



ENVISIONS SAFE AND SECURE HOMES FOR THE DEPRIVED



A Humanitarian Initiative to Provide Homes for the Tribes



GIVE THEM A CHANCE TO LIVE

The fate of the marginalized are overshadowed by development in hype and the rising cheers of economy. In the shallow hole , no one has patience & time to listen to the shrills of these underprivileged with dooming predicament. The destiny of the downtrodden sect is much eclipsed by flourishing nation buildup. Bifurcation of the humanity based on rich and poor has also fragmented the society. It is really saddening that India which is emblem of paradise, still gropes in dark terrains. Roof over head and one square mean a day is still a dream for many. These destitute souls lie around us-men, women and children, hopeless and devoid of fundamental needs.



DEPRIVED OF BASIC NECESSITIES OF LIFE

Can we breathe peacefully being contended at heart when we look at our fellow humans suffering for necessities, education and justice ? The answer would naturally be a NO. Every person shall be given his due rights to live with dignity and honor. It's high time that we must unite to safeguard their rights. We must rehabilitate our ill-fated brothers. Wisdom doesn't lie in books but deeds. It is best manifested through acts of compassion towards the deprived. It is certainly a hard task but not impossible as it seems. We can make a difference, climbing up and hand in hand together . Remember that is someone can bring a smile among them, it is YOU.



PROFOUND VISIONS TO PROTECT THE POOR

Man ascends the ladder of life by bettering his economic and social status. Education adds to his confidence and enables him understand life situations better and faster. But when it comes to tribal society what one sees is a bleak and somber picture. It presents a society outrageously denied of even the fundamental necessities like nourishment, attire, shelter or proper sanitation. Without steady economic growth or basic education their life remains stagnant.

SFO foundation promptly addresses and takes action on a whole lot of issues related to the poor and deprived, ranging from eradication of poverty, promotion of health and sanitation, protection of environment, empowerment of women, tribal inhabitation and creation of employment opportunities besides spreading importance of education and values. To actualize its vision SFO Foundation organizes a set of well focused and innovative outreach programs , all aimed at sustainable development of the downtrodden.



EXPLORING THE BOTTOM STRATUM OF A CIVILIZED WORLD

Living with a vague identity has been the fate of tribal society. In their struggle for everyday survival they get no time to go out and seek aid . The life and status of the tribals presents a very sorry state. They are one of the most neglected. SFO Foundation has drawn up several tribal welfare projects . The objectives of these projects is the total development of the tribal communities by providing them proper shelter, food, clothing, medical care and education.

LETS PUT AN END TO POVERTY AND HUNGER

ESTRANGED SOCIETY BEYOND REDRESSAL



AN OUTRAGE OF THE BURNING CRIES

TRIBAL DEVELOPMENT

Tribal Development is one of the prime focal areas of SFO Foundation. The action plan is developed with a view to provide the basic needs like home, food, shelter, education, clothing and medical care for tribals, the most neglected populace of the country. We hope that our initiatives will improve the lives of poor and bring dignity to their existence. We intend to help create communities that are economically stable and self sustaining in the long run, provide quality healthcare and ensure growth opportunities for all.



TRIBAL HOUSING

The Project in a Nutshell

The focus of the project is to provide healthy and hygienic living spaces, which are also eco friendly. The introduction of fiber cement panel, an excellent building material is the distinctive feature of the homes. The panel also maintains environmental sustainability. The homes will be constructed in the plots owned by individual tribes. A perfect action plan and methodology is developed and the project will be executed by strictly adhering to the stipulations made by the plan.



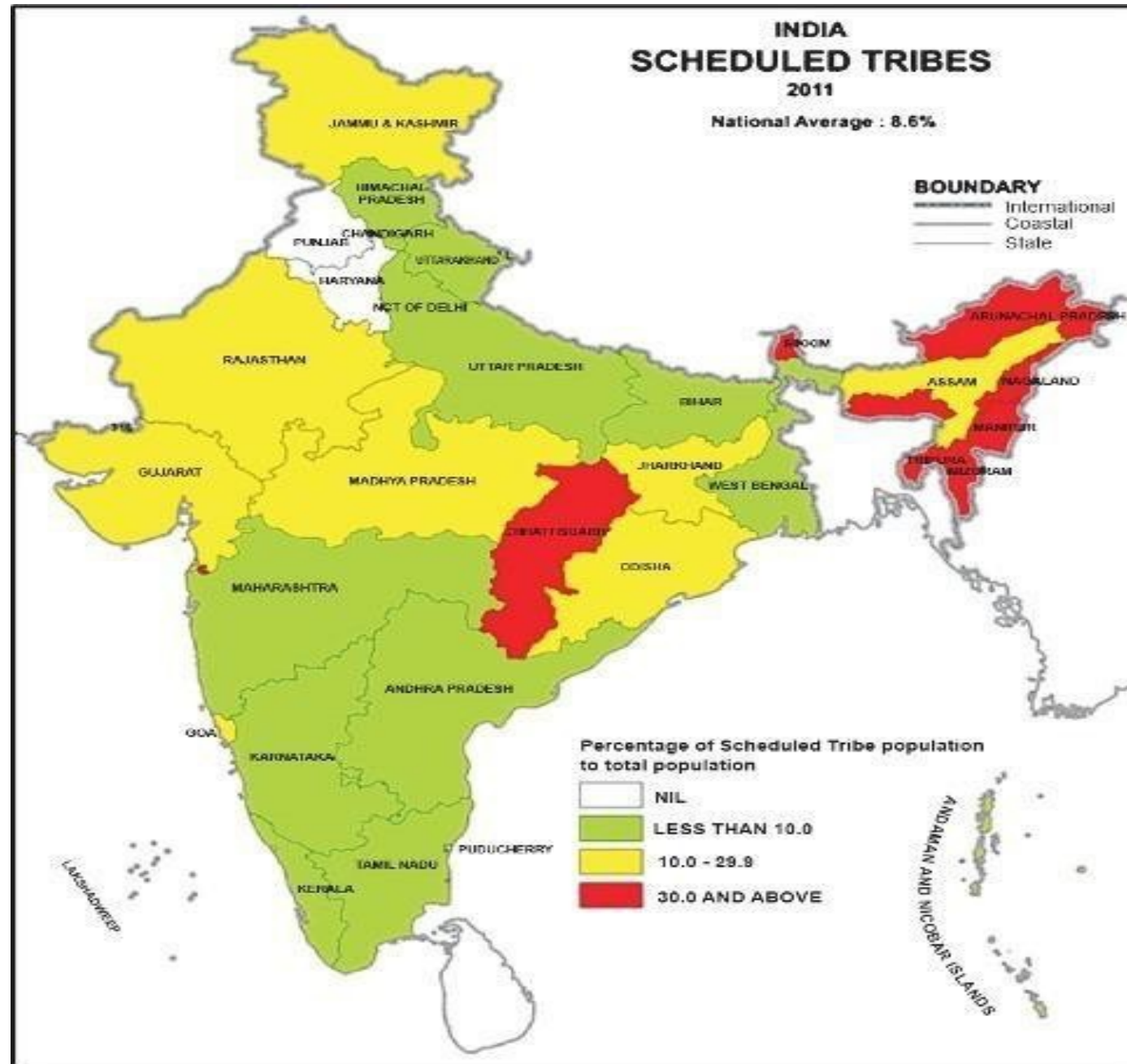


PILOT PROJECT SITE – 1000 HOUSES BUILT & OCCUPIED

Building houses for the homeless and sheltering not only humans but nesting the dreams and hopes of millions around us in all aspects. We have successfully heralded the premise for house construction in Wayanad and Palakkad Districts of Kerala, including prone areas of various other states of India. It's a highly promising enterprise as it strengthens self reliance and brings stability to its building of healthy habitat. Our tribal housing project is one of its kind that precisely volunteers sheltering for tribal communities so that they come out of the cramped living space and lead a fuller life.



TRIBALS IN INDIA



TRIBALS IN INDIA – STATE WISE STATISTICS

S. No	Name of the State/UT ⁷	Total Population	ST ⁶ Population	% of STs in the State to total State population	% of STs in the State to total ST population In India
00	India	121056957 3	10428103 4	8.61	--
1	Andaman & Nicobar Islands	380581	28530	7.49	0.02
2	Andhra Pradesh	84580777	5918073	6.99	5.67
3	Arunachal Pradesh	1383727	951821	68.78	0.91
4	Assam	31205576	3884371	12.44	3.72
5	Bihar	104099452	1336573	1.28	1.28
6	Chandigarh	1055450	0	--	--
7	Chhattisgarh	25545198	7822902	30.62	7.50
8	D & N Haveli	343709	178564	51.95	0.17
9	Daman & Diu	243247	15363	6.31	0.01
10	Goa	1458545	149275	10.23	0.14
11	Gujarat	60439692	8917174	14.75	8.55
12	Haryana	25351462	0	--	--
13	Himachal Pradesh	6864602	392126	5.71	0.37
14	Jammu & Kashmir	12541302	1493299	11.90	1.43
15	Jharkhand	32988134	8645042	26.20	8.29
16	Karnataka	61095297	4248987	6.95	4.07
17	Kerala	33406061	484839	1.45	0.46

18	Lakshadweep	64473	61120	94.79	0.05
19	Madhya Pradesh	72626809	15316784	21.08	14.68
20	Maharashtra	112374333	10510213	9.35	10.07
21	Manipur	2570390	902740	35.12	0.86
22	Meghalaya	2966889	2555861	86.14	2.45
23	Mizoram	1097206	1036115	94.43	0.99
24	Nagaland	1978502	1710973	86.47	1.64
25	NCT of Delhi	16787941	0	--	--
26	Odisha	41974218	9590756	22.84	9.19
27	Puducherry	1247953	0	--	--
28	Punjab	27743338	0	--	--
29	Rajasthan	68548437	9238534	13.47	8.85
30	Sikkim	610577	206360	33.79	0.19
31	Tamil Nadu	72147030	794697	1.10	0.76
32	Tripura	3673917	1166813	31.75	1.11
33	Uttar Pradesh	199812341	1134273	0.56	1.08
34	Uttarakhand	10086292	291903	2.89	0.27
35	West Bengal	91276115	5296953	5.80	5.07

⁶ ST: Scheduled Tribe

⁷ UT: Union Territory

STATE WISE TRIBES OF INDIA

Sl. No.	STATE	TRIBES
1	Andhra Pradesh	Andh, Sadhu Andh, Bhagata, Bhil, Chenchus (Chenchawar), Gadabas, Gond, Goundu, Jatapus, Kammara, Kattunayakan, Kolawar, Kolam, Konda, Manna Dhora, Pardhan, Rona, Savaras, Dabba Yerukula, Nakkala, Dhulia, Thoti, Sugalis.
2	Arunachal Pradesh	Apatanis, Abor, Dafla, Galong, Momba, Sherdukpen, Singpho.
3	Assam	Chakma, Chutiya, Dimasa, Hajong, Garos, Khasis, Gangte.
4	Bihar	Asur, Baiga, Birhor, Birjia, Chero, Gond, Parhaiya, Santhals, Savar.
5	Chhattisgarh	Agariya, Bhaina, Bhattra, Biar, Khond, Mawasi, Nagasia
6	Goa	Dhodia, Dubia, Naikda, Siddi, Varli
7	Gujarat	Barda, Bamcha, Bhil, Charan, Dhodia, Gamta, Paradhi, Patelia
8	Himachal Pradesh	Gaddis, Gujjars, Khas, Lamba, Lahaulas, Pangwala, Swangla
9	Jammu and Kashmir	Bakarwal, Balti, Beda, Gaddi, Garra, Mon, Purigpa, Sippi
10	Jharkhand	Birhors, Bhumij, Gonds, Kharia, Mundas, Santhals, Savar
11	Karnataka	Adiyan, Barda, Gond, Bhil, Iruliga, Koraga, Patelia, Yerava
12	Kerala	Adiyan, Arandan, Eravallan, Kurumbas, Malai arayan, Uralis, Paniya, Kurichya
13	Madhya Pradesh	Baigas, Bhils, Bharia, Birhors, Gonds, Katkari, kharia, Khond, Kol, Murias

14	Maharashtra	Bhaina, Bhunjia, Dhodia, Katkari, Khond, Rathawa, Warlis
15	Manipur	Aimol, Angami, Chiru, Kuki, Maram, Monsang, Paite, Purum, Thadou
16	Meghalaya	Chakma, Garos, Hajong, Jaintias Khasis, Lakher, Pawai, Raba
17	Mizoram	Chakma, Dimasa, Khasi, Kuki, Lakher, Pawai, Raba, Synteng
18	Nagaland	Angami, Garo, Kachari, Kuki, Mikir, Nagas, Sema
19	Odisha	Gadaba, Ghara, Kharia, Khond, Matya, Oraons, Rajuar, Santhal
20	Rajasthan	Bhils, Damaria, Dhanka, Meenas(Minas), Patelia, Sahariya
21	Sikkim	Bhutia, Khas, Lepchas
22	Tamil Nadu	Adiyan, Aranadan, Eravallan, Irular, Kadar, Kanikar, Kotas, Todas
23	Telangana	Chenchus
24	Tripura	Bhil, Bhutia, Chaimal, Chakma, Halam, Khasia, Lushai, Mizel, Namte
25	Uttarakhand	Bhotias, Buksa, Jannsari, Khas, Raji, Tharu
26	Uttar Pradesh	Bhotia, Buksa, Jaunsari, Kol, Raji, Tharu
27	West Bengal	Asur, Khond, Hajong, Ho, Parhaiya, Rabha, Santhals, Savar
28	Andaman and Nicobar	Oraons, Onges, Sentinelese, Shompens
29	Little Andaman	Jarawa
30	North-East	Abhors, Chang, Galaong, Mishimi, Singpho, Wancho

STATE WISE NO OF HOUSES AS PER COMPLETED SURVEY

RAJASTHAN DISTRICT PROPOSED NO. OF HOUSES		
Sl.No.	Districts	Proposed No. Of Houses
1	Ajmer	3200
2	Alwar	14500
3	Banswara	68500
4	Baran	13750
5	Barmer	8750
6	Bharatpur	2700
7	Bhilwara	11500
8	Bikaner	400
9	Bundi	11500
10	Chittorgarh	10000
11	Churu	550
12	Dausa	21500
13	Dholpur	3000
14	Dungarpur	49000
15	Hanumangarh	750
16	Jaipur	26500
17	Jaisalmer	2000
18	Jalor	9000
19	Jhalawar	9100
20	Jhunjhunu	2050
21	Jodhpur	6000
22	Karauli	16250
23	Kota	9150
24	Nagaur	500
25	Pali	7200
26	Pratapgarh	27500
27	Rajsamand	8000
28	Sawai Madhopur	14250
29	Sikar	3750
30	Sirohi	14650
31	Sri Ganganagar	650
32	Tonk	8900
33	Udaipur	76000
Total		461050

ASSAM DISTRICT - PROPOSED HOUSES		
Sl.No.	Districts	Proposed Houses
1	Baksa	16550
2	Barpeta	1300
3	Biswanath	4650
4	Bongaigaon	950
5	Cachar	1150
6	Charaideo	500
7	Chirang	9000
8	Darrang	400
9	Dhemaji	16000
10	Dhubri	300
11	Dibrugarh	5,100
12	Dima Hasao (North Cachar Hills)	7500
13	Goalpara	11500
14	Golaghat	5500
15	Hailakandi	50
16	Hojai	1400
17	Jorhat	3100
18	Kamrup	9100
19	Kamrup Metropolitan	3750
20	Karbi Anglong	17000
21	Karimganj	100
22	Kokrajhar	14000
23	Lakhimpur	12500
24	Majuli	3,900
25	Morigaon	6850
26	Nagaon	4300
27	Nalbari	1150
28	Sivasagar	1850
29	Sonitpur	6950
30	South Salamara-Mankachar	200
31	Tinsukia	4100
32	Udalguri	13350
33	West Karbi Anglong	9500
Total		193550

STATE WISE NO OF HOUSES AS PER COMPLETED SURVEY

NAGALAND DISTRICT WISE -PROPOSED NO. OF HOUSES		
Sl.No.	Districts	Proposed No. Of Houses
1	Dimapur	11250
2	Kiphire	3500
3	Kohima	11250
4	Longleng	2450
5	Mokokchung	9000
6	Mon	12,000
7	Peren	4250
8	Phek	7850
9	Tuensang	9500
10	Wokha	7850
11	Zunheboto	6,850
Total		85750

MADHYA PRADESH DISTRICT WISE-PROPOSED NO. OF HOUSES		
Sl.No.	Districts	Proposed No. Of Houses
1	Agar Malwa	700
2	Alirajpur	32450
3	Anuppur	18000
4	Ashoknagar	4000
5	Balaghat	19000
6	Barwani	40,000
7	Betul	33350
8	Bhind	300
9	Bhopal	3450
10	Barhanpur	11500
11	Chhatarpur	3650
12	Chhindwara	38500
13	Damoh	8300
14	Datta	750
15	Dewas	13650
16	Dhar	61000
17	Dindori	22750
18	Khandwa (East Nimar)	23000
19	Gana	9500
20	Gwalior	3600
21	Harda	8000
22	Hoshangabad	9850
23	Indore	10850
24	Jabalpur	18750
25	Jhabua	44500
26	Katni	15850
27	Mandla	30500
28	Mandsaur	1650
29	Morena	850
30	Narsinghpur	7250
31	Neemuch	3500
32	Patna	8500
33	Raisen	10250
34	Rajgarh	2650
35	Ratlam	20500
36	Rewa	15500
37	Sagar	11000
38	Satna	16000
39	Sehore	7250
40	Seoni	26000
41	Shahdol	23750
42	Shajapur	1200
43	Sheopur	8000
44	Shivpuri	11250
45	Sidhi	15650
46	Singrauli	19200
47	Tikamgarh	3400
48	Ujjain	2450
49	Umaria	15000
50	Vidisha	3350
51	Khargone (West Nimar)	36500
Total		764,400

STATE WISE NO OF HOUSES AS PER COMPLETED SURVEY

CHATTISGARH DISTRICT PROPOSED NO. OF HOUSES		
Sl.No.	Districts	Proposed No. of Houses
1	Balod	12800
2	Baloda Bazar	8350
3	Balrampur	22950
4	Bastar	26000
5	Bemetara	1850
6	Bijapur	10000
7	Bilaspur	21250
8	Dakshin Bastar Dantewada	10000
9	Dhamtari	10500
10	Durg	5000
11	Gariaband	10750
12	Janjgir-Champa	9500
13	Jashpur	26500
14	Kabirdham	8350
15	Uttar Bastar Kanker	20750
16	Kondagaon	20550
17	Korba	24500
18	Koriya	15000
19	Mahasamund	14000
20	Mungeli	3650
21	Narayanpur	5500
22	Raigarh	25250
23	Raipur	4500
24	Rajnandgaon	20250
25	Sukma	10400
26	Surajpur	18000
27	Surguja	24000
	Total	390150

MAHARASHTRA DISTRICT - PROPOSED NO. OF HOUSES		
Sl.No.	Districts	Proposed No. of Houses
1	Ahmednagar	19000
2	Akola	5000
3	Amravati	20000
4	Aurangabad	7000
5	Bid (Beed)	1500
6	Bhandara	4500
7	Buldana	6250
8	Chandrapur	19500
9	Dhule	32500
10	Gadchiroli	20500
11	Gondia	10500
12	Hingoli	5500
13	Jalgaon	30000
14	Jalna	2000
15	Kolhapur	1500
16	Latur	2750
17	Mumbai	1250
18	Mumbai Suburban	5000
19	Nagpur	22000
20	Nanded	14000
21	Nandurbar	57000
22	Nashik	78000
23	Osmanabad	1750
24	Palghar	56000
25	Parbhani	2000
26	Pune	17500
27	Raigad	15250
28	Ratnagiri	1000
29	Sangli	1000
30	Satara	1500
31	Sindhudurg	350
32	Solapur	3850
33	Thane	21250
34	Wardha	7500
35	Washim	4000
36	Yavatmal	25000
	Total	523200

STATE WISE NO OF HOUSES AS PER COMPLETED SURVEY

WEST BENGAL DISTRICT - PROPOSED NO. OF HOUSES		
Sl.No.	Districts	Proposed No. Of Houses
1	Alipurduar	19000
2	Bankura	18250
3	Birbhum	12000
4	Cooch Behar	900
5	Dakshin Dinajpur	13750
6	Darjeeling	16,000
7	Hooghly	11500
8	Howrah	750
9	Jalpaiguri	17500
10	Jhargram	16700
11	Kalimpong	3750
12	Kolkata	550
13	Malda	15700
14	Murshidabad	4500
15	Nadia	7000
16	North 24 Parganas	10000
17	Paschim Bardhaman	8000
18	Paschim Medinipur	27250
19	Purba Bardhaman	16250
20	Purba Medinipur	1400
21	Purulia	27000
22	South 24 Parganas	4250
23	Uttar Dinajpur	8000
Total		260000

ODISHA DISTRICT - PROPOSED NO. OF HOUSES		
Sl.No.	Districts	Proposed No. of Houses
1	Angul(Anugul)	8950
2	Boudh (Baudh)	2750
3	Balangir	17250
4	Bargarh	14000
5	Balasore (Baleshwar)	13750
6	Bhadrak	1,500
7	Cuttack	4650
8	Debagarh	5500
9	Dhenkanal	8100
10	Ganjam	5950
11	Gajapati	15650
12	Jharsuguda	8850
13	Jajapur	7550
14	Jagatsinghapur	400
15	Khordha	5750
16	Keonjhar (Kendujhar)	40950
17	Kalahandi	22450
18	Kandhamal	19650
19	Koraput	34850
20	Kendrapara	500
21	Malkangiri	17750
22	Mayurbhanj	73800
23	Nabarangpur	34000
24	Nuapada	10250
25	Nayagarh	2950
26	Puri	300
27	Rayagada	27000
28	Sambalpur	17750
29	Subarnapur (Sonepur)	2850
30	Sundargarh	53000
Total		478650

STATE WISE NO OF HOUSES AS PER COMPLETED SURVEY

BIHAR DISTRICT - PROPOSED NO. OF HOUSES		
Sl.No.	Districts	Proposed No. Of Houses
1	Araria	1950
2	Arwal	25
3	Aurangabad	50
4	Banka	4500
5	Begusarai	75
6	Bhagalpur	3350
7	Bhojpur	700
8	Buxar	1350
9	Darbhanga	150
10	East Champaran (Purba Champaran)	650
11	Gaya	150
12	Gopalganj	3000
13	Jamui	3950
14	Jehanabad	50
15	Khagaria	25
16	Kishanganj	3200
17	Kaimur	2900
18	Katihar	9000
19	Lakhisarai	400
20	Madhubani	200
21	Munger	1050
22	Madhepura	600
23	Muzaffarpur	300
24	Nalanda	75
25	Nawada	100
26	Patna	450
27	Purnia	7000
28	Rohtas	1600
29	Saharsa	300
30	Samastipur	100
31	Sheohar	
32	Sheikhpura	25
33	Saran	1850
34	Sitamarhi	150
35	Supaul	500
36	Siwan	4350
37	Vaishali	100
38	West Champaran	12500
Total		66,725

SIKKIM DISTRICT - PROPOSED NO. OF HOUSES		
Sl.No.	Districts	Proposed No. Of Houses
1	East Sikkim	4000
2	North Sikkim	1500
3	South Sikkim	2000
4	West Sikkim	2900
Total		10,400

STATE WISE NO OF HOUSES AS PER COMPLETED SURVEY

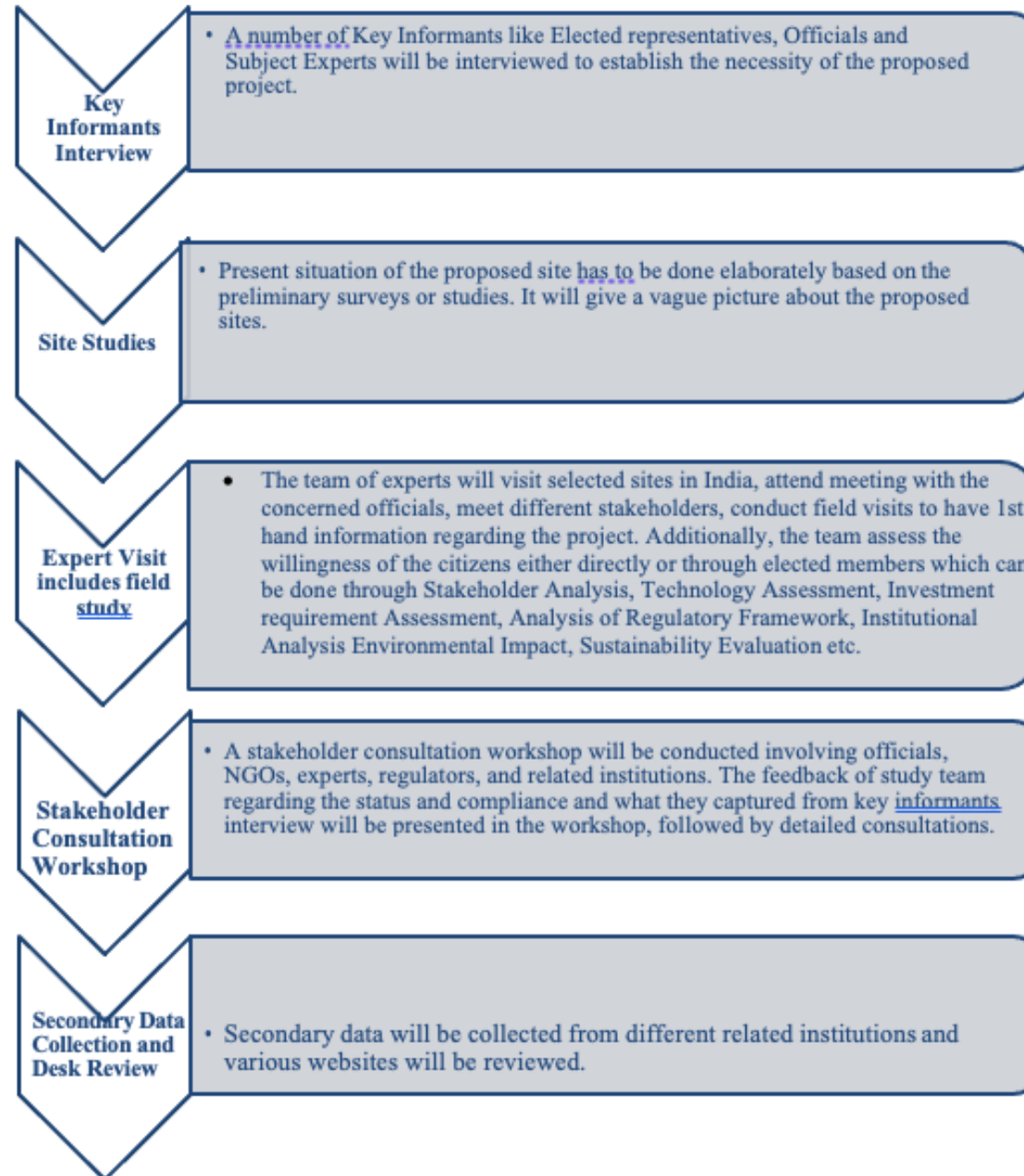
JHARKHAND DISTRICT - PROPOSED NO. OF HOUSES		
Sl.No.	Districts	Proposed No. Of Houses
1	Bokaro	12750
2	Chatra	2250
3	Deoghar	9000
4	Dhanbad	11500
5	Dumka	28500
6	East Singhbhum	32,500
7	Garhwa	10250
8	Giridih	11750
9	Godda	13750
10	Gumla	35250
11	Hazaribag	6,000
12	Jamtara	12000
13	Khunti	19500
14	Koderma	350
15	Latehar	16500
16	Lohardaga	13000
17	Pakur	18750
18	Palamu	9000
19	Ramgarh	10000
20	Ranchi	52,100
21	Sahibganj	15250
22	Seraikela-Kharsawan	18750
23	Simdega	21250
24	West Singhbhum	50,500
Total		430450

JAMMU & KASHMIR DISTRICT - PROPOSED HOUSES		
Sl.No.	Districts	Proposed No. Of Houses
1	Anantnag	5800
2	Bandipora	3750
3	Baramulla	1900
4	Budgam	1200
5	Ganderbal	3000
6	Kulgam	1,350
7	Kupwara	3500
8	Pulwama	1150
9	Shopian	1100
10	Srinagar	500
11	Doda	1950
12	Jammu	3450
13	Kathua	2650
14	Kishtwar	1900
15	Poonch	8800
16	Rajouri	11650
17	Ramban	2000
18	Reasi	4400
19	Samba	1000
20	Udhampur	2850
21	Kargil	6000
22	Leh - Ladakh	4750
Total		74650

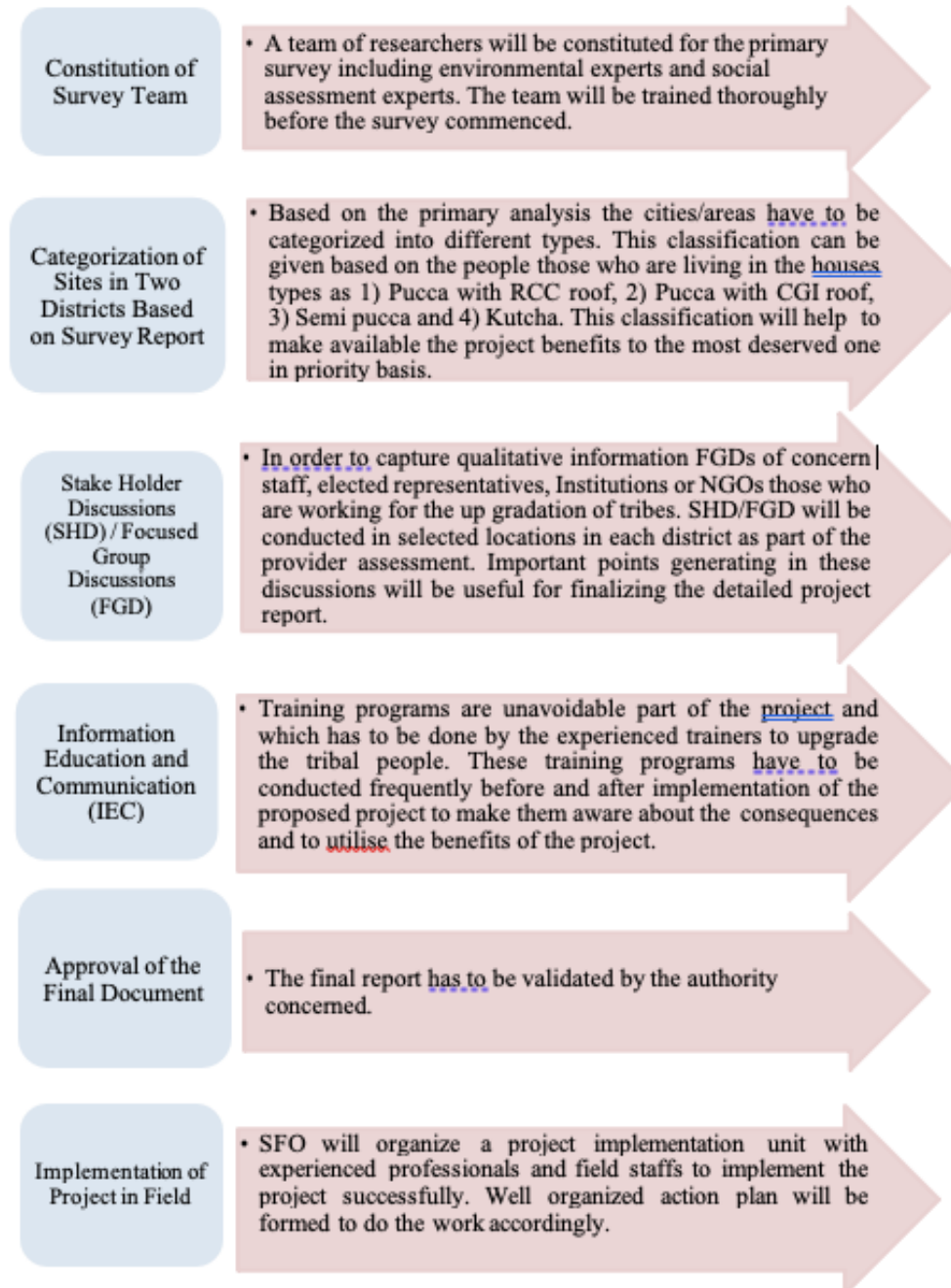
METHODOLOGY

Methodology	Explanation
Categorization of sites in Tribal areas in India	Sites has to categorize as primary and secondary to fill up the needs according to the preliminary field survey.
Provider Assessment	Role, responsibility, accountability mapping, governance parameters.
Detailed Survey (Socio-Economic and Environmental concern)	Detailed survey in all aspects is most required to analyse the existing situation.
Stakeholder Analysis	Inventorisation of stakeholders, map stakeholders, perceptions, identification of key concerns, incentives and disincentives.
Stakeholder workshops	Conduct stakeholder workshops to validate the draft/final reports.
IEC ⁵	Training programmes to be conducted for the up gradation of tribes before and after finalising the proposed projects. Also requires research studies in the site to avoid impacts during project implementation or further developmental activities. Also these kind studies can provide suitable mitigations measures to tackle the issues while implementing the project.
Initiative for implementing the project in the selected locations	Development of individual houses in the specified locations.

PRELIMINARY STAGE



SECONDARY STAGE



CONSTRUCTION CHART

Activities	day 1	day 2	day 3	day 4	day 5	day 6	day 7	day 8	day 9	day 10	day 11	day 12
Site preparation												
Foundation construction												
Framing												
Installation of windows and walls												
Roofing												
Plumbing												
Flooring												
Interior												

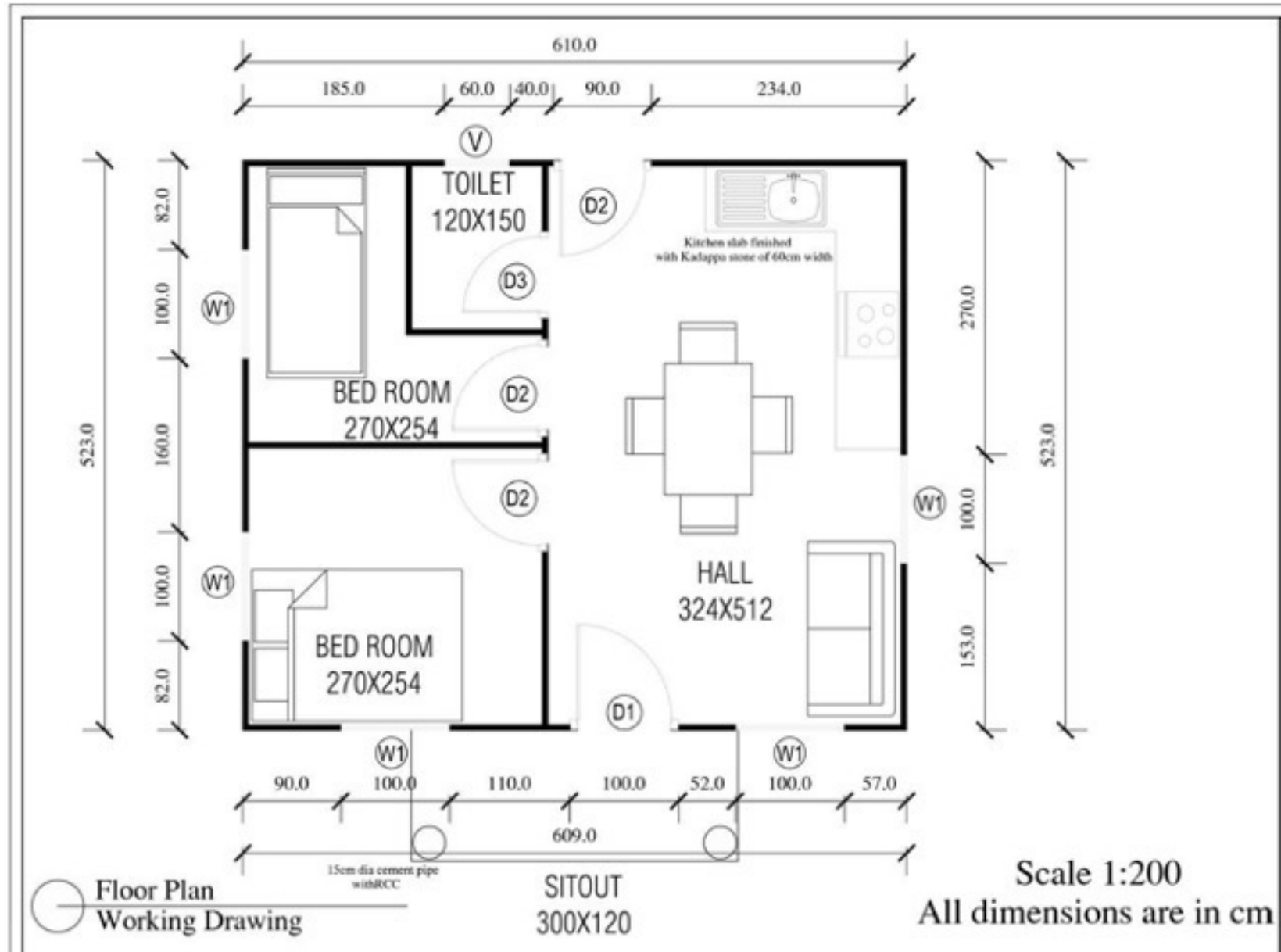
HOUSE SPECIFICATION

NOTE

- 1) PCC Ratio 1:5:10
Before PCC the bottom should be compact
PCC should be of 5cm thickness.
- 2) Block work
The block should be wetted before beginning block work
At every block joint mortar should be filled mortar ratio 1:6
- 3) Back filling
Soil back fill should be done in a manner of layer by layer of 20 cm
Each layer should be made compact
- 4) Flooring concrete ratio 1:2:4
Surface should be compact
Floor tiles - 300 x 300 mm ceramic
- 5) Walls - 15mm fire cement board (V board)
W1 x 4ft and channel C section 2 PC
- 6) Roof - powder coated GI roofing sheet 0.45 GI including frame work
colour - white (Refer drawing for details)
- 7) Painting - All metal item should be coated with epoxy primer.
Wall should be coated with water proof exterior primer.
2 layer of painting of mushroom colour .
- 8) Doors and windows - RT drawing (colour white)
- 9) Ceiling - 2 ft x 2 ft gypsum panel / Pvc sheet

SCHEDULE OF DOORS AND WINDOWS				
D1	DOOR	SIZE	100 x 200 cm	1 No.
D2	DOOR	SIZE	90 x 200 cm	3 No.
D3	DOOR	SIZE	80 x 200 cm	1 No.
W1	WINDOW	SIZE	100 x 120 cm	5 No.
V	VENTILATOR	SIZE	60 x 45 cm	1 No.

PLINTH AREA = 34.32 M.sq / 369 sq.ft



HOUSE SPECIFICATION


NOTE

- 1) PCC Ratio 1:5:10
Before PCC the bottom should be compact
PCC should be of 5cm thickness.
- 2) Block work
The block should be wetted before beginning block work
At every block joint mortar should be filled mortar ratio 1:6
- 3) Back filling
Soil back fill should be done in a manner of layer by layer of 20 cm
Each layer should be made compact
- 4) Flooring concrete ratio 1:2:4
Surface should be compact
Floor tiles - 300 x 300 mm ceramic
- 5) Walls - 12mm fiber cement board (V board)
8ft x 4ft and channel C section 2 PC
- 6) Roof - powder coated GI roofing sheet 0.45 GI including frame work
colour - white (Refer drawing for details)
- 7) Painting - All metal item should be coated with epoxy primer.
Wall should be coated with water proof exterior primer.
2 layer of painting of mushroom colour .
- 8) Doors and windows - RT drawing (colour white)
- 9) Ceiling - 2 ft x 2 ft gypsum panel / Pvc sheet

SCHEDULE OF DOORS AND WINDOWS				
D1	DOOR	SIZE	100 x 200 cm	1 No.
D2	DOOR	SIZE	90 x 200 cm	3 No.
D3	DOOR	SIZE	80 x 200 cm	1 No.
W2	WINDOW	SIZE	100 x 120 cm	5 No.
V	VENTILATOR	SIZE	60 x 45 cm	1 No.

PLINTH AREA = 34.32 M.sq / 369 sq.ft



 Floor Plan
Rendered Drawing

HOUSE SPECIFICATION

NOTE

- 1) PCC Ratio 1:5:10
 Before PCC the bottom should be compact
 PCC should be of 50mm thickness.
- 2) Block work
 The block should be wetted before beginning block work
 At every block joint mortar should be filled mortar ratio 1:6
- 3) Back filling
 Soil back fill should be done in a manner of layer by layer of 20 cm.
 Each layer should be made compact
- 4) Flooring concrete ratio 1:2:4
 Surface should be compact.
 Floor tiles - 300 x 300 mm ceramic
- 5) Walls - 12mm fiber cement board (V board)
 WT x 4ft and channel C section 3 PC
- 6) Roof - powder coated GI roofing sheet 0.45 G0 including frame work
 colour - white (Refer drawing for details)
- 7) Painting - All metal item should be coated with epoxy primer.
 Wall should be coated with water proof exterior primer.
 2 layer of painting of mushroom colour .
- 8) Doors and windows - R/drawing (colour white)
- 9) Ceiling - 2 ft x 2 ft gypsum panel / Pvc sheet

SCHEDULE OF DOORS AND WINDOWS

ID	DOOR	SIZE	100 x 200 cm	1 No.
D1	DOOR	SIZE	90 x 200 cm	3 No.
D2	DOOR	SIZE	80 x 200 cm	1 No.
W1	WINDOW	SIZE	100 x 120 cm	5 No.
V	VENTILATOR	SIZE	60 x 45 cm	1 No.

PLINTH AREA = 34.32 M.sq / 369 sq.ft



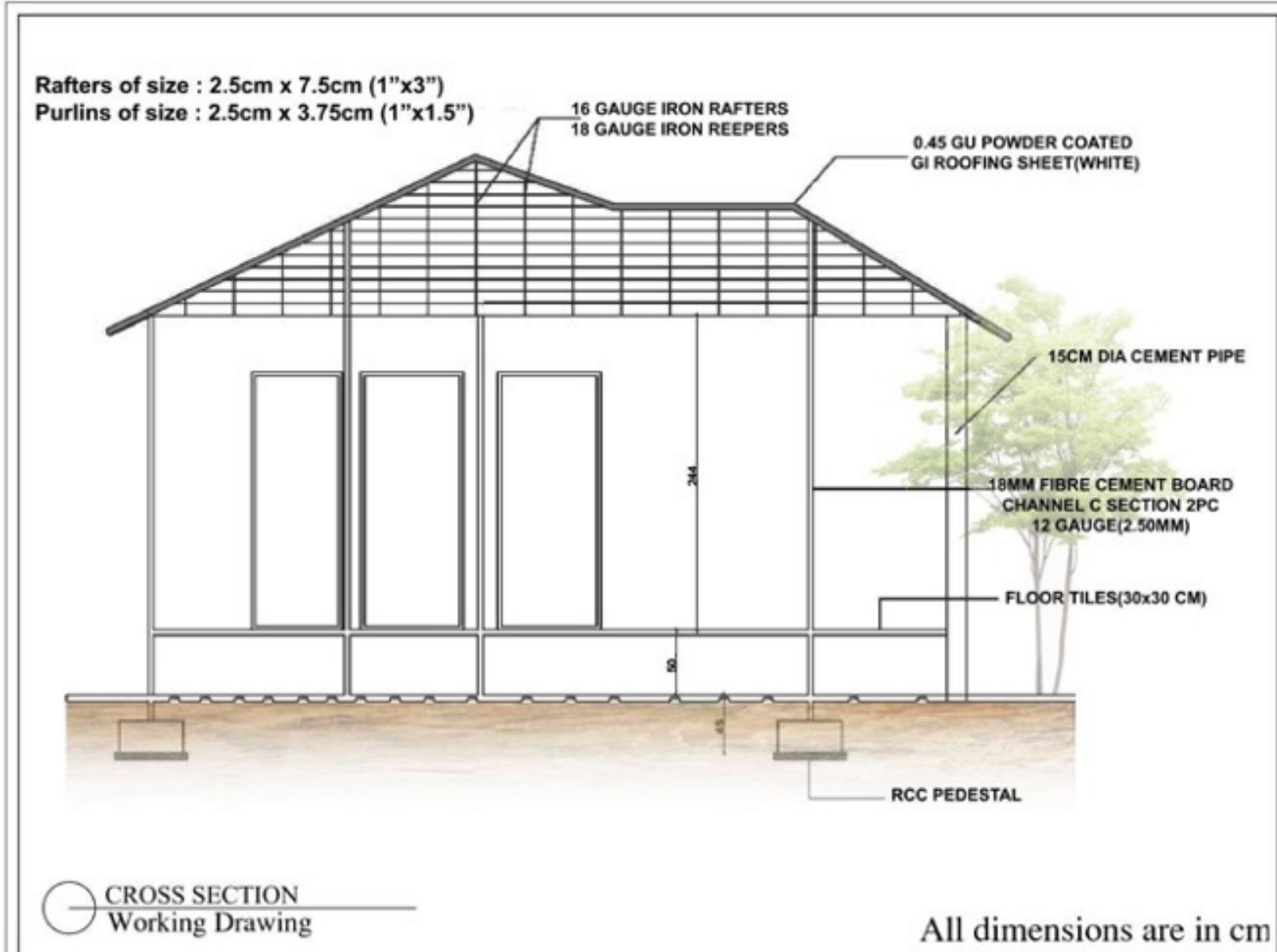
HOUSE SPECIFICATION

NOTE

- 1) PCC Ratio 1:5:10
Before PCC the bottom should be compact
PCC should be of min thickness.
- 2) Block work
The block should be wetted before beginning block work
At every block joint mortar should be filled mortar ratio 1:6
- 3) Back filling
Soil back fill should be done in a manner of layer by layer of 20 cm
Each layer should be made compact
- 4) Flooring concrete ratio 1:2:4
Surface should be compact
Floor tiles - 300 x 300 mm ceramic
- 5) Walls - 15mm fine cement board (V board)
80 x 40 and channel C section 2 PC
- 6) Roof - powder coated GI roofing sheet 0.45 GU including frame work
colour - white (Refer drawing for details)
- 7) Painting - All metal item should be coated with epoxy primer.
Wall should be coated with water proof exterior primer.
2 layer of painting of mushroom colour .
- 8) Doors and windows - Refer drawing (colour white)
- 9) Ceiling - 2 ft x 2 ft gypsum panel / Pvc sheet

SCHEDULE OF DOORS AND WINDOWS				
D1	DOOR	SIZE	100 x 200 cm	1 No.
D2	DOOR	SIZE	90 x 200 cm	3 No.
D3	DOOR	SIZE	80 x 200 cm	1 No.
W1	WINDOW	SIZE	100 x 120 cm	5 No.
V	VENTILATOR	SIZE	90 x 45 cm	1 No.

PLINTH AREA = 34.32 M.sq / 369 sq.ft



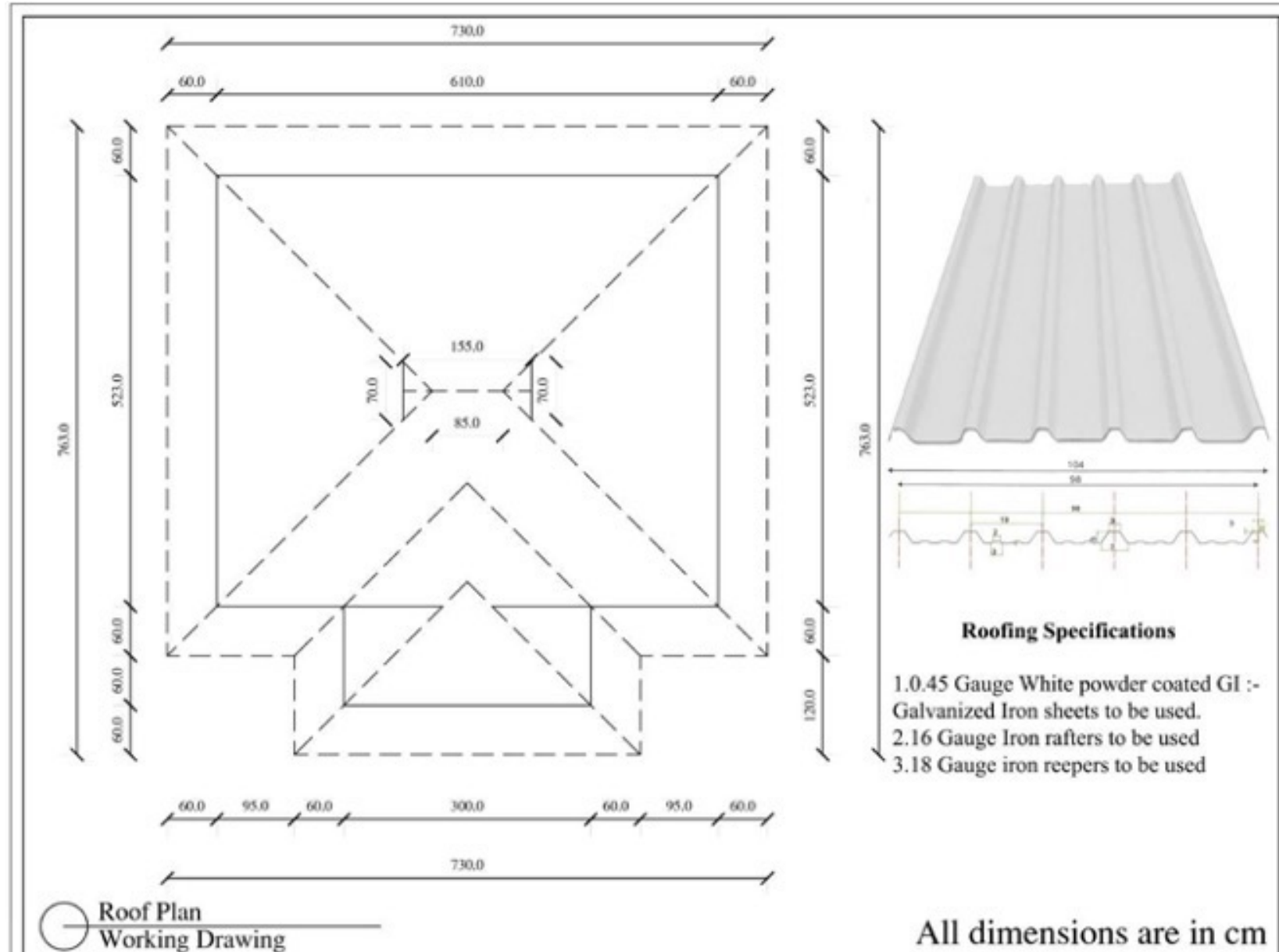
HOUSE SPECIFICATION

NOTE

- 1) PCC Ratio 1:5:10
Before PCC the bottom should be compact
PCC should be of 5cm thickness.
- 2) Block work
The block should be wetted before beginning block work
At every block joint mortar should be filled mortar ratio 1:6
- 3) Back filling
Soil back fill should be done in a manner of layer by layer of 20 cm
Each layer should be made compact
- 4) Flooring concrete ratio 1:2:4
Surface should be compact
Floor tiles - 300 x 300 mm ceramic
- 5) Walls - 15mm Fibre cement based (V board)
80 x 40 and channel C section 2 PC
- 6) Roof - powder coated GI roofing sheet 0.45 GI including frame work
colour - white (Refer drawing for details)
- 7) Painting - All metal item should be coated with epoxy primer.
Wall should be coated with water proof exterior primer.
2 layer of painting of mushroom colour .
- 8) Doors and windows - fit drawing (colour white)
- 9) Ceiling - 2 ft x 2 ft gypsum panel / Pvc sheet

SCHEDULE OF DOORS AND WINDOWS				
D1	DOOR	SIZE	100 x 200 cm	1 No.
D2	DOOR	SIZE	90 x 200 cm	3 No.
D3	DOOR	SIZE	80 x 200 cm	1 No.
W2	WINDOW	SIZE	100 x 120 cm	5 No.
V	VENTILATOR	SIZE	80 x 45 cm	1 No.

PLINTH AREA = 34.32 M.sq / 369 sq.ft



HOUSE SPECIFICATION

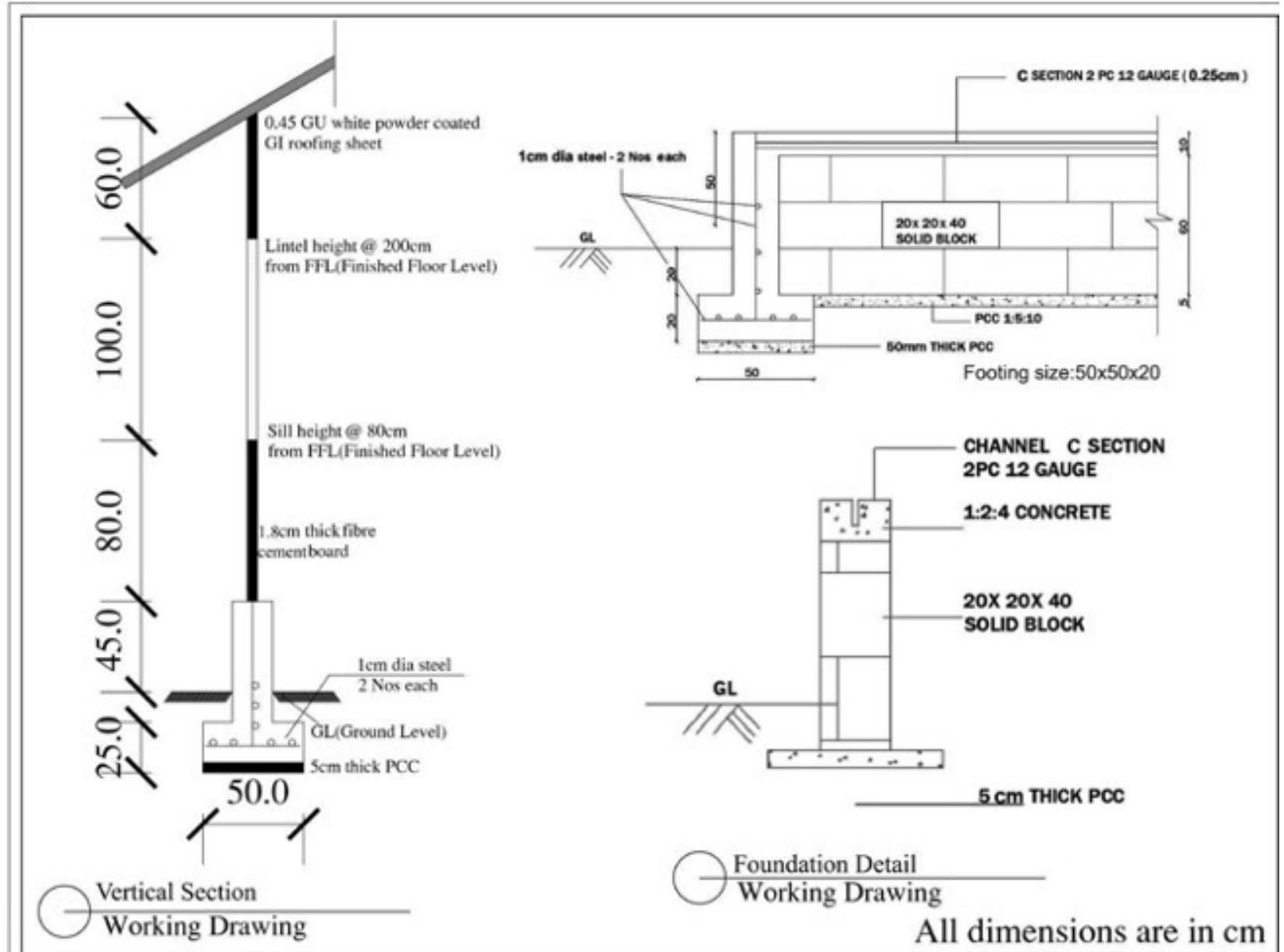
NOTE

- 1) PCC Ratio 1:5:10
Before PCC the surface should be compact
PCC should be of 5cm thickness.
- 2) Block work
The block should be wetted before begining block work
At every block joint mortar should be filled mortar ratio 1:6
- 3) Back filling
Soil back fill should be done in a manner of layer by layer of 20 cm
Each layer should be made compact
- 4) Flooring concrete ratio 1:2:4
Surface should be compact
Floor tiles - 300 x 300 mm ceramic
- 5) Walls - 12mm fibre cement board (V board)
8ft x 4ft and channel C section 2 PC
- 6) Roof - powder coated GI roofing sheet 0.45 GU including frame work
colour - white (Refer drawing for details)
- 7) Painting - All metal item should be coated with epoxy primer.
Wall should be coated with water proof exterior primer.
2 layer of painting of mushroom colour .
- 8) Doors and windows - 8ft drawing (colour white)
- 9) Ceiling - 2 ft x 2 ft gypsum panel / Pvc sheet

SCHEDULE OF DOORS AND WINDOWS

ID	DOOR	SIZE	QTY	NO.
D1	DOOR	100 x 200 cm	1	No.
D2	DOOR	90 x 200 cm	3	No.
D3	DOOR	80 x 200 cm	1	No.
W1	WINDOW	100 x 120 cm	5	No.
V	VENTILATOR	60 x 45 cm	1	No.

PLINTH AREA = 34.32 M.sq / 369 sq.ft



HOUSE SPECIFICATION

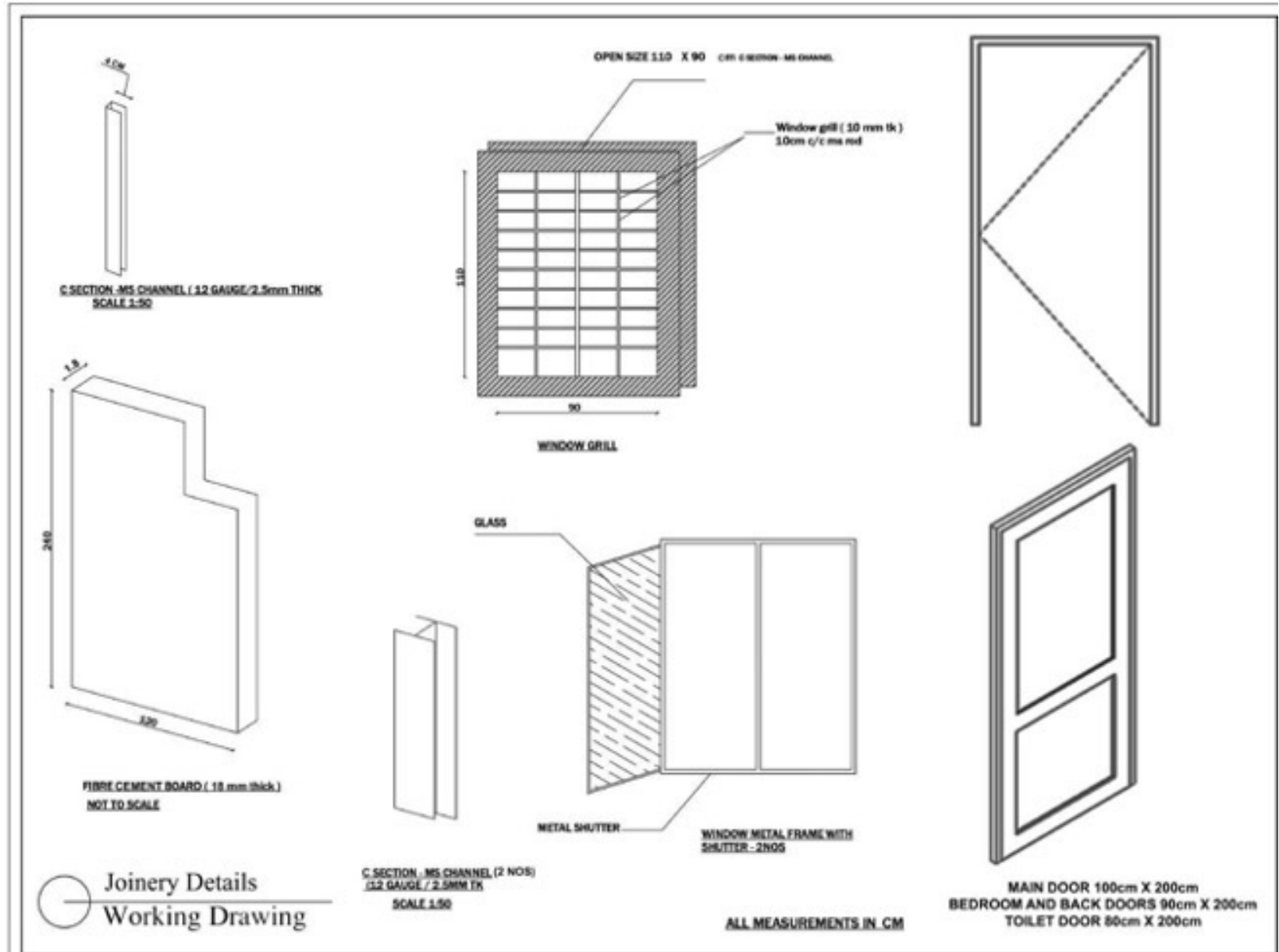
NOTE

- 1) PCC Ratio 1:5:10
 Before PCC the bottom should be compact
 PCC should be of 5cm thickness.
- 2) Block work
 The block should be wetted before beginning block work
 At every block joint mortar should be filled mortar ratio 1:6
- 3) Back filling
 Soil back fill should be done in a manner of layer by layer of 20 cm
 Each layer should be made compact
- 4) Flooring concrete ratio 1:2:4
 Surface should be compact
 Floor tiles - 300 x 300 mm ceramic
- 5) Walls - 100mm fibre cement board (V board)
 80 x 40 and channel C section 3 PC
- 6) Roof - powder coated GI roofing sheet 0.45 GG including frame work
 colour - white (Refer drawing for details)
- 7) Painting - All metal item should be coated with epoxy primer.
 Wall should be coated with water proof exterior primer.
 2 layer of painting of matt/luxure colour .
- 8) Doors and windows - Blazing (colour white)
- 9) Ceiling - 2 ft x 2 ft gypsum panel / Pvc sheet

SCHEDULE OF DOORS AND WINDOWS

ID	DOOR	SIZE	100 x 200 cm	1 No.
D1	DOOR	SIZE	90 x 200 cm	3 No.
D3	DOOR	SIZE	80 x 200 cm	1 No.
W2	WINDOW	SIZE	100 x 120 cm	5 No.
V	VENTILATOR	SIZE	90 x 45 cm.	1 No.

PLINTH AREA = 34.32 M.sq / 369 sq.ft



Joinery Details
 Working Drawing

HOUSE SPECIFICATION

LIST OF FURNITURE

SLNo	Things to Buy	Quantity
01.	Cot (Double- size 3.5ft x 6ft)	1
02.	Mattress(Double)	1
03.	Bed Sheet	2
04.	Pillow with cover	2
05.	Chairs (Plastic- with handrest)	2
06.	Stools for Dining Table	4
07.	Dining Table (4ft x 2ft steel framed)	1
08.	Kitchen Needed Things	Some
	a. Fibre Plates	6
	b. Steel Glasses	6
	c. Bucket & Mug set	2
	d. 3 Sizes of cooking pots set (Big, Medium and Small)	1
	e. Vessel for Tea	1
	f. Broom & Dust Pan	1
	g. Spoons (Big -6 Small-6)	12
	h. Kitchen Containers Big -6 Small-6	12
	Total	54

Budget for the Proposed House

- Uneven ground levelling, excavation for footings and block work, compaction with machinery, 50mm pcc below block work and footing, Rec works for footing and above solid and block work (size 400mm x 200mm x 200mm), backfilling and compaction, curing etc. (Drawing attached for ref.) **Rs 46,475.00**
- Cement fibre Board for wall 8 ft x 4 ft x 18mm.(v board)
Total no. of board 25 Nos Say 25 nos@2166/Board
(Fibre Cement Board is composed of a composite matrix containing special grade cellulose fibres, ordinary Portland cement, fine silica, quartz, and some mineral additives.) **Rs 54,150.00**
- Channel (HR Section) 2 (PC) 12GU x 20 x 40mm (575 Kg)
Say 575 kg@ 80 /kg **Rs 46,000.00**
- Supplying and fixing door frames with wooden shutters
Say 4 No's @7000/E **Rs 28,000.00**
- Supplying and fixing steel window frames with metal shutters
Say 5Nos@6500/E **Rs 32,500.00**
- Roofing with GI Roofing sheet 0.45GU including frame work
Say 63m2@1500/m2 **Rs 94,500.00**
- Flooring with 1 : 5 : 10 PCC Say 28m2@1100/m2 **RS30,800.00**
- Floor tiles (size ceramic 12 inch x 12) Say 370 @80/ sq ft **Rs 29,600.00**
- White washing , Painting etc.(wall colour mash room) LS **Rs 25,000.00**
- Toilet, Indian Closet, ST Tank, Waste water tank, door
(Tank size 5 feet x 4 feet dia)(2 feet x 2 feet dia) **Rs 20,000.00**
- Labour Charge **Rs 50,755.00**
- Planting trees **Rs 799.00**
- Ceiling 370 sq ft. (8mm gypsum board/ upvc sheet) **Rs 20,000.00**
- Furniture (details attached) **Rs 14,000.00**

GRAND TOTAL

Rs.4,92,579.00/-

HOUSE SPECIFICATION

Detailed Specification for the Tribal villa construction works to be executed

The structure will be of framed structure with a basement height of 2' from the Existing ground level with a Roof height of 8'.

1. Setting Out:

- ❖ Marking the layout should be started before two days prior to execution.
- ❖ Before starting the work contractor should be discuss with beneficiary for the facing of the house.
- ❖ Activity should be inspected by the client representative.

2. Foundation:

- ❖ Earthwork excavation for foundation to a depth of 45cm/25cm
- ❖ P.C.C 1:2:4 in foundation of thickness 5cm
- ❖ After excavation, the trench should be compacted by using compactor.
- ❖ The compaction strength should be maintain above 95%
- ❖ If back filling is required, the trench should be compacted 20cm layer by layer.
- ❖ Activity should be inspected by the client representative.
- ❖ Anti-terminator treatment is needed for (370 sqft).
- ❖ Next activity should be started with in 12hrs of anti-terminated treatment.

3. Basement :

- ❖ 5cm P.C.C below block work.
- ❖ Solid brick work should be 3 layers.
- ❖ Block size is 40cm x 20cm x 20cm.
- ❖ Before using the block, it should be wetted.
- ❖ While placing the block gap of 1cm should be maintain between them.
- ❖ The gap should be filled by cement mortar.
- ❖ Ratio of the mortar is 1:6.
- ❖ Proper curing is required.
- ❖ Activity should be inspected by the client representative.

4. Footing and Column:

- ❖ All the corners of the house have a column footing.
- ❖ Footing size is 50cm x 50cm x 20cm.
- ❖ Excavation of footing should be done manually.
- ❖ To fill the concrete the shuttering should not be done.
- ❖ During concreting vibrator should be used.
- ❖ 10mm steel rod should be used for footing.
- ❖ Concrete ratio is 1:2:4.
- ❖ Footing, column and sill level of concreting should be done at the time.
- ❖ Proper curing is required.
- ❖ Activity should be inspected by the client representative.

5. Back Filling:

- ❖ Back filling material should be moisture free.
- ❖ Back filling should be 20cm layer by layer.
- ❖ Each layer should compact by using compactor.
- ❖ The compaction strength should be maintain above 95%
- ❖ More than 15cm boulders should not be used for back filling.
- ❖ After compaction, anti-terminator process should be followed.
- ❖ Activity should be inspected by the client representative.

6. Superstructure:

- ❖ Superstructure with 18mm fibre cement board 8ft X 4ft and channel C section 2 PC.
- ❖ Before selecting the fibre cement board, the sample should be submitted for the client approval.
- ❖ BR channel thickness should be 2.5mm.
- ❖ The board fixed in the channel should be tight.
- ❖ Wall should be straight and plumb bob.
- ❖ Shaking of wall is not accepted.
- ❖ All the door opening and window openings should be fitted by C channel sections (refer the drawing).
- ❖ All channels should be applied with zinc phosphate solution, 12hrs before applying primer.
- ❖ Epoxy coated primer is required for all steel structure.
- ❖ Rust formation should be avoided.
- ❖ After welding the structure, the welded area should be grinded and again coated with epoxy primer.
- ❖ Metal paste should be applied between the gap of all the steel structures(C-channels).
- ❖ After completion of wall gaps are not acceptable.
- ❖ Activity should be inspected by the client representative.

HOUSE SPECIFICATION

7. Roof Ceiling:

- ❖ Ceiling should cover the entire sqft of the building
- ❖ There should not be any leakage in the ceiling.
- ❖ Thickness of the ceiling board should be approved by the client.
- ❖ Iron reepers should be designed for minimum 1sq.m. of roof ceiling .
- ❖ Ceiling support should be strong and levelled.
- ❖ Activity should be inspected by the client representative.

8. Roof :

- ❖ All the steel structure should be applied with epoxy primer, before lifting the material for roof work.
- ❖ After welding the structure, the welded area should be grinded and again coated with epoxy primer.
- ❖ Roofing sheet thickness is 0.45 GU of white colour
- ❖ Thoovanam should cover the entire border of roofing(refer the drawing).
- ❖ 3 Mopes should be placed(refer the drawing).
- ❖ Before selecting the roof sheet, the sample should be submitted for the client approval.
- ❖ After completing the roof work, contractor should be confirmed that the roof is leakage free.
- ❖ The roof screws should be tight and leak free.
- ❖ Iron rafters and reepers should be designed for minimum 1sqm below roofing sheet.
- ❖ Activity should be inspected by the client representative.

9. Doors:

- ❖ The entire door frame should be covered with C section.
- ❖ Door frame should be steel structure and it should be withstand the weight of the door.
- ❖ As per the size of the door, the frame should be designed.
- ❖ Both side and top of doors gap of 2.5mm is to be acceptable.
- ❖ Hinges and other fittings of doors samples should be submitted for client approval.
- ❖ Locking and opening the door should be smooth.
- ❖ Strength and quality of the door should be maintained.
- ❖ Wherever hinges will come wooden piece should be used inside the frame.
- ❖ Door and frame colour should be white.
- ❖ Activity should be inspected by the client representative.

10. Window:

- ❖ Size of the window should be followed as per drawing.
- ❖ Window frame should be steel structure and it should withstand the weight of the window door.
- ❖ All side of window doors should have of gap of 2.5mm.
- ❖ Hinges and other fittings of window doors samples should be submitted for client approval.
- ❖ Locking and opening the window door should be smooth.
- ❖ Strength and quality of the door should be maintained.
- ❖ Door and frame colour should be white.
- ❖ Window glass thickness is 4mm and also avoid plain glass.
- ❖ Activity should be inspected by the client representative.

11. Floor Finishing:

- ❖ All the internal room floors will be finished with ceramic tiles at cost of Rs.50 per sqft.
- ❖ The tile should be fixed after floor concrete of 10cm.
- ❖ Placing of tiles should be straight and also maintain minimum gap.
- ❖ The gap should be filled with white cement.
- ❖ By fixing tiles using cement mortar.
- ❖ Slight slope required for water drain in toilet.
- ❖ The wall surface must be smooth, level and clean.
- ❖ Skirting of 10cm should be cover to wall and floor joint.
- ❖ Activity should be inspected by the client representative.

12. Toilet :

- ❖ white colour Indian closet will be provide.
- ❖ Size of the ventilation is 30cm x 30cm.
- ❖ Provision of water tap should be given to rightside of the closet.
- ❖ Toilet floor level should be 10cm below the floor level.
- ❖ Activity should be inspected by the client representative.

13.Plumbing:

- ❖ A water tap should be provided for the kitchen
- ❖ Both kitchen pipe and toilet pipe should be connected with T joint connector and use end cap.
- ❖ 4"dia UPVC pipe should be used for connecting toilet and septic tank.

14.Painting :

- ❖ Windows and doors should be painted with white colour.
- ❖ V board should be painted with mushroom colour.
- ❖ Water proof Primer should be applied to wall before painting.
- ❖ Paint should be approved by the client before painting.
- ❖ Activity should be inspected by the client representative

HOUSE SPECIFICATION

15. Septic Tank:

- ❖ The diameter of the septic tank is 4ft.
- ❖ 5 concrete rings should be placed.(each ring having 1ft height)
- ❖ The septic tank should be closed by concrete slab.
- ❖ 4inch dia vent pipe should be provided 6ft height with end cap .
- ❖ Activity should be inspected by the client representative.

16. Beneficiary Agreement

The client or the owner of the house should possess a minimum of 3 cents of land with his/her ownership for construction of the house.

General:

- ❖ Earthwork excavation for foundation to a depth of 45cm/25cm.
- ❖ After excavation, the trench should be compacted by using compactor.
- ❖ The compaction strength should be maintain above 95%.
- ❖ Anti-terminator treatment is needed for (370 sqft).
- ❖ Next activity should be started with in 12hrs of anti-terminated treatment.
- ❖ Proper curing is required after the block work.
- ❖ 2 steps should be constructed on both sides(front and back) of the house
- ❖ If any electrical work needed it should be done after client approval.
- ❖ All channels should be applied with zinc phosphate solution,12hrs before applying primer.
- ❖ Epoxy coated primer is required for all steel structure. Rust formation should be avoided.
- ❖ After welding the structure, the welded area should be grinded and again coated with epoxy primer. The roof screws should be tight and leak free.
- ❖ Iron rafters and reepers should be designed for minimum 1sqm below roofing sheet
- ❖ Kitchenslab (kadapa) 60cm at height of 80cm should be provided at corner of the hall (refer drawing).
- ❖ Furniture's provided as per the list given by the client.
- ❖ Plantation should be done after client discussion.
- ❖ Before each and every activity inspection request should be given to inspection team 1 day prior.
- ❖ After completion of work, copy of all inspection request form should be submitted along with invoice.
- ❖ These should be followed for each and every individual Tribal villa.

SFO Enterprises



SEKHON FOUNDATION IMPACT OUTREACH

SFO-

www.sekhonfamilyoffice.com

Sheltering humanity...

To build Cost Free houses for the Tribal people of our Nation



ENVISIONS SAFE AND SECURE HOMES FOR THE DEPRIVED

