in the drawing. All concrete shall be machine mixed and machine vibrated. Volumetric system of concrete manufacturing is not allowed. Formwork and Reinforcement measured separately. Please note use of flyash is not allowed and only OPC cement of approved make has to be used. refer to other general notes for concrete in preambles and is applicable to all the items under this section unless otherwise specified separately. Minimum cement content consider as per IS 456:2000 for M7.5, M10, M15, M20, M25, M30 and M35 concrete respectively for designed concrete mix. Above minimum cement content is for 20mm nominal size aggregate and medium workability (i.e. limit of slump shall be 25-75mm). Admixtures shall be allowed to improve workability or to influence setting time or gain early strength in recommended portions as per IS:5913 (latest revision). Ready mix concrete shall be allowed to replace maximum 20% cement (by weight) with fly ash (as per IS- 3812). All concrete items inclusive of curing for minimum 15 days from casting.	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	
		Note:- In case of ready mix, concrete shall be allowed to replace maximum 20% cement (by weight) with fly ash (as per IS- 3812) Please take a note that concrete for grade slab flooring for laerscreed/tremix will not be allowed to replace cement with flyash.	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	
213		Providing and fixing factory made precast RCC perforated drain covers Fuji or equivalent, having concrete of strength not less than M-25, of specified sizes, reinforced with T.M.T. bars, including providing perforations, including providing edge binding with M.S. flats of size 50 mm mm x 1.6 mm complete, all as per direction of Engineer and as per manufacturer's specification & recommendations. The precast cover shall be got prior approved from the engineer before procurement or execution.	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	
213M		For width 600-800mm & 150mm thick	M	283.00	3,255.00	9,21,165.00	5,450.00	15,42,350.00	3,600.00	10,18,800.00	3,535.00	10,00,405.00	3,255.00	9,21,165.00	2,000.00	5,66,000.00			2,000.00	5,66,000.00	5,450.00	15,42,350.00	3,515.83	9,94,980.83
215		The rate to include for supplying and fixing in position approved make PVC water stoppers of Calipast or equivalent make for expansion & construction joint etc. as directed.	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	
215A		150mm wide single bulb with 8-11mm thick	M	25.00	585.00	14,625.00	635.00	15,875.00	400.00	10,000.00	490.00	12,250.00	400.00	10,000.00	550.00	13,750.00			400.00	10,000.00	635.00	15,875.00	510.00	12,750.00
222		Extra over item no. 224 for Providing and laying reinforced cement concrete structural slab using Tremix system or equivalent including Roller vibration, Surface vibration, Power floating, trowelling, topping, making concrete joints (if required), etc. complete. Reinforcement/shuttering will be measured separately.	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	
222E		For 150 thick	M <sup>2</sup>	2,773.00	120.00	3,32,760.00	140.00	3,88,220.00	128.00	3,54,944.00	115.00	3,18,895.00	115.00	3,18,895.00	99.00	2,74,527.00			99.00	2,74,527.00	140.00	3,88,220.00	119.50	3,31,373.50
224		Providing and placing ready Mix Concrete (RMC) from RMC plant or batching plant within site at all floors for All Building & Infrastructure RCC elements including vibrating, Smooth finishing, curing, cleaning the site etc complete conforming to relevant standards specifications. The rate of item is inclusive of cost of cement. RMC plant shall be fully automatic and computerised. Proportion/design mix shall be approved by Engineer in charge before placing of the concrete. Testing of all materials and produced concrete shall be done as per the relevant IS standards of the concrete.	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	
224A		For M20 Grade concrete	M <sup>3</sup>	417.00	6,350.00	26,47,950.00	6,050.00	25,22,850.00	5,800.00	24,18,600.00	6,300.00	26,27,100.00	5,800.00	24,18,600.00	5,800.00	24,18,600.00			5,800.00	24,18,600.00	6,350.00	26,47,950.00	6,016.67	25,08,950.00
224B		For M25 Grade concrete	M <sup>3</sup>	21.00	6,100.00	128,100.00	5,875.00	123,375.00	5,700.00	119,700.00	5,700.00	119,700.00	5,500.00	115,500.00	5,500.00	115,500.00			5,500.00	115,500.00	6,100.00	128,100.00	5,770.83	1,21,187.50
224Ba		At and below plinth level	M <sup>3</sup>	1,638.00	6,500.00	10,67,000.00	6,625.00	1,08,51,750.00	6,100.00	99,91,800.00	6,550.00	1,07,28,900.00	6,100.00	99,91,800.00	6,000.00	98,28,000.00			6,000.00	98,28,000.00	6,625.00	1,08,51,750.00	6,312.50	1,03,39,875.00
224Bb		Plinth to 4.5 m	M <sup>3</sup>	172.00	6,700.00	1,152,400.00	6,725.00	1,156,700.00	6,200.00	10,66,400.00	6,800.00	10,66,400.00	6,200.00	10,66,400.00	6,200.00	10,66,400.00			6,200.00	10,66,400.00	6,800.00	11,69,600.00	6,470.83	1,12,583.33
224Bc		4.5 m to 9.0 m from plinth level	M <sup>3</sup>	1,513.00	6,900.00	10,43,970.00	7,000.00	1,02,68,400.00	6,350.00	96,07,550.00	7,050.00	1,06,66,600.00	6,350.00	96,07,550.00	6,350.00	96,07,550.00			6,350.00	96,07,550.00	7,050.00	1,06,66,650.00	6,633.33	1,00,36,233.33
224Bd		9.0 m to 13.5 m from plinth level	M <sup>3</sup>	977.00	7,250.00	70,82,500.00	6,900.00	67,42,300.00	6,500.00	63,50,500.00	7,200.00	71,22,100.00	6,500.00	63,50,500.00	6,500.00	63,50,500.00			6,500.00	63,50,500.00	7,200.00	72,52,100.00	6,825.00	66,68,025.00
224Be		13.5 m to 18.0 m from plinth level	M <sup>3</sup>	43.00	7,450.00	3,20,550.00	7,025.00	3,02,075.00	6,800.00	2,92,400.00	7,650.00	3,28,950.00	6,800.00	2,92,400.00	6,700.00	2,88,100.00			6,700.00	2,88,100.00	7,650.00	3,28,950.00	7,070.83	3,04,045.83
224C		For M30 Grade concrete	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	
224Ca		At and below plinth level	M <sup>3</sup>	144.00	7,000.00	10,08,000.00	6,800.00	9,79,200.00	6,300.00	9,36,000.00	6,725.00	9,68,400.00	6,500.00	9,36,000.00	6,200.00	8,92,800.00			6,200.00	8,92,800.00	7,000.00	10,08,000.00	6,620.83	9,53,400.00
224D		For M15 Grade P.C.C.	M <sup>3</sup>	21.00	6,100.00	128,100.00	5,875.00	123,375.00	5,700.00	119,700.0														

[illegible]

	Providing and laying in position 25 mm thick polished Kota stone of uniform color and sorted out for green colour in single piece for steps, risers and landing of staircase and window sills as per drawing including providing necessary cement mortar 1:2 bedding with cement slurry, forming grooves as per details, rounded edges, curing, polishing with oxalic acid (3 coats or more as required), daily mopping with water & kerosene for at least 15 days, etc. complete	M <sup>2</sup>	296.00	1,650.00	4,88,400.00	1,850.00	5,47,600.00	1,650.00	4,88,400.00	1,550.00	4,58,800.00	1,550.00	4,58,800.00	1,700.00	5,03,200.00	1,550.00	4,58,800.00	1,850.00	5,47,600.00	1,658.13	4,90,866.67
744A	Same as 744 for granite	M <sup>2</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
729	Providing & fixing in position at any height 6 mm. thick broken glazed tiles in size 12 mm to 20 mm, of odd sizes and shapes laid in approved crazy pattern (with one or more color in pattern, as directed for floor) / side having plain or curved surfaces, in cement mortar 1:3 proportion with cement, floating, joints finished with white or approved colour cement including tamping, watering, curing, cleaning with oxalic acid, etc. complete as per the Engineer's instructions.	M <sup>2</sup>	2,766.00	775.00	21,43,650.00	700.00	19,36,200.00	700.00	19,36,200.00	950.00	26,27,700.00	700.00	19,36,200.00	845.00	23,37,270.00	700.00	19,36,200.00	950.00	26,27,700.00	778.33	21,52,870.00
739	Providing and laying floor blocks (Rubber Modelled) of Alcock or other approved equivalent (minimum Comp. Strength 300 kg/cm <sup>2</sup> or as per BICO) of approved shape and color as per architectural pattern. (25% Coloured and 75% gray). Special pieces to make straight edges at corners / edges shall be provided and laid. No cutting / in-situ concrete shall be allowed at site. Rate to include for 50mm thick sand bedding below the paver and filling the joints between paver block with sand filling by light duty vibrator plate roller. Measurement shall be on square meter base of the finished paved area.	M <sup>2</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
739A	80mm thick-M40 grade	M <sup>2</sup>	103.00	1,150.00	1,18,450.00	925.00	95,275.00	900.00	92,700.00	950.00	97,850.00	900.00	92,700.00	900.00	92,700.00	900.00	92,700.00	1,150.00	1,18,450.00	954.17	98,279.17
739B	65mm thick-M40 grade	M <sup>2</sup>	412.00	1,050.00	4,32,600.00	750.00	3,09,000.00	800.00	3,29,600.00	750.00	3,09,000.00	750.00	3,09,000.00	750.00	3,09,000.00	750.00	3,09,000.00	1,050.00	4,32,600.00	808.33	3,31,033.33
740	Providing and laying in position average 9 mm to 10 mm thick homogeneous, full body vitrified tiles of first quality with polish first grade finish ( P-3), Asian, Bell, Johnson, Kajaria or Bestile or approved equivalent make, in floors, sills, jambs, of approved make, color and size, in cement slurry over minimum 15 mm thick 1:4 cement mortar bedding. Tiles shall be without any chamfer at the edges (joint less type), shall have scratch hardness of min. 7 on Moh's scale and shall meet chemical resistance standards of relevant ASTM/ DIN. Rate to include for laying in proper position, Spacers 3mm thick the adhesive any color, slope and level, grouting / painting of joints with white cement and matching pigment, curing, acid cleaning etc. complete as directed.	M <sup>2</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
740A	600mm x 600mm	M <sup>2</sup>	737.00	1,350.00	9,94,950.00	1,350.00	9,94,950.00	1,250.00	9,21,250.00	1,350.00	9,94,950.00	1,250.00	9,21,250.00	1,312.00	9,66,944.00	1,250.00	9,21,250.00	1,350.00	9,94,950.00	1,310.33	9,65,715.67
741	Same as per item 740 but providing on walls with 6 mm thick backing, including making jar and finishing the same. Include for making 8 mm size grooves just above the tiles and finishing flush with the wall plaster.	M <sup>2</sup>	61.00	1,450.00	88,450.00	1,750.00	1,06,750.00	1,375.00	83,875.00	1,450.00	88,450.00	1,375.00	83,875.00	1,400.00	85,400.00	1,375.00	83,875.00	1,750.00	1,06,750.00	1,466.67	89,466.67
742	Same as item 740 but for 75 to100 mm high skirting. Rate to include for 8 mm groove in the plaster just above the skirting and making the skirting flush with the plaster.	M	170.00	235.00	39,950.00	285.00	48,450.00	175.00	29,750.00	1,495.00	2,54,150.00	175.00	29,750.00	278.00	47,260.00	175.00	29,750.00	1,495.00	2,54,150.00	440.50	74,885.00
745	Providing and fixing 20 mm thick granite for platforms, sinks, shelves, etc. including necessary edges machine cut (uniform thickness), rounded edges, necessary cement mortar bedding, cement slurry, cement jointing providing hole for sink etc. complete.	M <sup>2</sup>	23.00	7,000.00	1,61,000.00	6,000.00	1,38,000.00	5,500.00	1,26,500.00	5,995.00	1,37,885.00	5,500.00	1,26,500.00	5,842.00	1,34,366.00	5,500.00	1,26,500.00	7,000.00	1,61,000.00	5,972.83	1,37,375.17
769	Providing and fixing 18 to 20 mm thick stone for window / door sill & jambs as specified in drawing in cement slurry over minimum 20 mm thick 1:4 cement mortar bedding including moulding, polishing etc. complete as directed.	M <sup>2</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
769A	Polish Kota stone	M <sup>2</sup>	252.00	2,800.00	7,05,600.00	2,500.00	6,30,000.00	1,800.00	4,53,600.00	1,550.00	3,90,600.00	1,550.00	3,90,600.00	1,750.00	4,41,000.00	1,550.00	3,90,600.00	2,800.00	7,05,600.00	1,991.67	5,01,900.00
769B	Granite stone	M <sup>2</sup>	7.00	7,800.00	49,000.00	6,000.00	42,000.00	5,500.00	38,500.00	5,995.00	41,965.00	5,500.00	38,500.00	5,560.00	24,500.00	3,500.00	24,500.00	7,800.00	49,000.00	5,582.50	39,077.50
771	Providing & laying non metallic hardener of Nitoflor Hardtop of Foroc /ika or other approved equivalent non-metallic monolithic surface floor hardening compound over fresh concrete (trem/laser scored surface surface) as per the manufacturer's instructions. Moh's hardness of the aggregates of the compound shall not be less than 8. Include for all labour, wastage, curing, finishing, etc. complete. (consumption of 4 KG/sqm)	M <sup>2</sup>	6,644.00	84.00	558,096.00	65.00	431,860.00	55.00	3,65,420.00	125.00	8,30,500.00	55.00	3,65,420.00	65.00	431,860.00	55.00	3,65,420.00	125.00	8,30,500.00	74.83	4,97,152.67
772	Providing & applying Lithium Silicate based concrete densifier of BASF, Ashford Formula - IBA, Foroc or approved equivalent over concrete surface as per the manufacturer's instructions / recommendations. Rate to include for all material, labour, wastage, curing, grinding, finishing, Mirror polishing etc. complete in all respect. Payment shall be on the basis of net plan area of the floor.	M <sup>2</sup>	6,433.00	232.00	14,92,456.00	250.00	16,08,250.00	175.00	11,25,775.00	295.00	18,97,735.00	175.00	11,25,775.00	125.00	8,04,125.00	125.00	8,04,125.00	295.00	18,97,735.00	208.67	13,42,352.67
800	DOORS & WINDOWS	-	-	-	94,74,407.00	-	87,39,410.00	-	80,37,495.00	-	98,83,235.00	-	76,32,020.00	-	79,31,275.00	-	-	-	-	-	-
808	Supplying and fixing in position glazed, operable, double or single leaf anodized aluminium doors with aluminium frame of Indal / Indal / Hindalco make, having weight of aluminium sections as approximately 8 kg/ m <sup>2</sup> of opening area (excluding the weight of beading for glass/ panel fixing), size and shape as per details, including supplying and fixing necessary hold fasts, all fixtures and fastenings of anodized aluminium as per requirement with 6 mm thick MDO/Saint Gobain float glass, EPDM special gasket felt and aluminium bedding, with all accessories like SS handle, 125 mm long SS hinges, flush tower bolts, concealed cylindrical lock (Dowlat/Kitch make), etc., labour and materials complete as per details and direction of the Engineer. Include for rough ground on top and sides of the door and approved quality silicone sealant at joints and on all sides. (Measurement on the basis of out to out dimensions of the frame).	M <sup>2</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
808A	Same as 808 but upto 5kg/m <sup>2</sup> of opening area	M <sup>2</sup>	4.00	7,800.00	31,200.00	6,100.00	24,400.00	5,975.00	23,900.00	6,500.00	26,000.00	5,975.00	23,900.00	5,700.00	22,800.00	5,700.00	22,800.00	7,800.00	31,200.00	6,341.67	25,366.67
810	Supplying and fixing operable, sliding anodized aluminium windows with aluminium frame of Indal / Indal / Hindalco make, having weight of aluminium sections as approximately 4 kg/ m <sup>2</sup> of opening area (excluding the weight of beading for glass/ panel fixing) , size, shape and design as per details including all fittings and fixtures with 6 MM thick plate glass fixed with special EPDM gasket and wool felt (include for rough ground on top and sides of the window and approved quality silicone sealant at joints) on all sides. Aluminium bedding of approved make with all materials and labour etc. complete.	M <sup>2</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
810B	Same as 810 but exceeding 2kg/m <sup>2</sup> but not exceeding 4kg/m <sup>2</sup> of opening area	M <sup>2</sup>	374.00	5,500.00	20,57,000.00	3,500.00	13,09,000.00	5,730.00	21,43,020.00	5,850.00	21,87,900.00	3,500.00	13,09,000.00	5,300.00	19,82,200.00	3,500.00	13,09,000.00	5,850.00	21,87,900.00	4,896.67	18,31,353.33
814	Providing and fixing of General Purpose Hollow metal steel door (Two Hours fire rated) with vision panel made of Pressed Galvanized Steel Single /Double leaf to required sizes of "Shakti Met / Hormann" or approved equivalent which consists of frame, shutter, sill and finish as detailed below and conforming to IS 277 (latest version). Door frame shall be single rebate profile of size 100 x 57 mm made out of 1.65mm thick galvanized steel sheet (18 gauge). Frames should be mitered and field assembled with self tabs. Frames should be provided with back plate bracket and anchor fasteners for installation on a finished plastered masonry wall opening. One frame installed should be grouted with cement slurry if recommended on the clear masonry opening. Door leaf should be 46 mm thick fully flush double skin door with vision line. Door leaf shall be manufactured from 1.2mm minimum thick galvanized steel sheet. The internal construction of the door should be rigid with steel stiffeners/ pads and reinforcement. The infill material shall be resin bonded honeycomb core. All doors should be factory prepped for receiving appropriate hardware and provided with necessary reinforcement for hinges, locks, and door closers etc. The edges should be interlocked with a bending radius of 1.4mm. For pair of doors astragals has to be provided on the meeting stile for both active and inactive leaf. Vision line wherever applicable should be as per joinery details with a torse on glass beading on the inside. Size of vision panel should be 300 x 300 mm. The glass should be 5mm clear fire rated toughened glass. All doors and frames shall be finished with etched primer coating, stove zinc phosphate primer and thermosetting polyurethane aliphatic grade paint of approved colour. The door leaf and frame shall have passed minimum 250 hours of salt spray test. Rate should include supply and installation of door and hardware such as door closer, SS ball bearing butt hinges, 1 nos of SS Handles-outside, Panic Bar-Inside, one Mortice lock (Single side key operation (Cylinder)-outside etc. complete as per manufacturer's specification and as directed by engineer in charge.	M <sup>2</sup>	16.00	24,900.00	3,98,400.00	20,000.00	3,20,000.00	22,675.00	3,62,800.00	14,500.00	2,32,000.00	14,500.00	2,32,000.00	18,800.00	2,88,000.00	14,500.00	2,32,000.00	24,900.00	3,98,400.00	19,095.83	3,05,533.33
814B	Same as 814 but upto 5kg/m <sup>2</sup> of opening area	M <sup>2</sup>	3.00	22,500.00	67,500.00	18,500.00	55,500.00	25,050.00	75,150.00	12,500.00	37,500.00	12,500.00	37,500.00	15,000.00	45,000.00	12,500.00	37,500.00	25,050.00	75,150.00	17,675.00	53,025.00
827	Providing and fixing hydraulic door closure of required size and approved make, conforming to IS 3564.	KG	14.00	3,250.00	45,500.00	3,500.00	49,000.00	2,270.00	31,780.00	7,500.00	1,05,000.00	2,270.00	31,780.00	3,500.00	49,000.00	2,270.00	31,780.00	7,500.00	1,05,000.00	3,715.00	52,010.00
844	Adjustment in rate of item nos. 808, 810 for variation in weight of aluminium section ( including anodizing) per m <sup>2</sup> of opening area -- as compared to the weight of aluminium section mentioned in a particular item.	NO	155.00	680.00	93,000.00	450.00	69,750.00	375.00	58,125.00	395.00	58,125.00	375.00	58,125.00	395.00	58,125.00	395.00	58,125.00	600.00	93,000.00	457.50	70,512.50
867	Providing & supplying Aluminium frame with pre-laminated exterior grade 30 mm thick flush door with aluminium with 16 mm thick teak wood lapping on all sides, i.e. hinges, bolts, SS handle, mortice lock, SS door stopper of Dorma/Boreet make or approved equl etc complete. Aluminium anodized section of Indal or hindalco brand having weight of aluminium sections as approximately 4 kg/m <sup>2</sup> of opening area (excluding beading for glass/panel fixing) size shape and design as per detail. Rate to include all fittings and fixtures, silicon sealant, sheet metal screw with PVC roll plug at 450 c/c for aluminium frame for fixing with RCC/brick/cement board partition/cement blocks etc complete as per direction of engineer in charge.	M <sup>2</sup>	41.00	11,255.00	4,61,455.00	9,250.00	3,79,250.00	7,760.00	3,18,160.00	6,500.00	2,66,500.00	6,500.00	2,66,500.00	7,000.00	2,87,000.00	6,500.00	2,66,500.00	11,255.00	4,61,455.00	8,044.17	3,29,810.83
867B	Same as 867 but with 40 mm thick flush door with 200 mm x 600 mm vision panel of 6 mm thick clear glass	M <sup>2</sup>	36.00	14,800.00	5,32,800.00	13,000.00	4,68,000.00	16,880.00	6,07,680.00	7,800.00	2,80,800.00	7,800.00	2,80,800.00	7,900.00	2,84,400.00	7,800.00	2,80,800.00	16,880.00	6,07,680.00	11,363.33	4,09,080.00
867C	Supplying and fixing fixed anodized aluminium windows with aluminium frame of Indal / Indal / Hindalco make, having weight of aluminium sections as approximately 4 kg/ m <sup>2</sup> of opening area (excluding the weight of beading for glass/ panel fixing), size, shape and design as per details including all fittings and fixtures with 6 MM thick clear float glass fixed with special EPDM gasket on all sides. Rate to include 6 mm thick clear glass, all fittings and fixtures, silicon sealant, sheet metal screw with PVC roll plug at 450 c/c for aluminium frame for fixing with RCC/brick etc complete as per direction of engineer in charge.	M <sup>2</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
876A	Same as 876 but upto 5.8kg/m <sup>2</sup> of opening area	M <sup>2</sup>	78.00	6,400.00	4,99,200.00	3,500.00	2,73,000.00	9,005.00	7,02,390.00	8,500.00	6,63,000.00	3,500.00	2,73,000.00	6,300.00	4,91,400.00	3,500.00	2,73,000.00	9,005.00	7,02,390.00	6,200.83	4,83,665.00
877	Supplying & Fixing Motorised Per colour coated GI Rolling Shutter of "Gandhi Automation, Shakti Horman, Aviance, NHVA" or approved equivalent with top cover, made from non-perforated(perforated G.I. strips (1.0mm) with interlocking latch sections, complete with side guides, bottom, brackets made from M.S. sheet, with strong suspension and fitting accessories in best workmanship with two coats of polyurethane paint of approved colour over one coat of grey epoxy primer. The rolling shutter with automation system comprising compact Gear operator (Direct Drive Motor) with inbuilt limit switches, control panel & manual chain override in case of power failure and push button. Rate shall be paid for opening size only in 10.ft.	M <sup>2</sup>	41.00	14,500.00	5,94,500.00	14,000.00	5,74,000.00	17,010.00	6,97,410.00	12,950.00	5,39,950.00	12,950.00	5,39,950.00	13,500.00	5,53,500.00	12,950.00	5,39,950.00	17,010.00	6,97,410.00	14,151.67	5,80,218.33
878	Supplying & fixing aluminium fixed louver frame with aluminium louvers of Indal / Indal / Hindalco (Up to 8 kg/m <sup>2</sup> ). Rate to include all fittings and fixtures, silicon sealant, SS Mosquito net, sheet metal screw with PVC roll plug at 450 c/c for aluminium frame for fixing with RCC/brick etc complete as per direction of engineer in charge.	M <sup>2</sup>	32.00	5,800.00	1,85,600.00	6,200.00	1,98,400.00	9,005.00	2,88,160.00	8,500.00	2,72,000.00	5,800.00	1,85,600.00	5,500.00	1,76,000.00	5,500.00	1,76,000.00	9,005.00	2,88,160.00	6,800.83	2,17,626.67
900	PLASTERING Rates to include for supply of labour, materials, plant, necessary scaffolding, compacting, curing etc at any height, complete as directed at any level, height, position and floor. Rates shall also include for racking and/or brush hammering to form key for plaster and for spatter dash treatment as and where necessary. Rates also include for rounded angles, chamfered angles, grooves and for making good after all trades. The Contractor shall get the approval of sample plaster (1m x 1m) from the Engineer before proceeding for the work.	-	-	-	49.66.155.00	-	37.20.300.00	-	53.08.575.00	-	46.93.875.00	-	32.29.155.00	-	42.33.550.00	-	-	-	-	-	-
902	Providing & laying 20 mm thick double coat sand faced plaster with backing coat of 1:4 cement mortar with rough finish and second coat in 1:2 cement mortar evenly applied and trowelled of uniform grains and shade of coarse sand in two coats, including drip moulds, pattas, grooves, watering etc. complete as directed.	M <sup>2</sup>	4,487.00	575.00	25,80,025.00	535.00	24,00,545.00	625.00	28,04,375.00	525.00	23,55,675.00	525.00	23,55,675.00	500.00	22,43,500.00	500.00	22,43,500.00	625.00	28,04,375.00	547.50	24,56,632.50

903	Providing and fixing hexagonal chicken wire mesh 26 G 15mm square at junction of concrete and brickwork or between different materials etc. including fixing with nails, raw plugs etc. complete before applying plaster as directed.	M <sup>2</sup>	588.00	165.00	97,020.00	275.00	1,61,700.00	114.00	67,032.00	135.00	79,380.00	114.00	67,032.00	145.00	85,260.00	114.00	67,032.00	275.00	1,61,700.00	158.00	92,904.00
904	20 mm thick smooth steel trowelled waterproof plaster in 1:4 cement mortar with waterproofing agent as per Manufacturer's instructions to the surfaces as directed.	M <sup>2</sup>	352.00	610.00	2,15,320.00	535.00	1,88,855.00	649.00	2,29,097.00	440.00	1,55,320.00	440.00	1,55,320.00	475.00	1,67,675.00	440.00	1,55,320.00	649.00	2,29,097.00	524.83	1,85,266.17
908	Providing and laying 20 mm thick steel trowelled cement finish Mala plaster in two coats. First coat in 1:4 cement mortar with rough finish and second coat in 1:2 cement mortar evenly applied and trowelled smooth (to produce a perfectly smooth and even surface finish in colour) with finishing at corners/joints including scaffolding, curing, making grooves, pattas, dro moulds etc. complete as directed.	M <sup>2</sup>	4,059.00	545.00	22,12,155.00	535.00	21,71,565.00	575.00	23,33,925.00	490.00	19,88,910.00	490.00	19,88,910.00	440.00	17,85,960.00	440.00	17,85,960.00	575.00	23,33,925.00	512.50	20,80,237.50
916	Same as item no. 908, but single coat Mala plaster (steel trowelled finish) in 1:4 cement mortars and having thickness of 12 mm to 15 mm.	M <sup>2</sup>	825.00	422.00	3,48,150.00	425.00	3,50,625.00	500.00	4,12,500.00	425.00	3,50,625.00	422.00	3,48,150.00	410.00	3,38,250.00	410.00	3,38,250.00	500.00	4,12,500.00	434.00	3,58,050.00
1000	<b>PAINTING</b> Rate shall include for supply of materials, equipments, skill labours, necessary scaffolding and removal thereof, supply of brushes etc. as required. The work shall include for cleaning of surfaces, removal of dirt, dust, filling in crevices at any level to complete the work as directed. Samples shall be got approved before execution of work. Even though the number of coats specified against item of work, any additional coat shall be given without any extra cost to bring surface to the desired finish. Measurement & Payment shall be done on the basis of net area covered. No extra factor is applicable for measurement & payment. All the paint shall be low VOC to comply green building specification.	-	-	54,52,680.00	-	52,73,290.00	-	58,46,929.00	-	49,29,910.00	-	49,15,087.00	-	46,20,645.00	-	-	-	-	-	-	
1009	Providing three or more finishing coats of premium quality emulsion paint (CI) or AICIAN PAINT (or approved equivalent) approved make and shade to walls and ceilings applied evenly to give approved uniform finish. Allow for preparation of surface and a coat of primer as specified by the Manufacturer. Rate to include for min. 1.5 mm thick white cement Putty of Birla or other approved make to achieve a smooth surface to serve as base for the paint on plastered surface, including cleaning, staging, and necessary tools and make the surface as per manufacturers specifications.	M <sup>2</sup>	4,641.00	250.00	11,60,250.00	210.00	9,74,610.00	275.00	12,76,275.00	240.00	11,13,840.00	210.00	9,74,610.00	219.00	10,16,379.00	210.00	9,74,610.00	275.00	12,76,275.00	234.00	10,85,994.00
1011	Providing and applying three coats of acrylic based weathr proof exterior paint like "APEX" or equivalent approved make and shade over double coat sand faced plaster with a coat of cement primer including scaffolding, watering etc. complete at any level as directed.	M <sup>2</sup>	4,730.00	190.00	8,98,700.00	190.00	8,98,700.00	175.00	8,27,750.00	195.00	9,22,350.00	175.00	8,27,750.00	199.00	9,41,270.00	175.00	8,27,750.00	199.00	9,41,270.00	187.33	8,86,086.67
1100	<b>ROOFING AND CLADDING</b>	-	-	20,58,950.00	-	18,73,310.00	-	21,04,025.00	-	20,36,190.00	-	18,02,360.00	-	19,57,649.00	-	-	-	-	-	-	
1123	Providing, laying and fixing of uPVC Supreme / Astral make or equivalent rain water down take pipe line of 6 kg/cm <sup>2</sup> pressure rating (Class-5 Rating), as per lay-out, details and requirement including all necessary specials such as bends, Ys, Ys, offsets, plugs, reducers, pipe clamps, backing pieces, etc. and jointing with solution as per Manufacturer's instructions etc. complete.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1123A	As per 1123 but 110 dia pipes	M	25.00	922.00	23,050.00	950.00	23,750.00	930.00	23,250.00	875.00	21,875.00	875.00	21,875.00	850.00	21,250.00	850.00	21,250.00	950.00	23,750.00	900.33	22,508.33
1200	<b>STRUCTURAL STEEL WORK</b>	-	-	23,050.00	-	23,750.00	-	21,875.00	-	21,875.00	-	21,875.00	-	21,250.00	-	-	-	-	-	-	
1201	Supplying, fabricating, erecting, aligning and fixing in proper position mild steel portal frames, plate girder, gantry girder, trestles, trusses, columns, purllins, ties, bracing, sag bars, girds, etc. complete made of plates, angles, I / C beam and such other hot rolled sections conforming to IS 2062 and of approved make at site. Rate shall include for splices and supplying all IS mark materials such as welding rods, bolts, nuts, etc. and like labour for the work of straightening, cutting, drilling holes, necessary plants / equipments for assembling, bolting, welding, erecting, etc. complete as directed. Rate shall include for one coat of Zinc Chromate primer and two coats of approved epoxy paint after thorough cleaning of surfaces with wire brush / sandpaper and as per the Paint Manufacturer's instructions, removing all loose rust, dust and other such foreign materials before application of Paint. Fabrication shall be in a perfectly workmanship like manner and as provided in Section V and VI of IS 800 and IS 7215. Welding shall be carried out by qualified & approved welders. Electrodes for welding, the procedure, selection, test and inspection shall conform to provisions in IS 836, IS 822, and IS 833. Erection / hoisting shall commence only after passing of fabricated parts by the engineer-in-charge. Measurement of steel shall be on the basis of length of the sections as per drawings and standard weight as per IS code. Weight of bolt / welds shall not be considered for payment.	MT	8.00	1,19,000.00	9,52,000.00	1,28,500.00	10,28,000.00	1,25,000.00	10,00,000.00	1,15,000.00	9,20,000.00	1,15,000.00	9,20,000.00	1,17,000.00	9,36,000.00	1,15,000.00	9,20,000.00	1,28,500.00	10,28,000.00	1,19,916.67	9,58,333.33
1202	Rate to include for supplying, fabricating, welding, aligning, and fixing insert in positions, etc. complete as per drawings. Include for necessary charges required in form work. Other details same as per item no. 1201.	KG	905.00	122.00	1,10,410.00	135.00	1,22,175.00	157.00	1,42,085.00	135.00	1,22,175.00	122.00	1,10,410.00	128.00	1,15,840.00	122.00	1,10,410.00	157.00	1,42,085.00	133.17	1,20,315.83
1300	<b>WATER SUPPLY AND SANITARY</b>	-	-	10,62,410.00	-	11,50,175.00	-	11,42,085.00	-	10,42,175.00	-	10,30,410.00	-	10,51,840.00	-	-	-	-	-	-	
1305	Rate to include providing and fixing in position 150mm x 150 mm clear inside best quality approved salt glazed stone ware gully trap including embedding trap in cement concrete, C.I. grating, and C.I. cover, housing the trap in brick masonry chamber 230mm x 230mm with 150 mm thick in cement mortar 1:3 over a bed of 100 mm thick 1:3:6 B.B.C.C., plastering both side and necessary excavation, curing etc. complete.	NO	3.00	3,850.00	11,550.00	4,250.00	12,750.00	2,000.00	6,000.00	1,850.00	5,550.00	1,850.00	5,550.00	3,490.00	10,470.00	1,850.00	5,550.00	4,250.00	12,750.00	2,881.67	8,645.00
1308	Supplying and fixing first quality Wash Basin comprising C.P. waste coupling, C.P. bottle trap, chain with plug, C.P. stop cock, PVC connection, C.P. pillar cock and supporting brackets etc. complete. The rate shall include cost of all components, labor, loading and unloading, transportation, all necessary specials such as extension nipple, wall flanges, teflon tape etc. and all other incidental charges etc., with all leads and lifts, complete to the satisfaction of engineer-in-charge.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1309	For workers	NO	17.00	10,307.00	1,75,219.00	7,300.00	1,24,100.00	14,000.00	2,38,000.00	9,500.00	1,61,500.00	7,300.00	1,24,100.00	9,500.00	1,61,500.00	7,300.00	1,24,100.00	14,000.00	2,38,000.00	9,651.17	1,64,069.83
1312	Supplying & fixing European Water Closet suitable P/5 trap with Flush Tank, seat & lead (heavy duty) including C.I. Brackets, C.P. brass hinges, all internal fittings complete with rubber buffers, C.P. nuts, bolts, chaki, etc. making holes in walls & floors, & finishing for ready to use. The rate includes all necessary connection like Angle Valve with CP health faucet / bib tap, metropolitan flush valve, braided hose pipe, including cutting and making good the wall to the satisfaction of engineer-in-charge where required & the final handing over etc. The rate shall include cost of all components, labor, loading and unloading, transportation, all necessary specials such as extension nipple, wall flanges, teflon tape etc. and all other incidental charges etc., with all leads and lifts, complete to the satisfaction of engineer-in-charge.	NO	17.00	24,856.00	4,22,552.00	13,575.00	2,30,775.00	26,000.00	4,42,000.00	18,500.00	3,14,500.00	13,575.00	2,30,775.00	18,500.00	3,14,500.00	13,575.00	2,30,775.00	26,000.00	4,42,000.00	19,167.67	3,25,850.33
1315	Supplying and fixing first quality Urinal comprising C.P. waste coupling, C.P. bottle trap, C.P. stop cock / Calve, PVC connection, supporting brackets etc. complete. The rate shall include cost of all components, labor, loading and unloading, transportation, all necessary specials such as extension nipple, wall flanges, teflon tape, including connection to Water-pipe & drain-pipe, fasteners etc. and all other incidental charges etc., with all leads and lifts, complete to the satisfaction of engineer-in-charge.	NO	17.00	24,856.00	4,22,552.00	13,575.00	2,30,775.00	26,000.00	4,42,000.00	18,500.00	3,14,500.00	13,575.00	2,30,775.00	18,500.00	3,14,500.00	13,575.00	2,30,775.00	26,000.00	4,42,000.00	19,167.67	3,25,850.33
1315E	For workers	NO	12.00	8,455.00	1,01,460.00	8,200.00	98,400.00	14,000.00	1,68,000.00	12,500.00	1,50,000.00	8,200.00	98,400.00	8,500.00	1,02,000.00	8,200.00	98,400.00	14,000.00	1,68,000.00	9,975.83	1,19,710.00
1316	Rate to include providing and fixing heavy ISI Mark approved quality 15mm c.p. water taps with washer etc. complete as specified and directed.	NO	14.00	1,122.00	15,708.00	1,150.00	16,100.00	1,500.00	21,000.00	1,450.00	20,300.00	1,122.00	15,708.00	1,350.00	18,900.00	1,122.00	15,708.00	1,500.00	21,000.00	1,282.33	17,952.67
1318	Providing and fixing 25MM dia. C.P. turning type flush cock (weight not less than 1.5 kg) of an ISI Mark approved quality including washer etc. complete as specified and as directed.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1318A	25mm dia	NO	4.00	2,855.00	11,420.00	4,100.00	16,400.00	2,900.00	11,600.00	2,750.00	11,000.00	2,750.00	11,000.00	2,829.00	11,316.00	2,750.00	11,000.00	4,100.00	16,400.00	3,030.67	12,122.67
1319	Providing and fixing good quality MDO/Saint Gobain or equivalent mirror with approved PVC or Timber framing in position. Rate to include necessary screws and fixtures.	NO	17.00	2,155.00	36,635.00	2,000.00	34,000.00	5,500.00	93,500.00	1,850.00	31,450.00	1,850.00	31,450.00	1,699.00	28,883.00	1,699.00	28,883.00	5,500.00	93,500.00	2,509.00	42,653.00
1322	Providing and fixing Chromium plated Paper roll holder of Jaquar or equivalent approved make. Rate to include for all materials, labour, fixing, etc. complete.	NO	17.00	1,855.00	31,535.00	1,500.00	25,500.00	2,300.00	39,100.00	2,850.00	48,450.00	1,500.00	25,500.00	1,382.00	23,494.00	1,382.00	23,494.00	2,850.00	48,450.00	1,897.83	32,263.17
1323	Rate to include construction of inspection chamber of 600 x 600 x 1100 mm deep with brick wall with foundation in 1:4 cement mortar over a bed of 1:4:8 p.c.c. 150 mm thick, plastering both side with 1:3 CM with smooth cement finish internally, forming, benching, channeling, providing & fixing medium duty precast drain cover of 600 x 450 mm in top 100 thick R.C.C. slab. Include for necessary excavation and back filling etc. complete in all respect as directed.	NO	1.00	16,000.00	16,000.00	13,575.00	13,575.00	18,000.00	18,000.00	12,500.00	12,500.00	12,500.00	12,500.00	13,500.00	13,500.00	12,500.00	12,500.00	18,000.00	18,000.00	14,345.83	14,345.83
1328	Rate to include construction of Manhole of 1200 x 900 mm and up to specified depth with brick wall with foundation in 1:4 cement mortar over a bed of 1:4:8 p.c.c. 150 mm thick, R.C.C. top cover slab, plastering of 12-15 mm thick both side with 1:3 CM with smooth cement finish internally, forming, benching, channeling, providing & fixing C.I. / concrete frame and cover of 600 x 600 mm heavy duty and PVC rungs. Include for necessary excavation and backfilling etc. complete in all respect as directed.	NO	1.00	16,000.00	16,000.00	13,575.00	13,575.00	18,000.00	18,000.00	12,500.00	12,500.00	12,500.00	12,500.00	13,500.00	13,500.00	12,500.00	12,500.00	18,000.00	18,000.00	14,345.83	14,345.83
1328A	For depth up to 100mm (900mm x 900mm)	NO	2.00	17,255.00	34,510.00	18,000.00	36,000.00	24,000.00	48,000.00	19,500.00	39,000.00	17,255.00	34,510.00	18,029.00	36,058.00	17,255.00	34,510.00	24,000.00	48,000.00	19,006.50	38,013.00
1328B	For depth of 1500mm (900mm x 1200mm)	NO	1.00	23,258.00	23,258.00	26,150.00	26,150.00	44,000.00	44,000.00	28,500.00	28,500.00	23,258.00	23,258.00	23,258.00	23,258.00	23,258.00	23,258.00	44,000.00	44,000.00	28,075.33	28,075.33
1331	Providing and fixing Soap dishometer of 'bosh' or equivalent make having 55 body and transparent look. Soap storage capacity to be more than 500 ml.	NO	17.00	3,550.00	60,350.00	3,200.00	54,400.00	1,500.00	25,500.00	2,950.00	50,150.00	1,500.00	25,500.00	3,083.00	52,411.00	1,500.00	25,500.00	3,550.00	60,350.00	2,630.50	44,718.50
1332	Providing and fixing Chromium plated Paper roll holder of Jaquar or equivalent approved make. Rate to include for all materials, labour, fixing, etc. complete.	NO	17.00	1,855.00	31,535.00	1,500.00	25,500.00	2,300.00	39,100.00	2,850.00	48,450.00	1,500.00	25,500.00	1,382.00	23,494.00	1,382.00	23,494.00	2,850.00	48,450.00	1,897.83	32,263.17
1336	Providing, fixing HDPE "sinter" or other approved equivalent tank. Include for manhole cover, necessary plumbing for connection of the tank with inlet, outlet, overflow and washout pipes and installing tank over the supporting platform (measured separately).	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1336A	1000 L capacity	NO	1.00	20,500.00	20,500.00	20,350.00	20,350.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	20,000.00	20,000.00	15,000.00	15,000.00	20,500.00	20,500.00	17,641.67	17,641.67
1339	Providing and fixing 600 mm dia. C.I. (64kg wt for cover & 64 kg wt for frame) manhole cover with its. C.I. frame at any height / depth etc. complete as directed by the Engineer.	NO	1.00	25,000.00	25,000.00	11,700.00	11,700.00	13,000.00	13,000.00	9,500.00	9,500.00	9,500.00	9,500.00	8,900.00	8,900.00	9,500.00	9,500.00	25,000.00	25,000.00	12,933.33	12,933.33
1343	Providing, fixing and testing three valve (10 kg/cm <sup>2</sup> pressure rating) in working pressure, with flanged ends, including supply of all hardware materials such as nuts, bolts etc. complete as per specification to fix with HDPE pipes.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1343C	For 50mm dia	NO	1.00	2,855.00	2,855.00	8,000.00	8,000.00	22,000.00	22,000.00	5,500.00	5,500.00	2,855.00	2,855.00	3,000.00	3,000.00	2,855.00	2,855.00	22,000.00	22,000.00	7,368.33	7,368.33
1344	Rate to include supplying, laying and jointing pipe line for water supply or waste water or anti siphonage pipe or soil waste pipe including necessary specials like plain bends, door bends, collar junctions with hinged clamps, inspection plugs, cow with mica flap valve, etc. including jointing with spun yam and cement mortar, M seal sealant, necessary excavations, cheng and restoring to original condition, testing etc. complete as specified and directed but for PVC BWR pipe as per IS 15392 of "Astral/Supreme" Brand or other approved equivalent make including painting, PVC fittings / specials, etc.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1344A	40mm outer dia pipe	M	2.00	422.00	844.00	390.00	780.00	295.00	590.00	295.00	590.00	295.00	590.00	368.00	736.00	295.00	590.00	844.00	1,688.00	394.17	788.33
1344B	50mm outer dia pipe	M	15.00	518.00	7,770.00	515.00	7,725.00	370.00	5,550.00	695.00	10,425.00	370.00	5,550.00	430.00	6,450.00	370.00	5,550.00	7,770.00	15,540.00	483.00	7,245.00
1344D	90mm outer dia pipe	M	17.00	765.00	13,005.00	485.00	8,245.00	630.00	10,710.00	485.00	8,245.00	630.00	10,710.00	550.00	9,350.00	485.00	8,245.00	995.00	16,915.00	651.67	11,078.33

1344E	110mm outer dia pipe	M	5.00	822.00	4,110.00	625.00	3,125.00	810.00	4,050.00	1,550.00	7,750.00	625.00	3,125.00	883.00	4,415.00	625.00	3,125.00	1,550.00	7,750.00	885.83	4,429.17
1344F	160mm outer dia pipe	M	8.00	1,345.00	10,760.00	925.00	4,625.00	1,500.00	12,000.00	2,150.00	17,200.00	1,050.00	8,400.00	1,100.00	8,800.00	1,050.00	8,400.00	1,150.00	17,200.00	1,365.83	10,934.67
1345	Rate to include supplying and fixing of approved make Nani trap, having at least 75 mm waste seal with Zali on top including necessary cement for bedding, finishing etc. complete as directed but for <b>PVC Nani trap</b> of Supreme or other approved equivalent make.	NO	4.00	1,150.00	4,600.00	850.00	3,400.00	778.00	3,112.00	650.00	2,600.00	650.00	2,600.00	600.00	2,400.00	600.00	2,400.00	1,150.00	4,600.00	779.67	3,118.67
1346	Same as 1344 but for storm water Catch pit of 900 mm x 1200 mm including supply and fixing of RCC precast perforated cover as per the drawing.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1346B	Depth upto 0.8m (800mm x 600mm)	NO	5.00	14,500.00	72,500.00	13,575.00	67,875.00	20,000.00	1,00,000.00	16,500.00	82,500.00	13,575.00	67,875.00	13,455.00	67,275.00	13,455.00	67,275.00	20,000.00	1,00,000.00	15,367.50	76,337.50
1346C	Depth upto 1.0m (800mm x 800mm)	NO	5.00	17,200.00	86,000.00	18,000.00	90,000.00	30,000.00	1,50,000.00	19,500.00	97,500.00	17,200.00	86,000.00	19,000.00	95,000.00	19,000.00	95,000.00	30,000.00	1,50,000.00	20,150.00	1,00,750.00
1361	Rate to include supplying, laying, jointing and testing of C-class pipes TATA brand or equivalent for water supply distribution system including wastage, all ISI marked fittings such as bends, tees, elbows, unions couplings etc. with spun yarn for pipes and Teflon tape for fittings and fixtures, cutting, making holes and chasing wall, floors etc. and making good the same to original condition etc. complete as directed and specified. Include for two coats of anti-corrosive bituminous paint of approved quality but for <b>UPVC pipe of Grade 4-B</b> .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1361B	For 32 mm dia	M	10.00	184.00	1,840.00	225.00	2,250.00	295.00	2,950.00	275.00	2,750.00	184.00	1,840.00	179.00	1,790.00	179.00	1,790.00	295.00	2,950.00	223.67	2,236.67
1361C	For 25 mm dia	M	10.00	267.00	2,670.00	275.00	2,750.00	425.00	4,250.00	385.00	3,850.00	267.00	2,670.00	262.00	2,620.00	262.00	2,620.00	425.00	4,250.00	313.50	3,135.00
1361D	For 32 mm dia	M	10.00	372.00	3,720.00	350.00	3,500.00	595.00	5,950.00	490.00	4,900.00	350.00	3,500.00	356.00	3,560.00	356.00	3,560.00	595.00	5,950.00	418.83	4,188.83
1361E	For 40 mm dia	M	15.00	456.00	6,840.00	400.00	6,000.00	750.00	11,250.00	610.00	9,150.00	400.00	6,000.00	470.00	7,050.00	400.00	6,000.00	750.00	11,250.00	514.83	7,715.00
1361F	For 50 mm dia	M	46.00	642.00	29,532.00	500.00	23,000.00	905.00	41,630.00	715.00	32,890.00	500.00	23,000.00	530.00	24,380.00	500.00	23,000.00	905.00	41,630.00	632.00	29,072.00
1369	Supplying and laying Foam core SN 4 pipes of any dia. (Astral or equivalent) below ground with all required tools, and consumables like, tee, coupler, solvent etc. Rate to include for testing as per manufacturer's specifications excavating trenches in soil up to 1000mm depth, shoring, dewatering (if required), supplying & laying fine sand bedding of minimum 100mm thickness below the pipe, back filling with excavated earth in layers not exceeding 300mm with watering and ramming of each layer, final dressing and leveling at ground level. Measurement shall be as per net actual length of pipe laid at site. Rate to include disposal of excess earth as directed by the Engineer.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1369B	160 mm dia	M	82.00	1,411.00	1,15,702.00	1,375.00	1,12,750.00	1,049.81	86,084.15	2,150.00	1,76,300.00	1,049.81	86,084.15	1,282.00	1,05,124.00	1,282.00	1,05,124.00	2,150.00	1,76,300.00	1,386.27	1,13,674.05
1373	Providing and fixing UPVC SWR "P" trap of approved make having min 50mm water seal including jointing, cutting, making good the walls, floors, all complete as directed by the engineer in charge. Rate to include SS 316 Gratings of Chilli Brand for "P-Trap" with frame and cover embedded in floor with white cement mortar etc. complete as per manufacturer's specification. Rate to include clamp/hanger support for hanging plumbing, PCC 1:2:4 bedding below floor & all connection to soil & waste water from traps etc. complete as directed.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1373B	For 130 mm x 75 mm	NO	15.00	4,855.00	72,825.00	850.00	12,750.00	4,022.00	60,330.00	750.00	11,250.00	750.00	11,250.00	2,000.00	30,000.00	2,000.00	30,000.00	4,855.00	72,825.00	2,204.50	33,067.50
1382	Constructing RCC Marolhe chamber/ Catch pit of given size and up to specified depth with specified RCC wall with foundation in M-25 concrete grade over a bed of 75 mm thick P.C.C. 1:4:8 for foundation. 180 mm thick R.C.C. raft, Wall & Slab having reinforcement Fe-500D grade & spacing @ T10 @ 150 c/c both ways, plastering of 12-15 mm thick both side with 1:3 CA with smooth cement finish externally, forming, benching in RCC, channelling, providing & fixing heavy duty concrete frame and cover of 600 mm x 600 mm heavy duty and PVC runs The rate shall include cost of materials, labor, loading and unloading, transportation, scaffolding and all other incidental charges etc., with all leads and lifts, complete as per specifications, drawings and as directed by the Engineer-in-charge.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1382B	Depth upto 1000mm (800mmx500mm)	NO	2.00	38,400.00	76,800.00	28,500.00	57,000.00	28,000.00	56,000.00	27,500.00	55,000.00	27,500.00	55,000.00	21,057.00	42,114.00	21,057.00	42,114.00	38,400.00	76,800.00	28,492.83	56,985.67
1382D	Depth upto 1500mm (1200mmx900mm)	NO	2.00	47,256.00	94,512.00	55,000.00	1,10,000.00	52,000.00	1,04,000.00	43,500.00	87,000.00	43,500.00	87,000.00	37,500.00	75,000.00	37,500.00	75,000.00	55,000.00	1,10,000.00	46,459.33	92,918.67
1400	MISCELLANEOUS WORKS FOR ROAD / GRADE SLAB	-	-	-	36,16,756.00	-	12,73,978.00	-	59,00,536.15	-	15,53,820.00	-	11,48,509.15	-	13,44,153.00	-	-	-	-	-	-
Generally, for the Flooring/Road, Sub grade, Sub-base work shall be as per the 5th Revision, of Ministry of Road Transport & Highways unless specified otherwise in the relative item description. These specifications are called MORT&H specifications hereafter. The rate for individual items shall include for making temporary alternative arrangements for traffic during execution of that particular item, carrying out the work in part widths / part lengths as directed, all the required tests for quality control, establishment of a fully equipped Laboratory at Site for testing, all royalties, fees, leads and lifts for all the materials.																					
1401	Same as item no.101 but for/in roadway (i.e. in carriageways and / or footpaths) in soil of any types, including hard murrum up to specified depths. Any excess excavation shall be backfilled with suitable, approved material and thoroughly compacted in an approved manner. Payments to be made on net measurement.	M <sup>3</sup>	949.00	115.00	1,09,135.00	180.00	1,70,820.00	175.00	1,66,075.00	195.00	1,86,055.00	115.00	1,09,135.00	135.00	1,28,115.00	115.00	1,09,135.00	195.00	1,86,055.00	152.50	1,44,722.50
1402	Compact subgrade by power driven road roller of 8 to 12 tone or 2 to 4 tone vibrating roller with minimum 5 passes. Relative compaction required at subgrade is 98% of maximum compaction at optimum moisture content as per IS-2720(Part-8). Rates to include for tamping subgrade to the levels, watering, longitudinal and cross falls as specified, making good any undulation developed during rolling by earth and re-rolling of that particular part.	M <sup>2</sup>	2,112.00	30.00	63,360.00	45.00	95,040.00	60.00	1,26,720.00	45.00	95,040.00	30.00	63,360.00	50.00	1,05,600.00	30.00	63,360.00	60.00	1,26,720.00	43.33	91,520.00
1409	Supply and lay stone/brick /Concrete edging of specified height and shape at the edges of road surface. Include excavation, backfilling, compacting, bedding of 75mm thick PCC 1:2:4, cutting and jointing in 1:4 cement mortar, curing, wastage etc. complete.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1409B	With M20 grade concrete of size 375 x 150mm high with bedding of 75mm thick p.c.c 1:2:4	M	319.00	885.00	2,82,315.00	650.00	2,07,350.00	1,000.00	3,19,000.00	695.00	2,21,705.00	650.00	2,07,350.00	680.00	2,16,920.00	650.00	2,07,350.00	1,000.00	3,19,000.00	760.00	2,42,440.00
1411	Providing and laying M25 grade in road having minimum flexural strength as 2.8kN/m <sup>2</sup> , with brown finish in accordance with item no. 602 of MORT&H specifications including form work, compacting in internal and surface variations, finishing, curing, etc. complete as specified and as directed. The Contractor will be permitted to use Ready mix concrete (RMC) by establishing automatic batch mixing plant on site or procuring it from such a plant from the vicinity of the plot. Rate to include cost of admixtures, if required, to improve the workability. Design mix of the Concrete shall be approved by the Engineer prior to use of concrete at Site.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1411B	For 180 mm thick	M <sup>2</sup>	287.00	6,900.00	19,80,300.00	7,850.00	22,52,950.00	6,600.00	18,94,200.00	6,995.00	20,07,565.00	6,600.00	18,94,200.00	6,900.00	19,80,300.00	6,600.00	18,94,200.00	7,850.00	22,52,950.00	6,974.17	20,01,585.83
1412	Dressing the transverse & longitudinal joints of concrete slabs with polysulfide sealant conforming to BS 5212 (Part 2) including cleaning the joints and ramming, backer rod etc. all as per item no. 602.2.8 & 602.11 of MORT&H specifications.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1412A	Polysulfide for 5mm wide & 12mm deep	M	722.00	155.00	3,11,910.00	100.00	72,200.00	125.00	90,250.00	180.00	1,29,960.00	100.00	72,200.00	120.00	86,640.00	100.00	72,200.00	180.00	1,29,960.00	130.00	93,860.00
1412B	Polysulfide for 25mm wide & 25mm deep	M	58.00	552.00	32,016.00	1,050.00	60,900.00	600.00	34,800.00	595.00	34,510.00	552.00	32,016.00	550.00	31,900.00	550.00	31,900.00	1,050.00	60,900.00	649.83	37,690.33
1413	Providing and fixing in position pre-moulded joint filler cap HD 100 / Armacel board or other approved equivalent board 20 mm thick conforming to U.S. 1838 for expansion joints, put to the required depth and 25 mm below the center and as directed including punching of holes to accommodate the dowels, etc. all as per item no. 602.2.7 of MORT&H specifications.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1413A	For 180mm thick slab	M	58.00	235.00	13,630.00	225.00	13,050.00	200.00	11,600.00	310.00	20,300.00	200.00	11,600.00	300.00	17,400.00	300.00	17,400.00	350.00	20,300.00	251.67	14,586.67
1414	Providing and fixing in position high yield strength deformed steel in tie bars of 12 mm dia. and 700 mm long, wherever directed including applying bitumen, handling, fixing straightening, necessary cutting, wastage, saddles to keep bars firmly in position etc. complete in all respect.	NO	639.00	82.00	52,398.00	75.00	47,925.00	60.00	38,340.00	180.00	1,15,020.00	60.00	38,340.00	90.00	57,510.00	60.00	38,340.00	180.00	1,15,020.00	91.17	58,255.50
1415	Providing and fixing in position mild steel in dowel bars placed as directed including handling, fixing, straightening, necessary cutting, and wastage saddles to keep bars firmly in position etc. complete as per item no. 602.6.5 of MORT&H specifications. No extra payment will be made for applying bitumen / grease to dowel bars, warping waterproofing paper etc. as per drawing of expansion joint complete as directed	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1415A	12mm dia mild steel dowel bars	NO	341.00	82.00	27,962.00	85.00	28,985.00	60.00	20,460.00	180.00	61,380.00	60.00	20,460.00	100.00	34,300.00	60.00	20,460.00	180.00	61,380.00	94.50	32,224.50
1415B	25mm dia mild steel dowel bars	NO	2,643.00	212.00	4,73,976.00	275.00	5,61,825.00	227.00	4,63,761.00	315.00	6,44,405.00	227.00	4,63,761.00	250.00	4,83,750.00	227.00	4,63,761.00	315.00	5,61,825.00	257.67	5,26,411.00
1417	Cutting construction and dummy joints of the concrete slabs by mechanical saw cut means up to 35 mm depth and 5 mm width as directed by the Engineer.	M	3,348.00	58.00	1,94,184.00	65.00	2,17,620.00	60.00	2,00,880.00	90.00	3,01,320.00	58.00	1,94,184.00	65.00	2,17,620.00	58.00	1,94,184.00	90.00	3,01,320.00	66.00	2,20,960.00
1418	Providing 100 mm long PVC pipe around the dowel bars (25mm dia. approx length 500 mm coated with bitumen paint), left at the end of expansion joints, duly grained inside the pipe and around the pipe duly worked with glass wool/ compressible sponge at the end. End Cap as directed.	NO	412.00	48.00	20,736.00	65.00	28,080.00	51.00	22,032.00	90.00	38,880.00	48.00	20,736.00	50.00	21,600.00	48.00	20,736.00	90.00	38,880.00	58.67	25,344.00
1420	Supply lay and compact well graded material on prepared sub grade for granular sub base as per grading of table 400-1 of MORT&H specifications and consolidating the same to specified thickness. Include for placing screening / good murrum / crushed stone as per the requirements in the interstices, watering, rolling, etc. complete as per item 401 (granular sub base) of MORT&H specifications to achieve a surface which is well closed, free from movement under compaction equipment and free from ridges, cracks or loose materials. The measurement shall be on cubic meter basis of the net area executed.	M <sup>2</sup>	891.00	1,650.00	14,70,150.00	2,850.00	18,26,550.00	1,700.00	15,14,700.00	1,995.00	17,77,545.00	1,650.00	14,70,150.00	1,750.00	15,59,250.00	1,650.00	14,70,150.00	2,050.00	18,26,550.00	1,799.17	16,08,057.50
1421	Supply, laying and compact clean, crushed, graded aggregates & granular material, premixed with water to a dense mass over prepared sub-base and consolidating it to specified thickness in accordance with item 406 (lean mix macadam) of MORT&H specifications. Include for spreading, compaction and drying to achieve a surface which is well closed, free from movement under compaction equipment and free from ridges, cracks or loose materials all as per MORT&H requirements. The measurement shall be on cubic meter basis of the net area executed.	M <sup>2</sup>	485.00	1,800.00	8,73,000.00	2,150.00	10,42,750.00	1,900.00	9,21,500.00	1,995.00	9,67,575.00	1,800.00	8,73,000.00	1,875.00	9,08,375.00	1,800.00	8,73,000.00	2,150.00	10,42,750.00	1,920.00	9,31,200.00
1429	Providing and laying concrete kerb constructed with suitable kerb casting machine and of specified height, shape & size as per attached drawing, over 100 mm thick PCC in 1:3:6 at the edge of road surface. Rate to include for excavation, backfilling, cutting for gap/curbs, providing precast element at the gap for outlet of road side water, immediate cement finish on cast in situ kerb, curing, etc. complete	M	155.00	850.00	1,31,750.00	1,400.00	2,17,000.00	1,000.00	1,55,000.00	595.00	92,225.00	595.00	92,225.00	890.00	1,37,950.00	595.00	92,225.00	1,400.00	2,17,000.00	888.33	1,37,691.67
1430	Providing, laying and jointing NP3 grade concrete hume pipe conforming to IS-458 in line and level as shown on drawings (or as directed) to any depth. Rate shall include for 75 mm thick sand bedding, laying in slope, jointing with cement mortar 1:2:3 on collar, curing etc complete. Rate including Excavation upto 2.5m for pipe trenches and backfilling, dressing, spreading and carting surplus material complete as directed by Engineer-in-Charge (PCC Encasing paid in separate item.)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1430B	200 mm dia	M	41.00	878.00	35,998.00	1,100.00	45,100.00	850.00	34,850.00	1,100.00	45,100.00	850.00	34,850.00	1,100.00	45,100.00	850.00	34,850.00	1,100.00	45,100.00	979.67	40,166.33
1430C	250 mm dia	M	52.00	1,389.00	72,228.00	1,325.00	68,800.00	1,150.00	59,800.00	1,300.00	67										

[illegible]