	ITEM OF WORK	REMARKS (Yes)
	I. <u>SITE PREPARATON</u>	
1.	Clearance of site (jungle clearance)	
2.	Setting of base line and bench mark.	
3.	Grid levels of the entire layout.	
4.	Demarcation of blocks as per approved Layout	
5.	Pre levels of the block	
6.	Fixation of basement levels	
7.	Fixation of road formation levels	
8	Pre-measurements taken for all the boulders	

	ITEM OF WORK	REMARKS (Yes)
	II. BASE PREPARATION:	
1)	Getting mix design approval With respect to source of materials approved	
2)	Verification of brand name of cement and steel as per agreement	
3)	And necessary quality tests before use.	
4)	Installation of quality lab by contractor where agreement value is more than 2.00 crores. Other wise the tests are to be conducted through universities or other agencies.	d
5)	Ensured the required Plant and Machinery required.	
6)	Is structural designs are supplied	
7)	Are the Layout and building plans approved.	

## NAME OF WORK:-

ITEM OF WORK	REMARKS (Yes)
III. FOUDATIONS:	
A. EARTH WORK EXCAVATION:	
1. Grid lines marked as per drawings.	
2. Footings marked as per designs and drawings.	
3. Excavated to the required size and depth and level as per estimate or as per designs.	
4. Is the soil met with foundation is as per the Agt. Classification	ı. 🗌
5. If loose soil is met with, is proper action is taken.	
6. Pre-measurements are taken for all boulders.	
7. Wetting before concreting is done where ever required.	
8. Shoring and strutting is done to the requirement	
9. Bailing of water is done wherever is required.	

## NAME OF WORK:-

ITEM OF WORK	REMARKS (Yes)
B. FOUNDATION CONCRETE:	
1) Verification and confirmation of mix	
a. Sand to be tested for its quality	
b. Metal to be tested for its quality.	
c. Cement to be tested for its quality.	
d. Measurement boxes to be verified for its measurements.	
e. Proper mixing of cement sand and metal is ensured.	
2) Deposition and placement of concrete to the required work	kability.
3) Centering to be provided where ever required.	
4) Concrete laid in layer not more than 150 mm thick	
5) Deposition of concrete not more than 1.20 met height.	
6. Damping is done whenever required	
7. Proper compaction is done by tampers at least for two cycles.	
8. Rough surface is created for the next course of work	
9. Bailing of water is done wherever is required.	

#### **NAME OF WORK:-**

ITEM OF WORK REMAR (Yes)	KS
C. R.C.C. FOOTINGS:	
<ol> <li>Centerline marking done and checked</li> <li>Verification and confirmation of mix</li> </ol>	
a. Sand to be tested for its quality	
b. Metal to be tested for its quality.	
c. Cement to be tested for its quality.	
d. Calibration of weigh batch machine is checked.	
e. Grade of concrete is achieved.	
3. Proper mixing of cement sand and metal is ensured	
4. Centering is in position	
5. Grade of concrete is checked.	
6. Size and shape of footing	
7. Fabrication of steel as per design	
8. Cover blocks provided as per design. For bottom and sides.	
9. Deposition of concrete not more than 1.20 met height.	
10. Slump of 25 to 30 mm.	
11. Pin vibrator is used for compaction up to all air bubbles is exhausted.	
12. Finished the surface	
13. Bailing of water is done wherever is required.	

#### **NAME OF WORK:-**

	ITEM OF WORK	REMARKS (Yes/No)
	C 1. REFILLING - FOUNDATIONS:	
1)	Refilling shall be done as per specification.	
2)	Filling earth shall be free from salts, Organic or other deleterious matter and also free from boulders & Clods.	
3)	The filling shall be carried out in layers not exceeding 150 mm thick	
4)	Each layer shall be watered and well compacted	
5)	The back fill shall be brought to the original ground surface.	
6)	The back fill shall not be taken up until the foundations Attain full strength.	
	C 2. FILLING - BASEMENT:	
1)	The earth / sand for filling in basement shall be of approved quality & specification and free from salts, organic or other deleterious matter.	
2)	Expansive soils and sea sand shall not be used.	
3)	The surface to be filled shall be cleared from all roots, vegetation, before filling.	
4)	Filling shall be done in layer of 150 mm thick and Well watered and compacted.	
5)	The finished level shall be bottom of the bed concrete level.	
6)	The back fill shall not be taken up until the basements attains full strength.	

### NAME OF WORK:-

ITEM OF WORK	REMARKS (Yes)
D. R.C.C. COLUMNS:	
1) Verification and confirmation of mix	
a. Sand to be tested for its quality	
b. Metal to be tested for its quality.	
c. Cement to be tested for its quality.	
d. Calibration of weigh batch machine is checked	
e. Grade of concrete is achieved.	
2) Proper mixing of cement, sand and metal is achieved.	
3) Centering is in position (Both line and plumb)	
4) Verification of column box (For its size, shape)	
5) Fabrication of steel as per design	
6) Cover blocks provided as per design.	
7) Is grade of concrete checked.	
8 ) Slump of 30 to 50 mm.	
8) Concrete laid in lavers not exceeding 15 cm	

9) Concrete deposited not more than 1.2 met height.	
10) Pin vibrator is used for all the layers till air bubbles exhausted.	
11) Finished the surface	
12) Joint treatment is done to receive the further course of work	

# NAME OF WORK:-

ITEM OF WORK	REMARKS (Yes)
E. PLINTH BEAM:	
1) Verification and confirmation of mix	
a. Sand to be tested for its quality	
b. Metal to be tested for its quality.	
c. Cement to be tested for its quality.	
d. Calibration of weigh batch machine is checked	
e. Grade of concrete is achieved.	
2) Proper mixing of cement, sand and metal is achieved.	
3) Centering is in position (line and vertical and perpendicular)	
4) Verification of centering (For its size, shape)	
5) Fabrication of steel as per design	
6) Cover blocks provided as per design. (for bottom and side)	
7) Is grade of concrete checked.	
8) Slump of 30 to 40 mm.	
8) Concrete laid in layers not exceeding 15 cm	
9) Concrete deposited not more than 1.2 met height.	

10) Pin vibrator is used for all the layers till air bubbles exhausted.	
11) Finished the surface	
12) Joint treatment is done to receive the further course of work	

### NAME OF WORK:-

	ITEM OF WORK	REMARKS (Yes)
	FABRICATION OF STEEL:	
1)	Checkup the brand name of steel procured as per Agreement	
2)	a) Physical & Chemicals analysis is done before use	
	b) The results within the permissible limits	
	c) Steel is free from scales, oils and grease.	
4)	Whether the anchor is provided (16 times the Ø of bar) for strips.( As per drawings and designs)	
5)	Whether lap length is provided correctly (development length) ( As per drawings and designs)	
6)	Whether chairs & spacers bars provided to maintain correct placing of reinforcement	
7)	Whether laps are staggered.	
8)	Laps at middle third length of member.	
9)	Is 18 guage binding wire is used and tied in double wire.	

#### **NAME OF WORK:-**

	ITEM OF WORK	REMARKS (Yes)
	IV. SUPERSTRUCTURE:	
1)	Verification and confirmation of mix	
	a. Sand to be tested for its quality.	
	b. Cement to be tested for its quality.	
	c. Measurement boxes to be verified for its measurements.	
	d. Proper mixing of cement and sand is ensured	
2)	Are the masonry units tested for its quality (Shape, size, compressive strength and absorption)	
3)	Scaffolding used	
4)	Vertical and bedding joints as per specifications (10mm for solid block and 12 mm for clay bricks)	
5)	Vertical and horizontal lines given	
6)	Verticality is checked	
7)	Finished the surface	
8)	Check for room dimensions as per drawing	
9)	Check for openings	

### NAME OF WORK:-

ITEM OF WORK	REMARKS (Yes)
V. LINTELS:	
1) Verification and confirmation of mix	
a. Sand to be tested for its quality	
b. Metal to be tested for its quality.	
c. Cement to be tested for its quality.	
d. Calibration of weigh batch machine is checked	
e. Grade of concrete is achieved.	
2) Centering is in position	
3) Cover blocks provided.	
4) Bearings are checked	
5) Check for steel and its position	
6) Deposition of concrete not more than	
1.2 mt height	
7) Is grade of concrete checked.	

8) Slump of 30 to 40 mm.	
9) Finished the surface	
10) Clearance of the openings maintained	

#### **NAME OF WORK:-**

ITEM OF WORK	REMARKS (Yes)
VI. LOFTS:	
1.Verification and confirmation of mix	
a. Sand to be tested for its quality	
b. Metal to be tested for its quality.	
c. Cement to be tested for its quality.	
d. Calibration of weigh batch machine is checked	
e. Grade of concrete is achieved.	
2.Centering is in position	
3.Cover blocks provided.	
4.Bearings are checked	
5.Check for steel and its position	
6.Deposition of concrete not more than	
1.2 mt height	
7) Is grade of concrete checked.	

8) Slump of 30 to 40 mm.	
9) Finished the surface	
10) Clearance of the openings maintained	

#### **NAME OF WORK:-**

ITEM OF WORK	REMARKS (Yes)
VII. CHAJJAS:	
1. Verification and confirmation of mix	
a. Sand to be tested for its quality	
b. Metal to be tested for its quality.	
c. Cement to be tested for its quality.	
d. Calibration of weigh batch machine is checked	
e. Grade of concrete is achieved.	
2. Centering is in position	
3. Cover blocks provided.	
4. Bearings are checked	
5. Check for steel and its position	
6. Deposition of concrete not more than	
1.2 mt height	
7) Is grade of concrete checked.	
8) Slump of 30 to 40 mm.	
9) Finished the surface	
10) Clearance of the openings maintained	

# NAME OF WORK:-

ITEM OF WORK	REMARKS (Yes)
VIII. ROOF AND ROOF LEVEL BEAM :	
2) Verification and confirmation of mix	
a. Sand to be tested for its quality	
b. Metal to be tested for its quality.	
c. Cement to be tested for its quality.	
d. Calibration of weigh batch machine is checked	
e. Grade of concrete is achieved.	
2) Proper mixing of cement, sand and metal is achieved.	
Centering is in position (line and vertical and perpendicular)	
e) Verification of centering (For its size, shape)	
i) Fabrication of steel as per design	
(for bottom and side)	
') Is grade of concrete checked.	
S) Slump of 30 to 40 mm.	
3) Concrete laid in layers not exceeding 15 cm	
) Concrete deposited not more than 1.2 met height.	

10) Pin vibrator is used for beams and plate vibrator for slab	
till air bubbles exhausted.	
11) Finished the surface	
12) Joint treatment is done to receive the further course of work	
13) Are the beams checked for its type, position, size and shape.	
14) All electrical conduits are placed as per drawing and requirement.	

#### **NAME OF WORK:-**

ITEM OF WORK	REMARKS (Yes)
DOORS AND WINDOWS:	
1) Size of the doors and windows as per specification	
2) Check the sections and gauge of the doors & windows	
3) Check the line and plumb including standard of hold fast	
4) Whether the doors and windows are correctly located	
5) Whether the fixtures are confirming to specification	

#### **NAME OF WORK:-**

ITEM OF WORK	REMARKS (Yes)
IX. ACCO PROOF PLASTERING:	
1) Verification and confirmation of mix	
a. Sand to be tested for its quality	
b. Cement to be tested for its quality.	
c. Proper mixing of cement and sand is achieved.	
d. Required water proof compound added.	
2) Thickness of Acco- proof plaster is maintained	
3) Slopes maintained	
4) Fine rendering with cement and thread line given	
5) Rounding corners at the junctions of wall and slab.	
6) Finishing	

### NAME OF WORK:-

	ITEM OF WORK	REMARKS (Yes)
	X. STAIR CASE:	
1)	Verification and confirmation of mix	
	a. Sand to be tested for its quality	
	<ul><li>b. Metal to be tested for its quality.</li><li>c. Cement to be tested for its quality.</li></ul>	
	d. Calibration of weigh batch machine is checked	
	e. Grade of concrete is achieved.	
	f. Proper mixing of cement, sand and metal is achieved	
2)	Centering is in position	
3)	Verification of Tread and Rise	
4)	Verification of steel and fabrication	
5)	Deposition of concrete not more than 1.2 met height	
6)	Cover blocks provided as per design.  (for bottom and side)	
7)	Is grade of concrete checked.	
8)	Slump of 30 to 40 mm.	

9) Concrete laid in layers not exceeding 15 cm	
10) Pin vibrator is used for beams and plate vibrator for slab	
till air bubbles exhausted.	
11) Finished the surface	

### NAME OF WORK:-

	ITEM OF WORK	REMARKS (Yes)
	XI. PLASTERINGS (INTERIOR AND EXTERIOR):	
1)	Verification and confirmation of mix	
	a. Sand to be tested for its quality	
	b. Cement to be tested for its quality.	
2)	c. Proper mixing of cement and sand is achieved Base preparation	
	a) Filling of scaffolding holes	
	b) Daubing	
	c) Removing and re-fixing of melting brick if any	
	d) Hacking, racking of the surfaces to be plastered (both R C C & masonry)	
3)	Wetting is done	
4)	Verticality checked	
5)	Thickness is maintained	
6)	Finishing : Providing groves at joints etc.	

HOUSE NO:	
ITEM OF WORK	REMARKS (Yes)
Check list for Water Proofing/ Sunken Slabs/ Sloped/I	Flat slabs:
1) Hacking the concrete surface.	
2) Levels of water proofing with respect to down take pipes	
<ol> <li>Initial water test 4 hours for slope roof</li> <li>hours for flat and sunken roofs after applying one coat of water proof paint</li> </ol>	
4) Leakage test of slab again after application of paint.	
5) Check for Cinder / brick but filling	
6) Proper packing for pipe sleeve	

#### **NAME OF WORK:-**

ITEM OF WORK	REMARKS (Yes)
XII. FLOORING:	
1) Verification and confirmation of mix	
a. Sand to be tested for its quality	
b. Cement to be tested for its quality.	
c. Proper mixing of cement and sand is achieved	
<ol> <li>Verification and confirmation of Quality of floor Tiles and required tests as per specification.</li> </ol>	s
3) Base preparation is done Including soaking of tiles	
4) Laying as per standards	
5 .Slopes maintained	
6. Proper Finishing achieved	
7. Check for conduct (T.V, Telephone points)	

#### **NAME OF WORK:-**

ITEM OF WORK	REMARKS (Yes)
XIII. PAINTINGS:	
<ol> <li>Verification and confirmation of material Color and shade brand name etc., as per specification</li> </ol>	
2) Base preparation is done (Racking of surface, removal of dead mortar etc)	
3) Application of coats as per specifications (No. of coats)	
4) Finishing.	

#### **NAME OF WORK:-**

	ITEM OF WORK	REMARKS (Yes)
	INTERNAL WATER SUPPLY:	
1)	Quality of pipes and make confirming to agreement	
2)	Is correct dia of pipe is laid	
3)	Whether pressure test is conducted	
4)	Laying and jointing as per approved drawings	
5)	Checking the alignment and line	
6)	Finishing:	
	a) Redoing chased surface to the original conditions	
	b) Fixing of clamps with sufficient intervals	
7)	Specials are up to the standards and required weight	
8)	Before concealing, the line checked against leakages	

#### **NAME OF WORK:-**

	ITEM OF WORK	REMARKS (Yes)
	SANITARY FITTINGS:	
1)	Quality of pipe confirming to specification.	
2)	Whether laying and jointing as per specification	
3)	Slopes and alignment is maintained	
4)	Fixing of clamps at every metre distance.	
5)	Whether specials are up to the standards and weight	
6)	Whether smoke test is conducted before concealing to rule out any leakages.	

ITEM OF WORK	REMARKS (Yes)
EXTERNAL WATER SUPPLY:	
<u>I.</u> OHSR & ELSR	
1) Confirmed staging height 2) Is mix design confirming to the specifications	
a. Sand to be tested for its quality	
b. Metal to be tested for its quality.	
c. Cement to be tested for its quality.	
d. Calibration of weigh batch machine is checked	
e. Grade of concrete is achieved.	
3) Proper mixing of cement, sand and metal is achieved	
4) Tests on materials are conducted and are within the limits	
5) Whether scaffolding is up to the standards and design	
6) Whether proper mechanical arrangements are made for placing of concrete	
7) Whether proper arrangements are made for inspections	
8) Verification of steel and fabrication as per design.	
9) Cover blocks provided as per design. (for bottom and side)	

10) Is grade of concrete checked.	
11) Slump of 30 to 40 mm.	
12) Concrete laid in layers not exceeding 15 cm	
13) Concrete deposited not more than 1.2 met height.	
14) Pin vibrator is used for beams and plate vibrator for slab till air bubbles exhausted.	
15) Curing	
16) Whether water testing is done	
17) Whether the pipes, valves and motors are as per the standard specifications	
18) Accessories such as lightning arrestor, Water gauge, Rcc fly proof phanial, ladders etc.,	

	ITEM OF WORK REMARI	KS
	EXTERNAL WATER SUPPLY:	
	II. MAIN LINES:	
1)	Whether the quality pipes are up to standard specification	
2)	Whether pressure tests is conducted	
3)	Whether laying and jointing is as per specification	
4)	Whether required depth of excavation is done	
5)	Whether the specials are as per standard make and weight	
6)	Whether testing for leakage is carried out before commencing the supply.	

# NAME OF WORK:-

ITEM OF WORK	REMARKS (Yes)
<u>:</u>	
FORM WORK	
1. Form and centering material shall be qualitative and to the specification.	
2. Wooden props shall be provided minimum at 2 feet and iron props shall be at 3 feet intervals.	
3. It should be cleaned before each use.	
4. Mud oil / grease to be applied and to be dried .	
5. No fabrication is to be done on wet oily surface.	
6. Any damaged centering to be checked before use and shall remo	ve.
7. Centering provided shall be to the required size and shape.	
8. Form work shall confirm to shape, size, lines, and verticality shown in the drawings.	
9. All dirt and debris shall be removed and the interior faces of form shall be cleaned and wetted before concrete placed.	

10. Forms intended to reuse shall be treated with care.	
11. Before placing the concrete, bolts and fixing in position and cores and other devices used for forming openings, holes etc., shall be fixed to form work.	
12. Wire ties passing through beams, columns and walls shall not be allowed.	
13. Under normal conditions, the forms shall strike only after expiry of the period given in I.S 456.	
14. If any form material rejected by the Engineer shall not be used again.	

HOUSE NO:	
ITEM OF WORK	REMARKS (Yes)
R.R MASONARY IN FOUNDATIONS:	
1. Size of the stone shall be relevant to the width of the wall and as per APDSS.	
2. Stone shall be free from fractures and fishers.	
3. Stone shall be cleaned before use.	
4. Bond stone shall be provided at every 3 to 4 feet and shall be staggered at each layer.	
5. Proper packing to be done with falls and cement mortar.	
6. It should be checked for room dimensions and line and diagonals	S.
7. The surface shall made rough to receive further layers.	
8. Lines to be given after completion of each layer.	

9. Bond stone shall be marked with red paint.	
10. Dressed corner stones shall be provided at all corners of the building as per APDSS.	
11. Top layer shall be finished to the required level ie. Invert level of plinth beam.	

### NAME OF WORK:-

ITEM OF WORK	REMARKS (Yes)
INTERNAL ELECTRIFICATION	
Whether conduit pipe, cables, switches and sockets are as per agreement specification .	
2. Whether earthing is done as per specification.	
3. Whether running and jointing of conduit pipe and cable is properly done.	
4. Whether panel board is located at appropriate place considering safety aspects.	
5. Whether meter board is placed at right place as per Transco's norms.	
6. Is testing of points is done.	

### NAME OF WORK:-

ITEM OF WORK	REMARKS (Yes)
INTERNAL ROADS	
1. Fixation of formation levels with reference to basements of the houses/flats.	
SUB-GRADE	
<ol> <li>Whether preparation of sub grade is as per specification and design and to the required level.</li> </ol>	
2. Whether carriage way and berms are as per approved design and specification.	
3. Whether compaction of sub grade is done under O.M.C	
4. Whether camber/cross fall is maintained.	
5. Whether proper alignment is maintained.	
SUB BASE	
1. Whether the material is as per agreement specification.	
2. Whether thickness and width are as required.	
3. Whether camber/cross fall is maintained	
4. Whether compaction is done to the required grade.	
5. Whether compacted thickness is achieved.	
6. Whether shape, alignment and finishing is achieved.	
7. Whether watering is done to the required level.	

#### **BASE COURSE**

1. Whether the material is as per standard specification and I.S Code.	
2. Whether correct width of carriage way and berms is maintained.	
3. Whether thickness (Loose) is achieved.	
4. Whether required camber/ cross fall Is maintained.	
5. Whether compaction is done properly	
6. Whether desired thickness is achieved after compaction.	
7. whether watering is done for a fortnight.	
BITUMINOUS COAT	
1. Whether bituminous material is up to the required	
grade and specification	
<ul><li>2. Whether width of the carriage way is maintained.</li><li>3. Whether required bituminous quantity is checked at all levels</li></ul>	
of operations such as tack coat, bituminous layer and seal coat.	
4. Whether loose thickness is achieved.	
5. Whether proper camber is maintained.	
6. Whether proper compaction is done.	
7. Whether compacted thickness is as per specification.	
8. Whether alignment, shape and jointing is up to the specification	
9. Whether Bituminous extraction test is done.	
10. All necessary tests to be carriedout at all levels of operation.	