

Name of Work : - PROPOSED LIG AVAS ON F.P. 06 T.P. 3 (RUNDH) , SURAT FOR
GRAM GRUH NIRMAN BOARD, GANDHINAGAR UNDER 'PRADHAN
MANTRI AWAS YOJANA".

Sr No.	Item	Content
1	EXCAVATION DEPTH OF FOOTING	up to 3.5 m Depth
2	BELOW FOOTING and PLINTH SLAB	Cement Concrete 1:4:8
3	CONTROLLED CEMENT CONCRETE IN FOUNDATION, COLUMNS, BEAMS, LINTELS, SLABS ETC.	Control Cement Concrete M250
4	STEEL USED IN ALL RCC WORK	FE 500/500D TMT STEEL
5	BRICK MASONARY	
a	Full Masonary	Brick work using Fly ash building bricks in cement mortar 1:6 (1- cement : 6- sand)
b	Half Masonary	Half Brick work using Fly ash building bricks in cement mortar 1:4 (1- cement : sand)
6	PLASTER IN WALLS :	
a	INTERNAL PLASTER	15mm thick with Cement Mortar 1: 4
b	CEILING PLASTER	10mm thick with Cement Mortar 1: 4
c	OUTER SIDE PLASTER	20mm thick Sand face with Cement Mortar 1: 3 first coat (12 mm thick)and Cement mortar 1:1 in second coat(8 mm thick)
7	FLOORING: A) ALL ROOMS	
a	All Rooms	24"X24" VITRIFIED TILES
b	WASHING AREA	20MM THICK KOTA STONE
c	KITCHEN PLATFORM	SANDWICH TYPE KOTA STONE
d	STEPS AND LIFT DEDO	GRANITE STONE
e	WINDOW SEAL AND JAMBS	GRANITE STONE
f	BATH, TOILET AND KITCHEN DEDO	GLAZED TILES 300x450mm
g	BATH AND TOILET Flooring	CERAMIC TILES
h	PARKING TILES	300X300MM HEAVY DUTY
8	DOORS :	
a	MAIN DOORS	35MM LAMINATED FLUSH DOOR WITH 100X70MM INDIAN TEAK WOOD FRAME
b	INSIDE DOORS	35MM LAMINATED FLUSH DOOR WITH 18mm thick MARBLE STONE FRAME
9	WINDOWS & Ventilations :	
a	ALL ROOM WINDOWS	THREE TRACK ALLUMINIUM ANODIZED SECTION

b	VENTILATION	ALLUMINIUM SECTION WITH 5MM THICK FROSTED GLASS
10	SAFETY GRILLS FOR ALL WINDOWS	MILD STEEL
11	PAINT	
a	OUTSIDE PAINT	ACRYLIC PAINT ALONG WITH PRIMER
b	INSIDE PAINT	WITH BIRLA PUTTI PRIMING Coat
12	TERRACE TREATMENT	CHINA MOSAIC WITH WATER PROOFING TRAETMENT
13	PLINTH TREATMENT	SPRAYING CHEMICAL SOLUTION FOR TERMINTe CONTROL
14	PLUMBING	
a	WC PAN	EUROPIAN PAN WITH SEAT COVER , WASH AND FLUSH COCK
b	WASH BASIN	CERAMIC
c	Soil waste &	75mm & 110mm Dia 10KG/SQM POLYTHELE PIPES
d	Internal PIPES	15MM,25MM,40MM,50MM
e	BIB TAPS	15MM DIA
15	C.I. CHAMBER	455 X 610 X 450mm
		500 X 200 X 450mm
16	WATER TANK at Terrace	DOUBLE COATED SYNEX & RCC
17	ROAD WORK	
a	EXCAVATION	Average 30cm Thick
b	Sub Base-1	WBM 75MM THICK GRADE II
c	Sub Base-2	WBM 75MM THICK GRADE III
d	PCC	Cement concrete 1.:4.:8
e	TRIMIX	Control Cement concrete M250
f	TMT STEEL	FE 415 TMT STEEL
g	SIGNS	PROVIDED
20	PAVER BLOCK	
a	BOX CUTTING	
b	SUB BASE	GRADE 1
c	PCC	Cement concrete 1:4:8
d	PAVER BLOCK 60 MM THICK	Control Cement concrete M250
e	CURBING	Control Cement concrete M250
21	WATER SUPPLY	
a	DUCTILE IRON PIPES	80MM
b	POLYTHELENE HDPE PIPES	80MM to 15 MM
c	NON RETURN FULL WAY VALVE	80MM DIA C.I. SLUICE VALE
d		40MM DIA
22	UNDER GROUND TANK	430000 LITRE
23	STROAM WATER DRAIN	300MM NP2 PIPE
		300MM DIA NP2 PIPE
	MANHOLE	BTYPE 1.50M DEPTH 150MM DIA
		CTYPE 2.25M DEPTH 150MM DIA

		DTYPE 3.15M DEPTH 150MM DIA
24	SEWAGE TREATMENT	
	RCC NP2 PIPE	150mm, 250mm, 300mm Dia
	INSPECTION CHAMBER	455 X 610 X 450mm
	MANHOLE	
	A TYPE	0.90M DEPTH 150MM DIA,
	B TYPE	1.50M DEPTH 150MM DIA,
	C TYPE	2.25M DEPTH 150MM DIA,
25	COMPOUND WALL AND GATE	
a	BORING FOR PILE	250MM DIA
b	PCC	Cement concrete 1.:4.:8
c	CONCRETE IN COLUMNS, BEAMS, COPING, SLABS ETC	Control Cement concrete M200
d	TMT STEEL USED	FE 415 TMT
e	BRICK WORK	Brick work using common burnt clay building bricks in cement mortar 1:6 (1- cement : 6- sand)
f	PLASTER WORK INSIDE	15 MM thick cement mortar 1:3
g	PLASTER WORK OUTSIDE	20mm thick Sand face with Cement Mortar 1: 3 first coat (12 mm thick)and Cement mortar 1:1 in second coat(8 mm thick)
h	INSIDE COLOR	Distemper with Birla Putty
i	OUTSIDE PAINT	WEATHER PROOF PAINT
26	FIRE SAFETY	
A	AUTOMATIC PUMPING SYSTEM:	
a	Main Fire Pump- Electric Motor Driven:	speed 137m ³ /hr
b	Jockey Fire Pump- Electric Motor Driven:	speed 10.8m ³ /hr
c	Standby Fire Pump- Diesel Engine Driven	speed 137m ³ /hr
d	Gate /Sluice Valve	150,100,80,65mm dia
e	Check Valve	100mm,65mm dia
f	Foot Valve	150mm,80mm dia
g	Strainer.	150mm,80mm dia
h	Pressure Gauge with Siphon Tube and Cock.	size 100mm,range 0-16bar
i	Pressure Switch with Siphon Tube and Cock.	6 nos
j	Fire Pump Control Panel- Auto/Manual Type.	installation and testing
k	Standby Fire Pump Control Panel- Auto/Manual Type.	installation and testing
l	Air Vessel:	450mm dia x 200mm long
m	Aboveground Pipe Laying.	150,100,80,65mm dia
B	EXTERNAL HYDRANT LINE (YARD HYDRANT)	
a	Underground Pipe Laying	150mm dia , 280mtr
b	Aboveground Pipe Laying.	150mm dia, 850mtr
c	Fire Hydrant Landing Valve (Stainless Steel (SS-304), ISI Marked):	single head 63mm
d	Fire Hose Pipe (Delivery Hose)- 63 mm x 15 m	63mm dia x 15m long hose
e	Cabinet For Fire Hose (Hose Box)- Double Type	15m long hose

f	Fire Hose Nozzle- Short Branch Pipe Nozzle.	63mm dia x20mm
g	Fire Service In-let (In-let Connection for Fire Brigade)-4 Way Type.	coupling 63mm,150mm
h	Butterfly Valve	150mm dia
i	Check Valve	150mm dia
j	RCC Hume Pipe:	250MM DIA 160mtr
C	INTERNAL FIRE HYDRANT	
a	Aboveground Pipe Laying.	100mm,65mm,25mm dia
b	Fire Hydrant Landing Valve (Stainless Steel (SS-304), ISI Marked):	single head 63mm
c	Fire Hose Pipe (Delivery Hose)- 63 mm x 15 m	63mm dia x 15m long hose
d	Cabinet For Fire Hose (Hose Box)- Double Type	15m long hose
e	Fire Hose Nozzle- Short Branch Pipe Nozzle.	63mmx20mm
f	Fire Hose Reel Set (ISI)-19 mm x 30 m -Rubber Hose.	19mm dia x 30m long hose
g	Fire Extinguisher- ABC Powder type, 6 kg.	6 kg powder
h	Fire Extinguisher- CO2 Gas type, 4.5 kg.	4.5kg
i	Butterfly Valve	100mm dia
j	Check Valve	100mm dia
k	Air Release Valve- 25 mm	25mm dia
D	FIRE ALARM SYSTEM:	
a	Fire Alarm Control Panel for 10 Zones:	Provided
b	Manual Call Point	Provided
c	Electronic Hooter	Provided
d	Cabling for Alarm System:	2 core x 1.5sq.mm copper conductor
E	SAFETY SIGNAGES:	
a	Safety Signage- Night Glow Type:	200x250mm, 150x400mm, 100x300mm
F	Certification/ Fire NOC Charge.	Provided
27	RAIN WATER HARVESTING	
a	Filter chamber	2.06x1.21x1.20m
b	UPVC pipes	110mm dia
		160mm dia
c	Junction chamber	0.35x0.35x0.60m
d	Runway harvest pit	2x2x4 m
28	Landscaping	
a	clay soil	PROVIDED
b	farm yad manure	PROVIDED
c	Doob (dharo) grass	PROVIDED
d	shrubs	PROVIDED
e	plants, trees, lawns, raising shrubbery etc	PROVIDED
f	RCC benches	Provided
g	drip irrigation system	PROVIDED
h	maintanance	2 years

Executive Engineer
Gujarat Rural Housing Board