

# **PACKAGE-1**

## **RESIDENCE TYPE-A**

# **GRAND SUMMARY**

S.NO:	DESCRIPTION	AMOUNT
1	Civil Works	
2	Electrical Works	
3	Plumbing Works	
4	HVAC Works	
GRAND TOTAL AMOUNT CARRIED TO MAIN SUMMARY		

# **CIVIL WORK**

(Structure & Architecture)

S.No	Description	Amount
<b>A</b>	<b><u>STRUCTURE WORKS</u></b>	
1	EARTH WORK	
2	SUB STRUCTURE	
3	SUPER STRUCTURE	
<b>B</b>	<b><u>ARCHITECTURE WORKS</u></b>	
5	DPC & MASONRY WORKS	
6	THERMAL & MOISTURE PROTECTION	
7	METAL WORK	
8	DOORS & WINDOWS WORKS	
9	FLOOR FINISHES	
10	WALL FINISHES	
11	CEILING FINISHES	
11	EXTERNAL FINISHES (BUILDING)	
12	ROOF FINISHING & WATER PROOFING	
	<b>Total Amount (A+B)</b>	
<b>C</b>	<b><u>EXTERNAL WORKS OTHER THAN BUILDING (NON COVERED AREA)</u></b>	
	ARCHITECTURAL WORKS	
	STRUCTURAL WORKS	
	<b>Total Amount (C)</b>	
	<b>Total (A+B+C) Carried to Grand Summary</b>	

S.No	Description	Qty	Unit	Rate	Amount
1	<b>EARTH WORKS</b> <b>All items under this head to be carried out as per specifications, Drawings, relevant BSI/ASTM Standards, and complete in all respect and to the entire satisfaction of the Engineer.</b>				
1.1	Excavation for foundation in all kind of soil/rock from existing ground level upto the required level including site clearing/cleaning, backfilling with approved excavated materials, dressing, leveling, compacting, surplus materials carting away from the site including all leads & lifts and dispose off at approved locations by the Engineer etc. complete in all respect as per specifications, drawings and direction of the Engineer.				
	i) From NGL (+ -) 0.0 upto -1.50 meter depth	150	M³		
	ii) From - 1.50 meter depth upto - 3.00 meter depth	50	M³		
1.2	Supplying and filling earth from approved outside sources including breaking clods, leveling, dressing, watering, consolidating and compacting in 15 cm layers to obtain required density including all lead & lifts etc. complete in all respect as per specifications, drawings and direction of the Engineer.	448	M³		
1.3	Providing and laying stone soling from approved quarry including hand packing & filling voids with stone metals, consolidating & compacting with power roller, etc, complete in all respect, as per specifications, relevant drawings, all works to be carried out and to the entire satisfaction of the Engineer.	47	M³		
1.4	Termite control treatment of sub grade soil, excavated surfaces and fill material with HEPTACHLOR emulsifiable to 0.5% with clean water or AGENDA 25 EC containing FIPRONIL or BIFLEX with Bifenthrin or DURS BIN or TENEKIL PLUS or MIRAGE of ALI AKBAR GROUP or approved equivalent as per manufacturer's specifications and instructions. <b>(Plinth area will be measured one time for payment whereas the number of applications will be three times on all horizontal &amp; vertical surfaces of the excavations for termite proofing).</b>	301	M²		
	<b>Total Amount Carried to Summary</b>				

S.No	Description	Qty	Unit	Rate	Amount
2	<b>SUB STRUCTURE</b> All items under this head to be carried out as per specifications, Drawings, relevant BSI/ASTM Standards, and complete in all respect and to the entire satisfaction of the Engineer. <b>CONCRETE</b>				
2.1	Providing and laying plain cement concrete class "E" (1:4:8) in foundation having a minimum Cylindrical strength of 10 Mpa at 28 days, for blinding or under floor where required using approved quality of 25mm maximum size graded crush stone with approved quality sand including rodding, leveling, compacting and curing, including fixing and removing of formwork etc, complete as per specifications, drawings and to the entire satisfaction of Engineer.				
	i) Below foundation, plinth, situ, under Floor /SOG /Ramps and where required	36	M <sup>3</sup>		
2.2	Providing and laying plain cement concrete class "D" (1:3:6) having a minimum Cylindrical strength of 10 Mpa at 28 days, where required using approved quality of 25mm maximum size graded crush stone with approved quality sand including rodding, leveling, compacting and curing, including fixing and removing of formwork etc, complete as per specifications, drawings and to the entire satisfaction of Engineer.	43	M <sup>3</sup>		
2.3	Providing and laying Reinforced cement concrete in sub structure works having a minimum Cylindrical strength of 21 Mpa at 28 days, using approved quality of 20 mm maximum size graded crush aggregate with approved quality fine aggregate including mechanically vibrating, leveling, compacting and curing, including fixing and removing of formwork etc, complete as per specifications, drawings and to the entire satisfaction of Engineer.				
	i) Footing	24	M <sup>3</sup>		
	ii) Plinth Beams	17	M <sup>3</sup>		
	iii) RCC Wall upto Plinth level		M <sup>3</sup>		
	iv) Column upto Plinth level	10	M <sup>3</sup>		
	<b>REINFORCEMENT</b>				
2.4	Providing, supplying, cutting, fabricating, placing and installing in position etc., straight or curved and tie hot rolled or cold-worked deformed steel bar reinforcement having minimum yield strength 414 Mpa (60,000 psi), including cost of binding wire, chairs, wastages, precast c.c. spacers and welding where required by the Engineer, as per BS or ASTM standard. Only the overlaps which are shown on drawings or instructed by the Engineer shall be payable as per BSI 4466. Complete as per drawing and specifications for all kind of R.C.C. work. Bars to be cut and placed in position at any level according to the Bar bending schedule prepared by the contractor and approved by the Engineer.	5	M.Ton		
	<b>Total Amount Carried to Summary</b>				

S.No	Description	Qty	Unit	Rate	Amount
3	<b>SUPER STRUCTURE</b> All items under this head to be carried out as per specifications, Drawings, relevant BSI/ASTM Standards, and complete in all respect and to the entire satisfaction of the Engineer.				
	<b>CONCRETE</b> 3.1 Providing and laying Reinforced cement concrete in super structure works having a minimum Cylindrical strength of 21 Mpa at 28 days, using approved quality of 20 mm maximum size graded crush aggregate and with approved quality fine aggregate including mechanically vibrating, leveling, compacting and curing , including fixing and removing of formwork etc, complete as per specifications, drawings and to the entire satisfaction of Engineer.				
	<b>Column</b> a Ground Floor and Roof	11	M³		
	<b>Beams, Lintels, Projections, Sills and Parapet</b> a Ground Floor and Roof	16	M³		
	<b>Slab</b> a Ground Floor and Roof	65	M³		
	RCC Steps/Seats/Staircase (Steps, Landings & Waist)	6	M³		
	Overhead Water Tank(Top, Bottom Slab & walls)	4	M³		
	<b>REINFORCEMENT</b> 3.2 Providing, supplying, cutting, fabricating, placing and installing in position etc., straight or curved and tie hot rolled or cold-worked deformed steel bar reinforcement having minimum yield strength 414 Mpa (60,000 psi), including cost of binding wire, chairs, wastages, precast c.c. spacers and welding where required by the Engineer, as per BS or ASTM standard. Only the overlaps which are shown on drawings or instructed by the Engineer shall be payable as per BSI 4466. Complete as per drawing and specifications for all kind of R.C.C. work. Bars to be cut and placed in position at any level according to the Bar bending schedule prepared by the contractor and approved by the Engineer.				
	Ground Floor First Floor and Roof	10	M.Ton M.Ton		
	<b>Total Amount Carried to Summary</b>				



S.No	Description	Qty	Unit	Rate	Amount
4	<b>EXTERNAL DEVELOPMENT</b> <b><u>EARTH WORKS</u></b> <b>All items under this head to be carried out as per specifications, Drawings, relevant BSI/ASTM Standards, and complete in all respect and to the entire satisfaction of the Engineer.</b>				
4.1	Excavation for foundation in all kind of soil/rock from existing ground level upto the required level including site clearing/cleaning, backfilling with approved excavated materials, dressing, leveling, compacting, surplus materials carting away from the site including all leads & lifts and dispose off at approved locations by the Engineer etc. complete in all respect as per specifications, drawings and direction of the Engineer.				
	i) From NGL (+ -) 0.0 upto -1.50 meter depth	234	M <sup>3</sup>		
	ii) From - 1.50 meter depth upto - 3.00 meter depth	81	M <sup>3</sup>		
4.2	Supplying and filling earth from approved outside sources including breaking clods, leveling, dressing, watering, consolidating and compacting in 15 cm layers to obtain required density including all lead & lifts etc. complete in all respect as per specifications, drawings and direction of the Engineer.	9	M <sup>3</sup>		
4.3	Providing and laying stone soling from approved quarry including hand packing & filling voids with stone metals, consolidating & compacting with power roller, etc, complete in all respect, as per specifications, relevant drawings, all works to be carried out and to the entire satisfaction of the Engineer.	8	M <sup>3</sup>		
4.4	Termite control treatment of sub grade soil, excavated surfaces and fill material with HEPTACHLOR emulsifiable to 0.5% with clean water or AGENDA 25 EC containing FIPRONIL or BIFLEX with Bifenthrin or DURSIBIN or TENEKIL PLUS or MIRAGE of ALI AKBAR GROUP or approved equivalent as per manufacturer's specifications and instructions. <b>(Plinth area will be measured one time for payment whereas the number of applications will be three times on all horizontal &amp; vertical surfaces of the excavations for termite proofing).</b>	0	M <sup>2</sup>		
	<b><u>SUB STRUCTURE</u></b> <b>CONCRETE</b>				
4.5	Providing and laying plain cement concrete class "E" (1:4:8) in foundation having a minimum Cylindrical strength of 10 Mpa at 28 days, for blinding or under floor where required using approved quality of 25mm maximum size graded crush stone with approved quality sand including rodding, leveling, compacting and curing, including fixing and removing of formwork etc, complete as per specifications, drawings and to the entire satisfaction of Engineer.				
	i) Below foundation, plinth, situ, under Floor /SOG /Ramps and where required	20	M <sup>3</sup>		

S.No	Description	Qty	Unit	Rate	Amount
4.6	Providing and laying plain cement concrete class "D" (1:3:6) having a minimum Cylindrical strength of 10 Mpa at 28 days, where required using approved quality of 25mm maximum size graded crush stone with approved quality sand including rodding, leveling, compacting and curing, including fixing and removing of formwork etc, complete as per specifications, drawings and to the entire satisfaction of Engineer.	9	M³		
4.7	Providing and laying Reinforced cement concrete in sub structure works having a minimum Cylindrical strength of 21 Mpa at 28 days, using approved quality of 20 mm maximum size graded crush aggregate with approved quality fine aggregate including mechanically vibrating, leveling, compacting and curing, including fixing and removing of formwork etc, complete as per specifications, drawings and to the entire satisfaction of Engineer.				
	i) Footing	41	M³		
	ii) Plinth Beams	11	M³		
	iii) RCC Wall upto Plinth level	0	M³		
	iv) Column upto Plinth level	21	M³		
	<b>REINFORCEMENT</b>				
4.8	Providing, supplying, cutting, fabricating, placing and installing in position etc., straight or curved and tie hot rolled or cold-worked deformed steel bar reinforcement having minimum yield strength 414 Mpa (60,000 psi), including cost of binding wire, chairs, wastages, precast c.c. spacers and welding where required by the Engineer, as per BS or ASTM standard. Only the overlaps which are shown on drawings or instructed by the Engineer shall be payable as per BSI 4466. Complete as per drawing and specifications for all kind of R.C.C. work. Bars to be cut and placed in position at any level according to the Bar bending schedule prepared by the contractor and approved by the Engineer.	8	M.Ton		

S.No	Description	Qty	Unit	Rate	Amount
4.9	<b><u>SUPER STRUCTURE</u></b>				
	<b>CONCRETE</b>				
	Providing and laying Reinforced cement concrete in super structure works having a minimum Cylindrical strength of 21 Mpa at 28 days, using approved quality of 20 mm maximum size graded crush aggregate and with approved quality fine aggregate including mechanically vibrating, leveling, compacting and curing , including fixing and removing of formwork etc, complete as per specifications, drawings and to the entire satisfaction of Engineer.				
	<b>Column</b>				
	a Ground Floor and Roof	17	M³		
	<b>Beams. Lintels, Projections,Sills and Parapet</b>				
	a Coping Beams	7	M³		
	b Progola beams	1	M³		
	<b>Slab</b>				
	a Ground Floor and Roof	-	M³		
4.10	RCC Steps/Seats/Staircase (Steps, Landings & Waist)	-	M³		
	Overhead Water Tank(Top, Bottom Slab & walls)	-	M³		
	<b>REINFORCEMENT</b>				
	Providing, supplying, cutting, fabricating, placing and installing in position etc., straight or curved and tie hot rolled or cold-worked deformed steel bar reinforcement having minimum yield strength 414 Mpa (60,000 psi), including cost of binding wire, chairs, wastages, precast c.c. spacers and welding where required by the Engineer, as per BS or ASTM standard. Only the overlaps which are shown on drawings or instructed by the Engineer shall be payable as per BSI 4466. Complete as per drawing and specifications for all kind of R.C.C. work. Bars to be cut and placed in position at any level according to the Bar bending schedule prepared by the contractor and approved by the Engineer.				
	Ground Floor and Roof	4	M.Ton		
	<b>Total Amount Carried to Summary</b>				