

BOOKLET OF ESTIMATE.

**Name of work :- Construction Of Bharat Nirman Rajiv
Gandhi Seva Bhawan At _____
Tq.Ashti Dist.Beed.**

UNDER :- M.G.N.R.E.G.A 2022-23 (G.P Level 50% Funds)

Estimated Cost Rs :- 34.25 LAKH

**Name of work :- Construction Of Bharat Nirman Rajiv Gandhi Seva
Bhawan At _____ Tq.Ashti Dist.Beed.**

UNDER :- M.G.N.R.E.G.A 2022-23 (G.P Level 50% Funds)

GENERAL REPORT

Construction Of Bharat Nirman Rajiv Gandhi Seva Bhawan At
_____ Tq.Ashti Dist.Beed. (G.P LEVEL) . M.G.N.R.E.G.A 2022-
23 (G.P Level 50% Funds)

Excavation for foundation in earth. Soils of all types sand, gravel and soft murum including removing the excavated material

Excavation for foundation in earth. Hard Murum including removing the excavated material upto a distance of 50 m.

Providing and laying in situ. Cement concrete M-10 / 1:3:6 of trap / granite / quartzite / gneiss metal for foundation and bedding

Providing and laying in situ cement concrete M-20 of trap / granite / quartzite / gneiss metal for reinforced cement concrete work in foundation

Providing and laying in situ cement concrete M-20 of trap / granite / quartzite / gneiss metal for reinforced cement concrete columns

Providing and casting in situ cement concrete M-20 of trap / granite / quartzite / gneiss metal for reinforced cement concrete beams and lintels

Providing second class Burnt Brick masonry with conventional / Indian standard type bricks in cement mortar 1:6 in foundation and plinth of inner walls / in plinth of external walls

Providing and Filling in pinth and floors with contractor's soil, sand or murum in 15 cm

Providing and casting in situ cement concrete M-20 of trap / granite / quartzite / gneiss metal for reinforced cement concrete slabs and landing

Providing and casting in situ cement concrete M-20 of trap / granite / quartzite / gneiss metal for reinforced cement concrete chajja

Providing and fixing in position_____ reinforcement of various diameters for reinforcement concrete pile caps,

Providing and fixing in position Mild Steel reinforcement of various diameters for reinforcement concrete

Providing Second Class Burnt Brick masonry with conventional / Indian standard type bricks in cement mortar 1:6 in superstructure

Providing and fixing jungle wood frame 60 mm X 100 mm. for second class doors,

Providing and fixing in position P.V.C.Door shutters of standard size with P.V.C. shutters frame 59 mm. x 29 mm.

The rates are adopted as per PWD SSR 2021-2022 years.

Estimated cost Rs.34,25,000/-

Deputy Engineer
Z.P. (Work) Sub div.Ashti

Name of work :- Construction Of Bharat Nirman Rajiv Gandhi Seva Bhawan At
_____ Tq.Ashti Dist.Beed.

UNDER :- M.G.N.R.E.G.A 2022-23 (G.P Level 50% Funds)

GENERAL ABSTRACT

SR.No.	Particular	Total Cost Of Work	Unskilled Amount	Skilled Amount	Skilled Portion Under (15 th F.C)	Skilled Portion Under MGNAREGA
1	One Room	3422750.00	910669.00	2512082.00	972,626.00	1,539,311.00
		Ratio	26.61	73.39		

%

%

Deputy Engineer
Z.P. (Work) Sub div.Ashti

Name of work :- Construction Of Bharat Nirman Rajiv Gandhi Seva Bhawan At _____ Tq.Ashti
Dist.Beed.

UNDER :- M.G.N.R.E.G.A 2022-23 (G.P Level 50% Funds)

GENERAL ABSTRACT

SR NO.	PARTICULARS	TOTAL COST	SKILLED AMT	UNSKILLED AMT
1	1 GP Office	3,422,750.00	2512082.00	910669.00
	GRAND TOTAL (A+B+C)RS.	3422750.00	2512082.00	910669.00

	MATERIAL : LABOUR RATIO	100%	73.39	26.61
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% %

TOTAL 3,422,750.00

Say 34,25,000

Deputy Engineer
Z.P. (Work) Sub div.Ashti

Name of work :- Construction Of Bharat Nirman Rajiv Gandhi Seva Bhawan At _____ Tq.Ashti Dist.Beed.

UNDER :- M.G.N.R.E.G.A 2022-23 (G.P Level 50% Funds)

ABSTARCT (A)

DESCRIPTION	Unit	Qty	Total Rate	Rate		Total Amt		Total Amount
				Unskilled	Skilled	Unskilled	Skilled	
Item No. 1 Excavation for foundation in earth. Soils of all types including removing the excavated material upto a distance of 50 m. beyond the building area stacking and spreading as directed, preparing the bed for the foundation and necessary back filling, ramming, watering etc. It.no.21.02 P.No.153	CU.M	47.03	207.00	-	-	9735.00	0.00	9735.00
Item No. 2 Excavation for foundation in Hard Murum including removing the excavated material upto a distance of 50 m. beyond the building area stacking and spreading as directed, preparing the bed for the foundation and necessary back filling, ramming, watering etc. It.no.21.06 P.No.153	CU.M	29.88	227.00	-	-	6783.00	0.00	6783.00
Item No. 3 Providing soling using 80 mm size trap metal in 15 cm. layer including filling voids with Crushed sand/ grit, ramming, watering etc. complete.It.No.21.40 P.No.157	CU.M	0.70	1,925.53	436.00	1489.53	305.00	1041.00	1346.00
Item No. 4 Providing and laying Cast in situ/ Ready Mix cement concrete in M-10 of trap/ granite/ quartzite/ gneiss metal for foundation and bedding including baling out water, formwork, laying/ pumping, compacting, roughening them if special finish is to be provided, finishing if required and curing complete, with fully automatic micro processor based PLCwith SCADA enabled reversible Drum Type mixer / concrete Batch mix plant (Pan mixer) etc. complete. With natural sand/ V.S.I. quality Artificial Sand It.No.24.01 P.No.176	CU.M	21.05	6,400.48	1616.00	4784.48	34019.00	100719.00	134738.00
Item No. 5 Providing and laying in situ/ Ready Mix cement concrete M-20 of trap/ granite / quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. columns and steel stanchions etc. including baling out water, formwork, laying/ pumping cover blocks, compacting and curing roughening the surface if special finish is to be provided (Excluding reinforcement and structural steel) etc. complete, with fully automatic micro processor based PLCwith SCADA enabled reversible Drum Type mixer / concrete Batch mix plant (Pan mixer) etc. complete. With natural sand/ V.S.I. quality Artificial Sand It.No.25.11 P.No.180	CU.M	7.67	7,558.23	2110.00	5448.23	16189.00	41802.00	57991.00

Item No. 6 Providing and laying Cast in situ/ Ready Mix cement concrete M-20 of trap / granite / quartzite/ gneiss metal for R.C.C. columns as per detailed designs and drawing or as directed including centering, formwork, cover blocks, laying/ pumping, compact ion finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete,(Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer / concrete Batch mix plant (Pan mixer) etc. complete. With natural sand/ V.S.I. quality Artificial Sand it no.25.31 p.no.183	CU.M	10.97	14,350.79	5252.00	9098.79	57620.00	99823.00	157443.00
Item No. 7 Providing and laying Cast in situ/ Ready Mix cement concrete M-20 of trap / granite / quartzite/ gneiss metal for R.C.C. beams and lintels as per detailed designs and drawings or as directed including centering,formwork, cover blocks, laying/ pumping, compact ion and roughening the surface if special finish is to be provided and curing etc. complete.(Excluding reinforcement and structural steel). with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer / concrete Batch mix plant (Pan mixer) etc. complete. With natural sand/ V.S.I. quality Artificial Sand (I.NO.25.50 , P.NO.186)	CU.M	18.19	12,836.79	5085.00	7751.79	92489.00	140994.00	233483.00
Item No. 8 Providing and laying Cast in situ/Ready Mix cement concrete M- 20 of trap/ granite/ quartzite/ gneiss metal for R.C.C. chajja as per detailed design and drawings including centering, formwork, cover blocks compacting , curing , finishing and roughening the surface if special finish is to be provided and curing complete. (Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With natural sand/V.S.I. quality Artificial Sand It.No.26.05 P.No.193	CU.M	0.59	14,499.79	5988.00	8511.79	3516.00	4999.00	8515.00
Item No. 9 Providing and laying Cast in situ/Ready Mix cement concrete M- 20 of trap/ granite / quartzite/ gneiss metal for R.C.C. slabs and landings as per detailed designs and drawings including centering, formwork, cover blocks, laying/pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete,(Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With natural sand/V.S.I. quality Artificial Sand It.No.25.70 P.No.190	CU.M	20.87	14,510.79	5988.00	8522.79	124961.00	177859.00	302820.00

Item No.10 Providing and fixing in position TMT - FE - 500 bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams columns, canopies, staircase, newels, chajjas, lintels, copings, fins, arches etc. as per detailed designs, drawings and schedules. including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required complete. It no.26.33 p.no.236	MT	4.81	90,051.11	11762.00	78289.11	56544.00	376364.00	432908.00
Item No.11 Providing second class Burnt Brick masonry with conventional/ I.S.type bricks in cement mortar 1:6 in foundations and plinth of inner walls/ in plinth external walls including baling out water manually, striking joints on unexposed faces, raking out joints on exposed faces and water ing etc. Complete. It.no.27.01 P.no.254	Cum	23.41	8,509.64	1588.00	6921.64	37176.00	162038.00	199214.00
Item No. 12 Filling in plinth and floors with contractors material/ brought from outside and approved by Engineer in charge in layers of 15 cm to 20cm including water ing and compact ion etc. complete. It.No.21.37 P.No.201	CU.M	151.99	1,011.68	135.00	876.68	20519.00	133249.00	153768.00
Item No. 13 Providing second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in superstructure including striking joints, raking out joints, water ing and scaffolding etc. Complete. It.No.27.05 P.no.254	Cum	50.68	8,748.64	1705.00	7043.64	86417.00	357001.00	443418.00
Item No. 14 Providing internal cement plaster 12mm thick in single coat in cement mortar 1:3 without neeru finish to concrete or brick surfaces, in all position including scaffolding and curing etc. complete It.No.32.05 P.No.260	SQ.M	451.46	299.24	204.00	95.24	92097.00	42999.00	135096.00
Item NO.15 Providing fine cement finish 1.5 mm thick over green plaster surface including scaffolding curing etc. complet It.No.32.21 P.No.225	Sqm	47.23	72.00	57.00	15.00	2692.00	708.00	3400.00
Item No. 16 Providing sand faced plaster externally in cement mortar using approved screened sand, in all positions including base coat of 15 mm thick in cement mortar 1:4 using waterproofing compound at 1 kg per cement bag curing the same for not less than 2 days and keeping the surface of the base coat rough to receive the sand faced treatment 6 to 8 mm thick in cement mortar 1:4 finishing the surface by taking out grains and curing for fourteen days scaffolding etc.complete. It.No.32.11 P.No.224	sqm	221.13	660.36	412.00	248.36	91106.00	54919.00	146025.00
Item No. 17 Providing sills of required material 20mm to 25mm thick, on a bed of cement mortar 1:4 including cement float, filling joints with neat cement slurry, curing, polishing, rounding edges, cleaning complete. b) Granite It.No.33.22 P.No.268	SQ.M	14.63	3,886.00	336.00	3550.00	4915.00	51929.00	56844.00

Item No. 18 Providing and laying machine cut machine Polished Kota stone flooring 25mm to 30mm thick and required width in plain/ diamond pattern on bed of 1:6 C. M. including cement float, filling joints with neat cement slurry, curing, polishing and cleaning etc. complete.It.No.33.06 P.No.265	SQ.M	126.66	1,260.54	281.00	979.54	35592.00	124070.00	159662.00
Item No. 19 Providing and laying ceramic tiles of having size 30 cm x 30 cm confirming to I.S.15622/2006 (group D II-A) and 7 to 8 mm thick for flooring in required position laid on a bed of 1:4 cement mortar including cement float, filling joint with white/colour cement slurry cleaning curing etc. complete. It.No.33.24 P.No.231	SQ.M	2.16	1,194.33	355.00	839.33	767.00	1813.00	2580.00
Item No. 20 Providing and laying ceramic tiles of having size 30 cm. x 30 cm. and confirming to corresponding I.S. for dado and skirting in required position with readymade adhesive mortar of approved quality on plaster of 1:2 cement mortar including joint filling with white/ colour cement slurry cleaning curing etc. complete.It.No.33.25 It.No.231	Sqm	12.42	1,267.33	434.00	833.33	5390.00	10350.00	15740.00
Item No. 21 Providing and fixing solid core flush door shutter commercial in single leaf 32 mm thick without ventilator commercial type of exterior grade as per detailed drawings with wrought iron hold fast, stainless steel fixtures and fastenings and handles on both sides and finishing with oil painting 3 coats complete. It.No.39.10 P.No.308	sqm	13.74	2,913.00	851.00	2062.00	11694.00	28334.00	40028.00
Item No. 22 Providing and fixing in position (as per 1868 / 1982) Aluminium sliding window of three tracks with rectangular pipe 95 x 38.10 x 0.90 mm at weight 0.637 kg/Rmt. with window rame bottom track section 92 x 31.75 x 1.30 mm at weight 1.070 kg/Rmt.. Top and side track section 92 x 31.75 x 1.30mm at weight 0.933 kg/Rmt. The shutter should be of bearing bottom 40 x 18 x 1.25 mm at weight 0.417 kg/Rmt. Inter locking section 40 x 18 x 1.10 mm at weight 0.469 kg/Rmt. and handle and top section 40 x 18 x 1.25 mm at weight 0.417 kg/Rmt. As per detailed drawings and as directed by Engineerincharge with all necessary Aluminium sections fixtures and fastenings such as roller bearing in nylon casting and self locking catch fitted in vertical section of shutter including 5 mm thick plain glass and aluminium mosquito net shutter with stainless steel jai with all required screws and nuts etc, complete. With colour Anodising with box It.No.39.41 P.No.269	sqm	18	5,502.00	1415.00	4087.00	25470.00	73566.00	99036.00

Item No. 23 Providing and fixing mild steel grill work for windows, ventilators, etc. 15 kg/sqm as per drawing including fixtures necessary welding and painting with one coat of anticorrosive paint and two coats of oil painting complete.It.No.40.02 P.No.281	sqm	18	1,707.00	316.00	1391.00	5688.00	25038.00	30726.00
Item No.24 Providing and fixing frame with / without ventilator of size as specified with Country non teak wood for doors and windowsincluding chamfering, rounding, rebating, iron holdfast of size 300mm x 40mm x 5mm with oil painting, etc. complete It.No.39.02 P.No.260	Cum	0.29	107,112.00	135.00	106977.00	39.00	30732.00	30771.00
Item No. 25 Providing and fixing in position powder coated aluminium louvered windows / ventilator of various sizes with powder coating as per detailed drawing and specifications including aluminium frames 80 x 38 mm x 1.22 mm box type, 5 mm thick sheet glass louvers, of approved quality etc. complete.. It.No.39.68 P.No.323	sqm	0.54	34,673.00	1370.00	33303.00	740.00	17984.00	18724.00
Item No. 26 Providing and fixing collapsible steel gate in one / two leaves with hot rolled vertical channels of 18 x 9 x 3 mm minimum size, crossings of M.S. flats of size 18 x 5 mm T or E section for runner of minimum 40 x 6 mm size for flange, M.S. flat for top runner of minimum size 40 x 12 mm with roller wheels conforming to grade F.G. 150 fitted with snap headed rivets of minimum size 6 mm max. spacing of vertical channels be 100 mm enclosed gate position and clear space of 150 mm between two sets of crossings with hold fasts, stoppers, spaces, handles, locking arrangement and one coat of red lead primer and oil painting etc. complete. (I.S. 105211983). It.No.39.26 P.No.312	sqm	3.15	4,011.00	1088.00	2923.00	3427.00	9207.00	12634.00

Item No.27 Providing and applying white-wash in two coats on old / new plastered or masonry surfaces and asbestos cement sheets including scaffolding and preparing the surface by brushing and brooming down etc. complete..It.No.36.03 P.No.290	Sqm	407.47	12.00	8.00	4.00	3260.00	1630.00	4890.00
Item No. 28 Providing and applying plastic emulsion paint of approved quality, colour and shade to new surface in three coats including scaffolding, preparing the surface. (excluding primer coat) etc. complete It.No.36.14 P.No.244	sqm	407.47	135.00	40.00	95.00	16299.00	38709.00	55008.00
Item No. 29 Providing and applying two coats of exterior acrylic emulsion paint conforming to corresponding I.S. of approved manufacture and of approved colour to the plastered surfaces including cleaning ,preparing the plaster surface, applying primer coat ,scaffolding if necessary , and watering the surface for two days etc complete. It.No.35.25 P.No.244	Sqm	221.13	261.00	172.00	89.00	38034.00	19681.00	57715.00
Item No. 30 Providing and fixing 1st class white glazed earthenware Orissa Type W.C. Pan 580 mm dia including P or S trap cast iron soil and vent pipe upto the outside face of the wall (1:5:1 0) cement concrete bedding 15 mm thick, 10 liter P.V.C. flushing cistern with all necessary pipe connection etc. complete. It.No.42.30 P.No.297	Nos	2	4,007.00	2368.00	1639.00	4736.00	3278.00	8014.00
Item No. 31 Providing and constructing Brick Masonry Inspection Chamber 60cm x 45cm x 90cm including 1:4:8 cement concrete foundation 1:2:4 cement concrete channels half round G.S.W. pipes, Brick Masonry, plastering from inside and with frame fixed in cement concrete with R.C.C. Cover medium duty 140 kg with frame etc complete. It.No.42.12 P.No.294	Nos	2	9,342.00	1662.00	7680.00	3324.00	15360.00	18684.00
Item No. 32 Providing and fixing 100 mm dia stabiliser pipe/ P.V.C. soil vent/waste pipe and with necessary fixtures and fitting such as bends, tees, single junctions, slotted vent, clamps etc. complete It.No.42.52 P.No.299	Rgm	6	788.00	159.00	629.00	954.00	3774.00	4728.00
Item No. 33 Providing and fixing on walls/ ceiling/ floor 15 mm dia. CPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete.It.No.42.55 P.No.353	Rgm	6	266.00	177.00	89.00	1062.00	534.00	1596.00
Item No. 34 Providing and fixing on walls/ceiling/floor 20 mm dia. CPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete.It.No.42.56 P.No.351	Rgm	8	310.00	185.00	125.00	1480.00	1000.00	2480.00
Item No. 35 Providing and fixing screw down 15 mm dia. wheeled stop tap of brass including necessary sockets/union nut completeIt.No.41.43 P.No.337	Nos	4	516.00	105.00	411.00	420.00	1644.00	2064.00

Item No. 36 Providing and fixing coloured glazed earthenware Wash Hand Basin of 55cm x 40 cm size including cold water pillar tap/cold and hot water pillar tap brackets, rubber plugs and brass chain, stop tap and necessary pipe connection including P.V.C. waste pipe and trap up to the outside face of the wall. Making good the damaged surface, testing etc. complete.It.No.41.66 P.No.340	Nos	2	5,986.00	1935.00	4051.00	3870.00	8102.00	11972.00
Item No. 37 Providing and fixing 15 mm dia. screw down bib/ stop tap of brass including necessary socket union nut complete. It.No.41.40 P.No.288	Nos	3	671.00	105.00	566.00	315.00	1698.00	2013.00
Item No.38 Providing and fixing in position UPVC ultra violet stabilized 110 mm outer diameter cowl dome confirming to I.S.-4985 including making joints with solvent cement etc. complete It.No.43.25 P.No.309	Nos	4	169.00	78.00	91.00	312.00	364.00	676.00
Item No. 39 Providing and fixing H.D.P container Syntex or alike one piece moulded water tank made out of low density polythylar and built corrugation including of delivery up to destination hoisting and fixing of accessories such as inlet, outlet overflow of all tanks capacity above 1000 to 20,000 litres It.No.42.54 P.No.303	LTR	1000	11.00	1.00	10.00	1000.00	10000.00	11000.00
Item No. 40 Supplying and fixing G.I. Pipe 50 mm diameter heavy type drilled on top and painted with one coat of epoxy primer and two coats of epoxy finish paint having black and white bands of 25 cm, last part of the post 0.75 mt. below ground level is painted with three coats of red lead paint with two One Number of high tensile G.I. bolt and nut of size 10 mm die of 25 mm long including transportation etc. complete It.No.52.47 P.No.570	RGm	4	1,241.00	174.00	1067.00	696.00	4268.00	4964.00
Total Work Portion						901652.00	2177580.00	3079232.00
Item No.41 Testing Charges								
A) Compressive Strenght Of CC Cube	Nos	1.00	690.00				690.00	690.00
Item No.42 Royalty Charges	cum							
A) For sand = Royalty + surcharge (2%) + Distt. Mineral Foundation Cess (10%)= 211.95+4.23+21.19 = 237.37 Per Cum		74.64	237.37				17717.00	17717.00
B) For All Other Minerals = Royalty + surcharge (2%) = 211.95+4.23 = 216.18 per cum		152.69	216.18				33009.00	33009.00
Item No.43 GST	12%						261310.00	261310.00
Item No.44 Add Labour Insurance	1%					9017.00	21776.00	30792.00
Total Value of work Rs.						910669.00	2512082.00	3422750.00

Part A) Labour Cost For MGNREGA Rs	910,669.00	Unskilled	37.17	37%
Part B) Material Cost For MGNREGA Rs.	1,539,311.00	Skilled	62.83	63%
	Total			
	2,449,980.00			
Part C) Material Cost For 15 Th F.C (G.P)	972,626.00			

2,511,937.00

Deputy Engineer
Z.P. (Work) Sub div.Ashti

Name of work :- Construction Of Bharat Nirman Rajiv Gandhi Seva Bhawan At _____ Tq.Ashti Dist.Beed.

UNDER :- M.G.N.R.E.G.A 2022-23 (G.P Level 50% Funds)

ABSTARCT (B)

DESCRIPTION	Unit	Qty	Total Rate	Rate		Total Amt		Total Amount
				Unskilled	Skilled	Unskilled	Skilled	
Item No. 1 Excavation for foundation in earth. Soils of all types including removing the excavated material upto a distance of 50 m. beyond the building area stacking and spreading as directed, preparing the bed for the foundation and necessary back filling, ramming, watering etc. It.no.21.02 P.No.153	CUM	47.03	207.00	-	-	0.00	0.00	0.00
Item No. 2 Excavation for foundation in Hard Murum including removing the excavated material upto a distance of 50 m. beyond the building area stacking and spreading as directed, preparing the bed for the foundation and necessary back filling, ramming, watering etc. It.no.21.06 P.No.153	CUM	29.88	227.00	-	-	0.00	0.00	0.00
Item No. 3 Providing soling using 80 mm size trap metal in 15 cm. layer including filling voids with Crushed sand/grit, ramming, watering etc. complete.It.No.21.40 P.No.157	CUM	0.70	1,925.53	436.00	1489.53	0.00	0.00	0.00
Item No. 4 Providing and laying Cast in situ/ Ready Mix cement concrete in M-10 of trap/ granite/ quartzite/ gneiss metal for foundation and bedding including bailing out water, formwork, laying/ pumping, compacting, roughening them if special finish is to be provided, finishing if required and curing complete, with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer / concrete Batch mix plant (Pan mixer) etc. complete. With natural sand/ V.S.I. quality Artificial Sand It.No.24.01 P.No.176	CUM	21.05	6,400.48	1616.00	4784.48	0.00	0.00	0.00

<p>Item No. 5 Providing and laying in situ/ Ready Mix cement concrete M-20 of trap/ granite / quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. columns and steel stanchions etc. including bailing out water, formwork, laying/ pumping cover blocks, compact ion and curing roughening the surface if special finish is to be provided (Excluding reinforcement and structural steel) etc. complete, with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer / concrete Batch mix plant (Pan mixer) etc. complete. With natural sand/ V.S.I. quality Artificial Sand It.No.25.11 P.No.180</p>	CUM	7.67	7,558.23	2110.00	5448.23		0.00	0.00
<p>Item No. 6 Providing and laying Cast in situ/ Ready Mix cement concrete M-20 of trap / granite / quartzite/ gneiss metal for R.C.C. columns as per detailed designs and drawing or as directed including centering, formwork, cover blocks, laying/ pumping, compact ion finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete,(Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer / concrete Batch mix plant (Pan mixer) etc. complete. With natural sand/ V.S.I. quality Artificial Sand it no.25.31 p.no.183</p>	CUM	10.97	14,350.79	5252.00	9098.79		0.00	0.00
<p>Item No. 7 Providing and laying Cast in situ/ Ready Mix cement concrete M-20 of trap / granite / quartzite/ gneiss metal for R.C.C. beams and lintels as per detailed designs and drawings or as directed including centering, formwork, cover blocks, laying/ pumping, compact ion and roughening the surface if special finish is to be provided and curing etc. complete.(Excluding reinforcement and structural steel). with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer / concrete Batch mix plant (Pan mixer) etc. complete. With natural sand/ V.S.I. quality Artificial Sand (I.NO.25.50 , P.NO.186)</p>	CUM	18.19	12,836.79	5085.00	7751.79		0.00	0.00

Item No. 8 Providing and laying Cast in situ/Ready Mix cement concrete M- 20 of trap/ granite/ quartzite/ gneiss metal for R.C.C. chajja as per detailed design and drawings including centering, formwork, cover blocks compacting , curing, finishing and roughening the surface if special finish is to be provided and curing complete. (Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With natural sand/V.S.I. quality Artificial Sand It.No.26.05 P.No.193	CUM	0.59	14,499.79	5988.00	8511.79		0.00	0.00
Item No. 9 Providing and laying Cast in situ/Ready Mix cement concrete M- 20 of trap/ granite / quartzite/ gneiss metal for R.C.C. slabs and landings as per detailed designs and drawings including centering, formwork, cover blocks, laying/pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete,(Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With natural sand/V.S.I. quality Artificial Sand It.No.25.70 P.No.190	CUM	20.87	14,510.79	5988.00	8522.79		0.00	0.00
Item No.10 Providing and fixing in position TMT - FE - 500 bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams columns, canopies, staircase, newels, chajjas, lintels pardis, copings, fins, arches etc. as per detailed designs, drawings and schedules. including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required complete.Itno.26.33 p.no.236	MT	4.81	90,051.11	11762.00	78289.11		376364.00	376364.00
Item No.11 Providing second class Burnt Br ick masonry with convent ional/ I.S.type br icks incement mor tar 1:6 in foundat ions and plinth of innerwalls/ in plinth external walls including bai ling out water manually ,st r iking joints on unexposed faces, raking out joints on exposed facesand water ing etc. Complete. It.no.27.01 P.no.254	Cum	23.41	8,509.64	1588.00	6921.64		162038.00	162038.00

Item No. 12 Filling in plinth and floors with contractors material/ brought from outside and approved by Engineer incharge in layers of 15 cm to 20cm including watering and compact ion etc. complete.It.No.21.37 P.No.201	CUM	151.99	1,011.68	135.00	876.68		133249.00	133249.00
Item No. 13 Providing second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in superstructure including striking joints, raking out joints, watering and scaffolding etc. Complete.It.No.27.05 P.no.254	Cum	50.68	8,748.64	1705.00	7043.64		357001.00	357001.00
Item No. 14 Providing internal cement plaster 12mm thick in single coat in cement mortar 1:3 without neeru finish to concrete or brick surfaces, in all position including scaffolding and curing etc. complete It.No.32.05 P.No.260	SQ.M	451.46	299.24	204.00	95.24		0.00	0.00
Item NO.15 Providing fine cement finish 1.5 mm thick over green plaster surface including scaffolding curing etc. complet It.No.32.21 P.No.225	Sqm	47.23	72.00	57.00	15.00		0.00	0.00
Item No. 16 Providing sand faced plaster externally in cement mortar using approved screened sand, in all positions including base coat of 15 mm thick in cement mortar 1:4 using waterproofing compound at 1 kg per cement bag curing the same for not less than 2 days and keeping the surface of the base coat rough to receive the sand faced treatment 6 to 8 mm thick in cement mortar 1:4 finishing the surface by taking out grains and curing for fourteen days scaffolding etc.complete.It.No.32.11 P.No.224	sqm	221.13	660.36	412.00	248.36		0.00	0.00
Item No. 17 Providing sills of required material 20mm to 25mm thick, on a bed of cement mortar 1:4 including cement float, filling joints with neat cement slurry, curing, polishing, rounding edges, cleaning complete. b) GraniteIt.No.33.22 P.No.268	SQ.M	14.63	3,886.00	336.00	3550.00		0.00	0.00
Item No. 18 Providing and laying machine cut machine Polished Kota stone flooring 25mm to 30mm thick and required width in plain/ diamond pattern on bed of 1:6 C. M. including cement float, filling joints with neat cement slurry, curing, polishing and cleaning etc. complete.It.No.33.06 P.No.265	SQ.M	126.66	1,260.54	281.00	979.54		124070.00	124070.00

Item No. 19 Providing and laying ceramic tiles of having size 30 cm x 30 cm confirming to I.S.15622/2006 (group D II-A) and 7 to 8 mm thick for flooring in required position laid on a bed of 1:4 cement mortar including cement float, filling joint with white/colour cement slurry cleaning curing etc. complete. It.No.33.24 P.No.231	SQ.M	2.16	1,194.33	355.00	839.33		0.00	0.00
Item No. 20 Providing and laying ceramic tiles of having size 30 cm. x 30 cm. and confirming to corresponding I.S. for dado and skirting in required position with readymade adhesive mortar of approved quality on plaster of 1:2 cement mortar including joint filling with white/ colour cement slurry cleaning curing etc. complete.It.No.33.25 It.No.231	Sqm	12.42	1,267.33	434.00	833.33		0.00	0.00
Item No. 21 Providing and fixing solid core flush door shutter commercial in single leaf 32 mm thick without ventilator commercial type of exterior grade as per detailed drawings with wrought iron hold fast, stainless steel fixtures and fastenings and handles on both sides and finishing with oil painting 3 coats complete. It.No.39.10 P.No.308	sqm	13.74	2,913.00	851.00	2062.00		28334.00	28334.00
Item No. 22 Providing and fixing in position (as per 1868 / 1982) Alluminium sliding window of three tracks with rectangular pipe 95 x 38.10 x 0.90 mm at weight 0.637 kg/Rmt. with window rame bottom track section 92 x 31.75 x 1.30 mm at weight 1.070 kg/Rmt.. Top and side track section 92 x 31.75 x 1.30mm at weight 0.933 kg/Rmt. The shutter should be of bearing bottom 40 x 18 x 1.25 mm at weight 0.417 kg/Rmt. Inter locking section 40 x 18 x 1.10 mm at weight 0.469 kg/Rmt. and handle and top section 40 x 18 x 1.25 mm at weight 0.417 kg/Rmt. As per detailed drawings and as directed by Engineerincharge with all necessary Aluminium sections fixtures and fastenings such as roller bearing in nylon casting and self locking catch fitted in vertical section of shutter including 5 mm thick plain glass and aluminium mosquito net shutter with stainless steel jail with all required screws and nuts etc, complete. With colour Anodising with box It.No.39.41 P.No.269	sqm	18	5,502.00	1415.00	4087.00		0.00	0.00
Item No. 23 Providing and fixing mild steel grill work for windows, ventilators, etc. 15 kg/sqm as per drawing including fixtures necessary welding and painting with one coat of anticorrosive paint and two coats of oil painting complete.It.No.40.02 P.No.281	sqm	18	1,707.00	316.00	1391.00		25038.00	25038.00

Item No.24 Providing and fixing frame with / without ventilator of size as specified with Country non teak wood for doors and windows including chamfering, rounding, rebating, iron holdfast of size 300mm x 40mm x 5mm with oil painting, etc. complete It.No.39.02 P.No.260	Cum	0.29	107,112.00	135.00	106977.00		30732.00	30732.00
Item No. 25 Providing and fixing in position powder coated aluminium louvered windows / ventilator of various sizes with powder coating as per detailed drawing and specifications including aluminium frames 80 x 38 mm x 1.22 mm box type, 5 mm thick sheet glass louvers, of approved quality etc. complete.. It.No.39.68 P.No.323	sqm	0.54	34,673.00	1370.00	33303.00		17984.00	17984.00
Item No. 26 Providing and fixing collapsible steel gate in one / two leaves with hot rolled vertical channels of 18 x 9 x 3 mm minimum size, crossings of M.S. flats of size 18 x 5 mm T or E section for runner of minimum 40 x 6 mm size for flange, M.S. flat for top runner of minimum size 40 x 12 mm with roller wheels conforming to grade F.G. 150 fitted with snap headed rivets of minimum size 6 mm max. spacing of vertical channels be 100 mm enclosed gate position and clear space of 150 mm between two sets of crossings with hold fasts, stoppers, spaces, handles, locking arrangement and one coat of red lead primer and oil painting etc. complete. (I.S. 105211983). It.No.39.26 P.No.312	sqm	3.15	4,011.00	1088.00	2923.00		0.00	0.00
Item No.27 Providing and applying white-wash in two coats on old / new plastered or masonry surfaces and asbestos cement sheets including scaffolding and preparing the surface by brushing and brooming down etc. complete..It.No.36.03 P.No.290	Sqm	407.47	12.00	8.00	4.00		0.00	0.00
Item No. 28 Providing and applying plastic emulsion paint of approved quality, colour and shade to new surface in three coats including scaffolding, preparing the surface. (excluding primer coat) etc. complete It.No.36.14 P.No.244	sqm	407.47	135.00	40.00	95.00		38709.00	38709.00

Item No. 29 Providing and applying two coats of exterior acrylic emulsion paint conforming to corresponding I.S. of approved manufacture and of approved colour to the plastered surfaces including cleaning ,preparing the plaster surface, applying primer coat ,scaffolding if necessary , and watering the surface for two days etc complete. It.No.35.25 P.No.244	Sqm	221.13	261.00	172.00	89.00		19681.00	19681.00
Item No. 30 Providing and fixing 1st class white glazed earthenware Orissa Type W.C. Pan 580 mm dia including P or S trap cast iron soil and vent pipe upto the outside face of the wall (1:5:1 0) cement concrete bedding 15 mm thick, 10 liter P.V.C. flushing cistern with all necessary pipe connection etc. complete. It.No.42.30 P.No.297	Nos	2	4,007.00	2368.00	1639.00		3278.00	3278.00
Item No. 31 Providing and constructing Brick Masonry Inspection Chamber 60cm x 45cm x 90cm including 1:4:8 cement concrete foundation 1:2:4 cement concrete channels half round G.S.W. pipes, Brick Masonry, plastering from inside and with frame fixed in cement concrete with R.C.C. Cover medium duty 140 kg with frame etc complete. It.No.42.12 P.No.294	Nos	2	9,342.00	1662.00	7680.00		15360.00	15360.00
Item No. 32 Providing and fixing 100 mm dia stabiliser pipe/ P.V.C. soil vent/waste pipe and with necessary fixtures and fitting such as bends, tees, single junctions, slotted vent, clamps etc. complete It.No.42.52 P.No.299	Rgm	6	788.00	159.00	629.00		3774.00	3774.00
Item No. 33 Providing and fixing on walls/ ceiling/ floor 15 mm dia. CPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete.It.No.42.55 P.No.353	Rgm	6	266.00	177.00	89.00		534.00	534.00
Item No. 34 Providing and fixing on walls/ceiling/floor 20 mm dia. CPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete.It.No.42.56 P.No.351	Rgm	8	310.00	185.00	125.00		0.00	0.00
Item No. 35 Providing and fixing screw down 15 mm dia. wheeled stop tap of brass including necessary sockets/union nut completeIt.No.41.43 P.No.337	Nos	4	516.00	105.00	411.00		1644.00	1644.00

Item No. 36 Providing and fixing coloured glazed earthenware Wash Hand Basin of 55cm x 40 cm size including cold water pillar tap/cold and hot water pillar tap brackets, rubber plugs and brass chain, stop tap and necessary pipe connection including P.V.C. waste pipe and trap up to the outside face of the wall. Making good the damaged surface, testing etc. complete.It.No.41.66 P.No.340	Nos	2	5,986.00	1935.00	4051.00		8102.00	8102.00
Item No. 37 Providing and fixing 15 mm dia. screw down bib/ stop tap of brass including necessary socket union nut complete. It.No.41.40 P.No.288	Nos	3	671.00	105.00	566.00		1698.00	1698.00
Item No.38 Providing and fixing in position UPVC ultra violet stabilized 110 mm outer diameter cowl dome confirming to I.S.-4985 including making joints with solvent cement etc. complete It.No.43.25 P.No.309	Nos	4	169.00	78.00	91.00		364.00	364.00
Item No. 39 Providing and fixing H.D.P container Syntex or alike one piece moulded water tank made out of low density polythylar and built corrugation including of delivery up to destination hoisting and fixing of accessories such as inlet, outlet overflow of all tanks capacity above 1000 to 20,000 litres It.No.42.54 P.No.303	LTR	1000	11.00	1.00	10.00		10000.00	10000.00
Item No. 40 Supplying and fixing G.I. Pipe 50 mm diameter heavy type drilled on top and painted with one coat of epoxy primer and two coats of epoxy finish paint having black and white bands of 25 cm, last part of the post 0.75 mt. below ground level is painted with three coats of red lead paint with two One Number of high tensile G.I. bolt and nut of size 10 mm die of 25 mm long including transportation etc. complete It.No.52.47 P.No.570	RGm	4	1,241.00	174.00	1067.00		4268.00	4268.00
Total Work Portion							1362222.00	1362222.00
Item No.41 Testing Charges								
A) Compressive Strenght Of CC Cube	Nos							
Item No.42 Royalty Charges	cum							
A) For sand = Royalty + surcharge (2%) + Distt. Mineral Foundation Cess (10%)= 211.95+4.23+21.19 = 237.37 Per Cum								
B) For All Other Minerals = Royalty + surcharge (2%) = 211.95+4.23 = 216.18 per cum								

Item No.43	GST	12%						163467.00	163467.00
Item No.44	Add Labour Insurance	1%						13622.00	13622.00
Total Value of work Rs.								1539311.00	1539311.00

Deputy Engineer
Z.P. (Work) Sub div.Ashti

Name of work :- Construction Of Bharat Nirman Rajiv Gandhi Seva Bhawan At _____ Tq.Ashti Dist.Beed.

UNDER :- M.G.N.R.E.G.A 2022-23 (G.P Level 50% Funds)

ABSTARCT (C)

DESCRIPTION	Unit	Qty	Total Rate	Rate		Total Amt		Total Amount
				Unskilled	Skilled	Unskilled	Skilled	
Item No. 1 Excavation for foundation in earth. Soils of all types including removing the excavated material upto a distance of 50 m. beyond the building area stacking and spreading as directed, preparing the bed for the foundation and necessary back filling, ramming, watering etc. It.no.21.02 P.No.153	CU.M	47.03	207.00	-	-		0.00	0.00
Item No. 2 Excavation for foundation in Hard Murum including removing the excavated material upto a distance of 50 m. beyond the building area stacking and spreading as directed, preparing the bed for the foundation and necessary back filling, ramming, watering etc. It.no.21.06 P.No.153	CU.M	29.88	227.00	-	-		0.00	0.00
Item No. 3 Providing soling using 80 mm size trap metal in 15 cm. layer including filling voids with Crushed sand/ grit, ramming, watering etc. complete.It.No.21.40 P.No.157	CU.M	0.70	1,925.53	436.00	1489.53		1041.00	1041.00
Item No. 4 Providing and laying Cast in situ/ Ready Mix cement concrete in M-10 of trap/ granite/ quartzite/ gneiss metal for foundation and bedding including bailing out water, formwork, laying/ pumping, compacting, roughening them if special finish is to be provided, finishing if required and curing complete, with fully automatic micro processor based PLCwith SCADA enabled reversible Drum Type mixer / concrete Batch mix plant (Pan mixer) etc. complete. With natural sand/ V.S.I. quality Artificial Sand It.No.24.01 P.No.176	CU.M	21.05	6,400.48	1616.00	4784.48		100719.00	100719.00
Item No. 5 Providing and laying in situ/ Ready Mix cement concrete M-20 of trap/ granite/ quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. columns and steel stanchions etc. including bailing out water, formwork, laying/ pumping cover blocks, compacting and curing roughening the surface if special finish is to be provided (Excluding reinforcement and structural steel) etc. complete, with fully automatic micro processor based PLCwith SCADA enabled reversible Drum Type mixer / concrete Batch mix plant (Pan mixer) etc. complete. With natural sand/ V.S.I. quality Artificial Sand It.No.25.11 P.No.180	CU.M	7.67	7,558.23	2110.00	5448.23		41802.00	41802.00

Item No. 6 Providing and laying Cast in situ/ Ready Mix cement concrete M-20 of trap / granite / quartzite/ gneiss metal for R.C.C. columns as per detailed designs and drawing or as directed including centering, formwork, cover blocks, laying/ pumping, compact ion finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete,(Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer / concrete Batch mix plant (Pan mixer) etc. complete. With natural sand/ V.S.I. quality Artificial Sand It.no.25.31 p.no.183	CUM	10.97	14,350.79	5252.00	9098.79		99823.00	99823.00
Item No. 7 Providing and laying Cast in situ/ Ready Mix cement concrete M-20 of trap / granite / quartzite/ gneiss metal for R.C.C. beams and lintels as per detailed designs and drawings or as directed including centering,formwork, cover blocks, laying/ pumping, compact ion and roughening the surface if special finish is to be provided and curing etc. complete.(Excluding reinforcement and structural steel). with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer / concrete Batch mix plant (Pan mixer) etc. complete. With natural sand/ V.S.I. quality Artificial Sand (I.NO.25.50 , P.NO.186)	CUM	18.19	12,836.79	5085.00	7751.79		140994.00	140994.00
Item No. 8 Providing and laying Cast in situ/Ready Mix cement concrete M- 20 of trap/ granite/ quartzite/ gneiss metal for R.C.C. chajja as per detailed design and drawings including centering, formwork, cover blocks compacting , curing , finishing and roughening the surface if special finish is to be provided and curing complete. (Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With natural sand/V.S.I. quality Artificial Sand It.No.26.05 P.No.193	CUM	0.59	14,499.79	5988.00	8511.79		4999.00	4999.00
Item No. 9 Providing and laying Cast in situ/Ready Mix cement concrete M- 20 of trap/ granite / quartzite/ gneiss metal for R.C.C. slabs and landings as per detailed designs and drawings including centering, formwork, cover blocks, laying/pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete,(Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With natural sand/V.S.I. quality Artificial Sand It.No.25.70 P.No.190	CUM	20.87	14,510.79	5988.00	8522.79		177859.00	177859.00

Item No.10 Providing and fixing in position TMT - FE - 500 bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams columns, canopies, staircase, newels, chajjas, lintels, copings, fins, arches etc. as per detailed designs, drawings and schedules. including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required complete. It.no.26.33 p.no.236	MT	4.81	90,051.11	11762.00	78289.11		0.00	0.00
Item No.11 Providing second class Burnt Brick masonry with conventional/ I.S.type bricks in cement mortar 1:6 in foundations and plinth of innerwalls/ in plinth external walls including binding out water manually, striking joints on unexposed faces, raking out joints on exposed faces and water ing etc. Complete. It.no.27.01 P.no.254	Cum	23.41	8,509.64	1588.00	6921.64		0.00	0.00
Item No. 12 Filling in plinth and floors with compactors material/ brought from outside and approved by Engineer in charge in layers of 15 cm to 20cm including water ing and compact ion etc. complete. It.No.21.37 P.No.201	CU.M	151.99	1,011.68	135.00	876.68		0.00	0.00
Item No. 13 Providing second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in superstructure including striking joints, raking out joints, water ing and scaffolding etc. Complete. It.No.27.05 P.no.254	Cum	50.68	8,748.64	1705.00	7043.64		0.00	0.00
Item No. 14 Providing internal cement plaster 12mm thick in single coat in cement mortar 1:3 without neeru finish to concrete or brick surfaces, in all position including scaffolding and curing etc. complete. It.No.32.05 P.No.260	SQ.M	451.46	299.24	204.00	95.24		42999.00	42999.00
Item NO.15 Providing fine cement finish 1.5 mm thick over green plaster surface including scaffolding curing etc. complete. It.No.32.21 P.No.225	Sqm	47.23	72.00	57.00	15.00		708.00	708.00
Item No. 16 Providing sand faced plaster externally in cement mortar using approved screened sand, in all positions including base coat of 15 mm thick in cement mortar 1:4 using waterproofing compound at 1 kg per cement bag curing the same for not less than 2 days and keeping the surface of the base coat rough to receive the sand faced treatment 6 to 8 mm thick in cement mortar 1:4 finishing the surface by taking out grains and curing for fourteen days scaffolding etc. complete. It.No.32.11 P.No.224	sqm	221.13	660.36	412.00	248.36		54919.00	54919.00

Item No. 17 Providing sills of required material 20mm to 25mm thick, on a bed of cement mortar 1:4 including cement float, filling joints with neat cement slurry, curing, polishing, rounding edges, cleaning complete. b) Granite.No.33.22 P.No.268	SQ.M	14.63	3,886.00	336.00	3550.00		51929.00	51929.00
Item No. 18 Providing and laying machine cut machine Polished Kota stone flooring 25mm to 30mm thick and required width in plain/ diamond pattern on bed of 1:6 C. M. including cement float, filling joints with neat cement slurry, curing, polishing and cleaning etc. complete.It.No.33.06 P.No.265	SQ.M	126.66	1,260.54	281.00	979.54		0.00	0.00
Item No. 19 Providing and laying ceramic tiles of having size 30 cm x 30 cm conforming to I.S.15622/2006 (group D II-A) and 7 to 8 mm thick for flooring in required position laid on a bed of 1:4 cement mortar including cement float, filling joint with white/colour cement slurry cleaning curing etc. complete. It.No.33.24 P.No.231	SQ.M	2.16	1,194.33	355.00	839.33		1813.00	1813.00
Item No. 20 Providing and laying ceramic tiles of having size 30 cm. x 30 cm. and conforming to corresponding I.S. for dado and skirting in required position with readymade adhesive mortar of approved quality on plaster of 1:2 cement mortar including joint filling with white/ colour cement slurry cleaning curing etc. complete.It.No.33.25 It.No.231	Sqm	12.42	1,267.33	434.00	833.33		10350.00	10350.00
Item No. 21 Providing and fixing solid core flush door shutter commercial in single leaf 32 mm thick without ventilator commercial type of exterior grade as per detailed drawings with wrought iron hold fast, stainless steel fixtures and fastenings and handles on both sides and finishing with oil painting 3 coats complete. It.No.39.10 P.No.308	sqm	13.74	2,913.00	851.00	2062.00		0.00	0.00
Item No. 22 Providing and fixing in position (as per 1868 / 1982) Alluminium sliding window of three tracks with rectangular pipe 95 x 38.10 x 0.90 mm at weight 0.637 kg/Rmt. with window rame bottom track section 92 x 31.75 x 1.30 mm at weight 1.070 kg/Rmt.. Top and side track section 92 x 31.75 x 1.30mm at weight 0.933 kg/Rmt. The shutter should be of bearing bottom 40 x 18 x 1.25 mm at weight 0.417 kg/Rmt. Inter locking section 40 x 18 x 1.10 mm at weight 0.469 kg/Rmt. and handle and top section 40 x 18 x 1.25 mm at weight 0.417 kg/Rmt. As per detailed drawings and as directed by Engineerincharge with all necessary Aluminium sections fixtures and fastenings such as roller bearing in nylon casting and self locking catch fitted in vertical section of shutter including 5 mm thick plain glass and aluminium mosquito net shutter with stainless steel jail with all required screws and nuts etc, complete. With colour Anodising with box It.No.39.41 P.No.269	sqm	18	5,502.00	1415.00	4087.00		73566.00	73566.00

Item No. 23 Providing and fixing mild steel grill work for windows, ventilators, etc. 15 kg/sqm as per drawing including fixtures necessary welding and painting with one coat of anticorrosive paint and two coats of oil painting complete.It.No.40.02 P.No.281	sqm	18	1,707.00	316.00	1391.00		0.00	0.00
Item No.24 Providing and fixing frame with / without ventilator of size as specified with Country non teak wood for doors and windowsincluding chamfering, rounding, rebating, iron holdfast of size 300mm x 40mm x 5mm with oil painting, etc. complete It.No.39.02 P.No.260	Cum	0.29	107,112.00	135.00	106977.00		0.00	0.00
Item No. 25 Providing and fixing in position powder coated aluminium louvered windows / ventilator of various sizes with powder coating as per detailed drawing and specifications including aluminium frames 80 x 38 mm x 1.22 mm box type, 5 mm thick sheet glass louvers, of approved quality etc. complete.. It.No.39.68 P.No.323	sqm	0.54	34,673.00	1370.00	33303.00		0.00	0.00
Item No. 26 Providing and fixing collapsible steel gate in one / two leaves with hot rolled vertical channels of 18 x 9 x 3 mm minimum size, crossings of M.S. flats of size 18 x 5 mm T or E section for runner of minimum 40 x 6 mm size for flange, M.S. flat for top runner of minimum size 40 x 12 mm with roller wheels confirming to grade F.G. 150 fitted with snap headed rivets of minimum size 6 mm max. spacing of vertical channels be 100 mm enclosed gate position and clear space of 150 mm between two sets of crossings with hold fasts, stoppers, spaces, handles, locking arrangement and one coat of red lead primer and oil painting etc. complete. (I.S. 105211983). It.No.39.26 P.No.312	sqm	3.15	4,011.00	1088.00	2923.00		9207.00	9207.00
Item No.27 Providing and applying white-wash in two coats on old / new plastered or masonry surfaces and asbestos cement sheets including scaffolding and preparing the surface by brushing andbrooming down etc. complete..It.No.36.03 P.No.290	Sqm	407.47	12.00	8.00	4.00		1630.00	1630.00
Item No. 28 Providing and applying plastic emulsion paint of approved quality, colour and shade to new surface in three coats including scaffolding, preparing the surface. (excluding primer coat) etc. complete It.No.36.14 P.No.244	sqm	407.47	135.00	40.00	95.00		0.00	0.00
Item No. 29 Providing and applying two coats of exterior acryalic emulsion paint confirming to corresponding I.S. of approved manufacture and of approved colour to the plastered surfaces including cleaning ,preparing the plaster surface, applying primer coat ,scaffolding if necessary , and watering the surface for two days etc complete. It.No.35.25 P.No.244	Sqm	221.13	261.00	172.00	89.00		0.00	0.00

Item No. 30 Providing and fixing 1st class white glazed earthenware Orissa Type W.C. Pan 580 mm dia including P or S trap cast iron soil and vent pipe upto the outside face of the wall (1:5:1 0) cement concrete bedding 15 mm thick, 10 liter P.V.C. flushing cistern with all necessary pipe connection etc. complete. It.No.42.30 P.No.297	Nos	2	4,007.00	2368.00	1639.00		0.00	0.00
Item No. 31 Providing and constructing Brick Masonry Inspection Chamber 60cm x 45cm x 90cm including 1:4:8 cement concrete foundation 1:2:4 cement concrete channels half round G.S.W. pipes, Brick Masonry, plastering from inside and with frame fixed in cement concrete with R.C.C. Cover medium duty 140 kg with frame etc complete. It.No.42.12 P.No.294	Nos	2	9,342.00	1662.00	7680.00		0.00	0.00
Item No. 32 Providing and fixing 100 mm dia stabiliser pipe/ P.V.C. soil vent/waste pipe and with necessary fixtures and fitting such as bends, tees, single junctions, slotted vent, clamps etc. complete It.No.42.52 P.No.299	Rgm	6	788.00	159.00	629.00		0.00	0.00
Item No. 33 Providing and fixing on walls/ ceiling/ floor 15 mm dia. CPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete.It.No.42.55 P.No.353	Rgm	6	266.00	177.00	89.00		0.00	0.00
Item No. 34 Providing and fixing on walls/ceiling/floor 20 mm dia. CPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete.It.No.42.56 P.No.351	Rgm	8	310.00	185.00	125.00		1000.00	1000.00
Item No. 35 Providing and fixing screw down 15 mm dia. wheeled stop tap of brass including necessary sockets/union nut completeIt.No.41.43 P.No.337	Nos	4	516.00	105.00	411.00		0.00	0.00
Item No. 36 Providing and fixing coloured glazed earthenware Wash Hand Basin of 55cm x 40 cm size including cold water pillar tap/cold and hot water pillar tap brackets, rubber plugs and brass chain, stop tap and necessary pipe connection including P.V.C. waste pipe and trap up to the outside face of the wall. Making good the damaged surface, testing etc. complete.It.No.41.66 P.No.340	Nos	2	5,986.00	1935.00	4051.00		0.00	0.00
Item No. 37 Providing and fixing 15 mm dia. screw down bib/ stop tap of brass including necessary socket union nut complete. It.No.41.40 P.No.288	Nos	3	671.00	105.00	566.00		0.00	0.00

Item No.38 Providing and fixing in position UPVC ultra violet stabilized 110 mm outer diameter cowl dome conforming to I.S.-4985 including making joints with solvent cement etc. complete It.No.43.25 P.No.309	Nos	4	169.00	78.00	91.00		0.00	0.00
Item No. 39 Providing and fixing H.D.P container Syntex or alike one piece moulded water tank made out of low density polythylar and built corrugation including of delivery up to destination hoisting and fixing of accessories such as inlet, outlet overflow of all tanks capacity above 1000 to 20,000 litres It.No.42.54 P.No.303	LTR	1000	11.00	1.00	10.00		0.00	0.00
Item No. 40 Supplying and fixing G.I. Pipe 50 mm diameter heavy type drilled on top and painted with one coat of epoxy primer and two coats of epoxy finish paint having black and white bands of 25 cm, last part of the post 0.75 mt. below ground level is painted with three coats of red lead paint with two One Number of high tensile G.I. bolt and nut of size 10 mm die of 25 mm long including transportation etc. complete It.No.52.47 P.No.570	RGm	4	1,241.00	174.00	1067.00		0.00	0.00
Total Work Portion							815358.00	815358.00
Item No.41 Testing Charges								
A) Compressive Strenght Of CC Cube	Nos	1.00	690.00				690.00	690.00
Item No.42 Royalty Charges	cum							
A) For sand = Royalty + surcharge (2%) + Distt. Mineral Foundation Cess (10%)= 211.95+4.23+21.19 = 237.37 Per Cum		74.64	237.37				17636.00	17636.00
B) For All Other Minerals = Royalty + surcharge (2%) = 211.95+4.23 = 216.18 per cum		152.69	216.18				32945.00	32945.00
Item No.43 GST	12%						97843.00	97843.00
Item No.44 Add Labour Insurance	1%						8154.00	8154.00
Total Value of work Rs.							972626.00	972626.00

Deputy Engineer
Z.P. (Work) Sub div.Ashti

Name of work :- Construction Of Bharat Nirman Rajiv Gandhi Seva Bhawan At _____ Tq.Ashti
Dist.Beed.

UNDER :- M.G.N.R.E.G.A 2022-23 (G.P Level 50% Funds)

RATE ANALYSIS

Item No.1

Providing **soling using 80 mm size** trap metal in **15 cm.** layer including filling voids with Crushed sand/ granite, ramming, watering etc. complete.It.No.21.40 P.No.157

Rates As Per SSR 2022-23					1454.00	Cum.
Add lead for Metal	1.00	x	393.44	=	393.44	
Add lead for Sand	0.15	x	410.55	=	61.58	
Add Diff.Cost for Sand	0.15	x	110.00	=	16.50	
					1925.53	Cum.

Item No.2

Providing and laying Cast in situ/ Ready Mix **cement concrete in M-10** of trap/ granite/ quartzite/ gneiss metal **for foundation and bedding** including bailing out water, formwork, laying/pumping, compacting, roughening them if special finish is to be provided, finishing if required and curing complete, with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer / concrete Batch mix plant (Pan mixer) etc. complete. With natural sand/ V.S.I. quality Artificial Sand **It.No.24.01 P.No.226**

Rates As Per SSR 2022-23					5830.00	
Deduct For Non Scada				=	120	
Add lead charges for cement	0.22	x	348.11	=	76.58	
Add lead charges for sand	0.47	x	410.55	=	192.96	
Add Diff.Cost Of Sand	0.47	x	110.00	=	51.70	
Add lead charges for 40mm metal	0.70	x	393.44	=	275.41	
Deduct Diff.Cost For 40mm Metal	0.70	x	5.00	=	3.50	
Add lead charges for 20mm metal	0.24	x	410.55	=	98.53	
Deduct Diff.Cost.Of 20 MM Metal	0.24	x	5.00	=	1.20	
					6400.48	Cum

Item No.3

Providing and laying in situ/ Ready Mix **cement concrete M-20** of trap/ granite / quartzite/ gneiss metal **for R.C.C. work in foundations like raft**, strip foundations, grillage and footings of R.C.C. columns and steel stanchions etc. including bailing out water, formwork, laying/pumping cover blocks, compacting and curing roughening the surface if special finish is to be provided (Excluding reinforcement and structural steel) etc. complete, with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer / concrete Batch mix plant (Pan mixer) etc. complete. With natural sand/ V.S.I. quality Artificial Sand **It.No.25.11 P.No.230**

Rates As Per SSR 2022-23					7104.00	
Deduct For Non Scada				=	120	

Add lead charges for cement	0.35	x	348.11	=	121.84
Add lead charges for sand	0.425	x	410.55	=	174.48
Add Diff.Cost Of Sand	0.425	x	110.00	=	46.75
Add lead charges for 20mm metal	0.57	x	410.55	=	234.01
Deduct Diff.Cost.Of 20 MM Metal	0.57	x	5.00	=	2.85
					7558.23

Cum

Item No.4

Providing and laying Cast in si tu/ Ready Mix **cement concrete M-20** of t rap / grani te / quar tzi te/ gneiss metal **for R.C.C. columns** as per detai led designs and drawing or as directed including center ing, formwork, cover blocks, laying/ pumping, compact ion finishing the formed sur faces wi th cement mor tar 1:3 of sufficient minimum thickness to give a smooth and even sur face or roughening i f special finish is to be provided and cur ing etc. complete,(Excluding reinforcement and st ructural steel).wi th fully automat ic micro processor based PLC wi th SCADA enabled reversible Drum Type mixer / concrete Batch mix plant (Pan mixer) etc. complete. Wi thnatural sand/ V.S.I. quali ty Ar t i ficial Sand **it no.25.31 p.no.232**

Rates As Per SSR 2022-23					13783.00
Deduct For Non Scada				=	120
Add lead charges for cement	0.35	x	348.11	=	121.84
Add lead charges for sand	0.425	x	410.55	=	174.48
Add Diff.Cost Of Sand	0.425	x	110.00	=	46.75
Add lead charges for 20mm metal	0.57	x	410.55	=	234.01
Deduct Diff.Cost.Of 20 MM Metal	0.57	x	5.00	=	2.85
Add lead charges for 10/12mm metal	0.28	x	410.55	=	114.95
Deduct Diff.Cost.Of 10/12 MM Metal	0.28	x	5.00	=	1.40
					14350.79

Cum

Item No.5

Providing and laying Cast in si tu/ Ready Mix **cement concrete M-20** oft rap / grani te / quar tzi te/ gneiss metal **for R.C.C. beams and lintels** asper detai led designs and drawings or as directed including center ing,formwork, cover blocks, laying/ pumping, compact ionand rougheningthe sur face i f special finish is to be provided and cur ing etc. complete.(Excluding reinforcement and st ructural steel). wi th fully automat icmicro processor based PLCwi th SCADA enabled reversible Drum Type mixer / concrete Batch mix plant (Pan mixer) etc. complete. Wi thnatural sand/ V.S.I. quali ty Ar t i ficial Sand **(I.NO.25.50 , P.NO.234)**

Rates As Per SSR 2022-23					12269.00
Deduct For Non Scada				=	120
Add lead charges for cement	0.35	x	348.11	=	121.84
Add lead charges for sand	0.425	x	410.55	=	174.48
Add Diff.Cost Of Sand	0.425	x	110.00	=	46.75
Add lead charges for 20mm metal	0.57	x	410.55	=	234.01
Deduct Diff.Cost.Of 20 MM Metal	0.57	x	5.00	=	2.85
Add lead charges for 10/12mm metal	0.28	x	410.55	=	114.95
Deduct Diff.Cost.Of 10/12 MM Metal	0.28	x	5.00	=	1.40

12836.79 Cum

Item No.6

Providing and laying Cast in situ/ Ready Mix **cement concrete M-20** of trap/ granite / quartzite/ gneiss metal **for R.C.C. slabs and landings** as per detailed designs and drawings including centering, formwork, cover blocks, laying/ pumping, compacting and finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing complete. (Excluding reinforcement and structural steel). with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer / concrete Batch mix plant (Pan mixer) etc. complete. With natural sand/ V.S.I. quality Artificial **It.No.25.70 p.no.236**

Rates As Per SSR 2022-23					13943.00
Deduct For Non Scada			=		120
Add lead charges for cement	0.35	x	348.11	=	121.84
Add lead charges for sand	0.425	x	410.55	=	174.48
Add Diff.Cost Of Sand	0.425	x	110.00	=	46.75
Add lead charges for 20mm metal	0.57	x	410.55	=	234.01
Deduct Diff.Cost.Of 20 MM Metal	0.57	x	5.00	=	2.85
Add lead charges for 10/12mm metal	0.28	x	410.55	=	114.95
Deduct Diff.Cost.Of 10/12 MM Metal	0.28	x	5.00	=	1.40
					14510.79 Cum

Item No.7

Providing and laying Cast in situ/Ready Mix cement concrete **M- 20** of trap/ granite/ quartzite/ gneiss metal **for R.C.C. chajja** as per detailed design and drawings including centering, formwork, cover blocks compacting , curing , finishing and roughening the surface if special finish is to be provided and curing complete. (Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With natural sand/V.S.I. quality Artificial Sand **It.No.26.05 P.No.193**

Rates As Per SSR 2022-23					13932.00
Deduct For Non Scada			=		120
Add lead charges for cement	0.35	x	348.11	=	121.84
Add lead charges for sand	0.425	x	410.55	=	174.48
Add Diff.Cost Of Sand	0.425	x	110.00	=	46.75
Add lead charges for 20mm metal	0.57	x	410.55	=	234.01
Deduct Diff.Cost.Of 20 MM Metal	0.57	x	5.00	=	2.85
Add lead charges for 10/12mm metal	0.28	x	410.55	=	114.95
Deduct Diff.Cost.Of 10/12 MM Metal	0.28	x	5.00	=	1.40
					14499.79 Cum

Item No 8

Providing and fixing in position TMT - FE - 500 bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams columns, canopies, staircase, newels, chajjas, lintels, arches, copings, fins, arches etc. as per detailed designs, drawings and schedules. including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required complete. **It.no.26.33 p.no.245**

Rates As Per SSR 2022-23					89703.00
Add lead charges for steel	1.00	x	348.11	=	348.11
					90051.11 Cum

Item No.9

Providing **second class Burnt Brick masonry** with conventional/ I.S.type bricks in cement mortar **1:6 in foundations and plinth of innerwalls/ in plinth external walls** including binding out water manually, striking joints on unexposed faces, raking out joints on exposed faces and water ing etc. Complete. **It.no.27.01 P.no.254**

Rates As Per SSR 2022-23					7755.00
Add lead charges for cement	0.079	x	348.11	=	27.50
Add lead charges for sand	0.32	x	410.55	=	131.38
Add Diff.Cost Of Sand	0.320	x	110.00	=	35.20
Add lead charges for Brick for 1 cum	1.00	x	560.56	=	560.56
					8509.64 Cum

Item No.10

Filling in plinth and floors with contractors material/ brought from outside and approved by Engineer in charge in layers of 15 cm to 20cm including water ing and compact ion etc. complete. **It.No.21.37 P.No.201**

Rates As Per SSR 2022-23					795.00
Add lead charges for murum	1.00	x	211.68	=	211.68
Add Diff Cost for murum	1.00	x	5.00	=	5.00
					1011.68 Cum

Item No.11

Providing **second class Burnt Brick masonry** with conventional/ I.S. type bricks in cement mortar **1:6 in superstructure** including striking joints, raking out joints, water ing and scaffolding etc. Complete. **It.No.27.05 P.no.254**

Rates As Per SSR 2022-23					7994.00	cum
Add lead charges for cement	0.079	x	348.11	=	27.50	
Add lead charges for sand	0.32	x	410.55	=	131.38	
Add Diff.Cost Of Sand	0.320	x	110.00	=	35.20	
Add lead charges for Brick For 1 Cum	1.00	x	560.56	=	560.56	
					8748.64	cum

Item No.12

Providing internal cement plaster 12mm thick in single coat in cement mortar 1:3 without neeru finish to concrete or brick surfaces, in all position including scaffolding and complete.**It.No.32.05 .No.221**

Rates As Per SSR 2022-23					289.00
Add lead charges for cement	0.007	x	348.11	=	2.44
Add lead charges for sand	0.015	x	410.55	=	6.16
Add Diff.Cost Of Sand	0.015	x	110.00	=	1.65
					299.24 Cum

Item No.13

Providing **sand faced plaster externally in cement mortar** using approved screened sand, in all positions including base coat of **15 mm thick in cement mortar 1:4 using** waterproofing compound at 1 kg per cement bag curing the same for not less than 2 days and keeping the surface of the base coat rough to receive the sand faced treatment 6 to 8 mm thick in cement mortar 1:4 finishing the surface by taking out grains and curing for fourteen days scaffolding etc.complete.**It.No.32.11 P.No.261**

Rates As Per SSR 2022-23					639.00
Add lead charges for cement	0.012	x	348.11	=	4.18
Add lead charges for sand	0.033	x	410.55	=	13.55
Add Diff.Cost Of Sand	0.033	x	110.00	=	3.63
					660.36 sqm

Item No.14

Providing and laying machine cut machine Polished Kota stone flooring 25mm to 30mm thick and required width in plain/ diamond pattern on bed of 1:6 C. M. including cement float, filling joints with neat cement slurry, curing, polishing and cleaning etc. complete.**It.No.33.06 P.No.265**

Rates As Per SSR 2022-23					1247.00
Add lead charges for cement	0.006	x	348.11	=	2.09
Add lead charges for sand	0.022	x	410.55	=	9.03
Add Diff.Cost Of Sand	0.022	x	110.00	=	2.42
					1260.54 sqm

Item No.15

Providing and laying **ceramic tiles of having size 30 cm x 30 cm** conforming to I.S.15622/2006 (group D II-A) and 7 to 8 mm thick **for flooring** in required position laid on a bed of 1:4 cement mortar including cement float, filling joint with white/colour cement slurry cleaning curing etc. complete. **It.No.33.24 P.No.268**

Rates As Per SSR 2022-23					1182.00
Add lead charges for cement	0.01	x	348.11	=	3.48
Add lead charges for sand	0.017	x	410.55	=	6.98
Add Diff.Cost Of Sand	0.017	x	110.00	=	1.87
					= 1194.33 sqm

Item No.16

Providing and laying **ceramic tiles of having size 30 cm. x 30 cm.** and conforming to corresponding I.S. **for dado and skirting** in required position with readymade adhesive mortar of approved quality on **plaster of 1:2 cement mortar** including joint filling with white/ colour cement slurry cleaning curing etc. complete. **It.No.33.25 It.No.269**

Rates As Per SSR 2022-23					1255.00
Add lead charges for cement	0.01	x	348.11	=	3.48
Add lead charges for sand	0.017	x	410.55	=	6.98
Add Diff.Cost Of Sand	0.017	x	110.00	=	1.87
					= 1267.33 sqm

Item No.17

Providing and laying **machine cut machine polished shahabad Stone slabs 20 to 25mm thick for treads and risers of steps and staircases, with rounded nosing for the treads on a bed of 1:4 cement mortar** including cement float, filling joints with neat cement slurry, curing, polishing and cleaning etc. complete. **It.No.33.17 P.No.267**

Rates As Per SSR 2022-23					1125.00
Add lead charges for cement	0.009	x	348.11	=	3.13
Add lead charges for sand	0.02	x	410.55	=	8.21
Add Diff.Cost Of Sand	0.020	x	110.00	=	2.20
					= 1138.54 sqm

Deputy Engineer
Z.P. (Work) Sub div.Ashti

Name of work :- Construction Of Bharat Nirman Rajiv Gandhi Seva Bhawan At _____ Tq.Ashti Dist.Beed.

UNDER :- M.G.N.R.E.G.A 2022-23 (G.P Level 50% Funds)

Measurement

Item No. 1 Excavation for foundation in earth. Soils of all types including removing the excavated material upto a distance of 50 m. beyond the building area stacking and spreading as directed, preparing the bed for the foundation and necessary back filling, ramming, watering etc. **It.no.21.02 P.No.187**

For column

Column	20	X	1.50	X	1.50	X	0.90	=	40.50
For Septic Tank	2	x	2.00	x	1.20	x	0.90	=	4.32
For Step	1	x	1.50	x	1.80	x	0.60	=	1.62
Flag Post	1	x	1.40	x	1.40	x	0.30	=	0.59
									47.03 Cum

Item No. 2 Excavation for foundation in Hard Murum including removing the excavated material upto a distance of 50 m. beyond the building area stacking and spreading as directed, preparing the bed for the foundation and necessary back filling, ramming, watering etc. **It.no.21.06 P.No.187**

For column

Column	20	X	1.50	X	1.50	X	0.60	=	27.00
For Septic Tank	2	x	2.00	x	1.20	x	0.60	=	2.88
									29.88 Cum

Item No. 3 Providing soling using 80 mm size trap metal in 15 cm. layer including filling voids with Crushed sand/ grit, ramming, watering etc. complete. **It.No.21.40 P.No.157**

For Step	1	X	1.50	X	1.80	X	0.15	=	0.41
Flag Post	1	x	1.40	x	1.40	x	0.15	=	0.29
									0.70 Cum

Item No. 4 Providing and laying Cast in situ/ Ready Mix **cement concrete in M-10** of trap/ granite/ quartzite/ gneiss metal for **foundation and bedding** including baling out water, formwork, laying/ pumping, compacting, roughening them if special finish is to be provided, finishing if required and curing complete, with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer / concrete Batch mix plant (Pan mixer) etc. complete. With natural sand/ V.S.I. quality Artificial Sand **It.No.24.01 P.No.176**

Column	20	X	1.50	X	1.50	X	0.15	=	6.75
For Septic Tank	2	x	2.00	x	1.20	x	0.15	=	0.72
Hall	1	x	10.97	x	3.80	x	0.100	=	4.17
Sarpach Cabin & IT	2	x	4.50	x	4.30	x	0.100	=	3.87
Gramsevak/Talath	2	x	4.50	x	3.00	x	0.100	=	2.70
Toilet	2	x	0.90	x	1.20	x	0.100	=	0.22
Steps	1	x	1.50	x	1.80	x	0.15	=	0.41
Passage	1	x	1.50	x	7.99	x	0.100	=	1.20
	1	x	8.10	x	0.9	x	0.100	=	0.73
Flag Post	1	x	1.40	x	1.40	x	0.15	=	0.29
									21.05 Cum

Item No. 5 Providing and laying in situ/ Ready Mix **cement concrete M-20** of trap/ granite / quartzite/ gneiss metal for **R.C.C. work in foundations** like raft, strip foundations, grillage and footings of R.C.C. columns and steel stanchions etc. including baling out water, formwork, laying/ pumping cover blocks, compacting and curing roughening the surface if special finish is to be provided (Excluding reinforcement and structural steel) etc. complete, with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer / concrete Batch mix plant (Pan mixer) etc. complete. With natural sand/ V.S.I. quality Artificial Sand **It.No.25.11 P.No.180**

For column footing

Column	20	X	0.90	X	0.90	X	0.30	=	4.86
	20	x	0.75	x	0.75	x	0.25	=	2.81
									7.67 Cum

Item No. 6 Providing and laying Cast in situ/ Ready Mix **cement concrete M-20** of trap / granite / quartzite/ gneiss metal **for R.C.C. columns** as per detailed designs and drawing or as directed including centering, formwork, cover blocks, laying/ pumping, compact ion finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete.(Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer / concrete Batch mix plant (Pan mixer) etc. complete. With natural sand/ V.S.I. quality Artificial Sand (

Column									
Upto Plinth									
C	20	X	0.23	X	0.45	X	2.00	=	4.14
Plinth To Roof									
C	20	X	0.23	X	0.45	X	3.30	=	6.83
									10.97 Cum

Item No. 7 Providing and laying Cast in situ/ Ready Mix **cement concrete M-20** of trap / granite / quartzite/ gneiss metal **for R.C.C. beams and lintels** as per detailed designs and drawings or as directed including centering, formwork, cover blocks, laying/ pumping, compact ion and roughening the surface if special finish is to be provided and curing etc. complete.(Excluding reinforcement and structural steel). with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer / concrete Batch mix plant (Pan mixer) etc. complete. With natural sand/ V.S.I. quality Artificial Sand (

Plinth Beam

B1	4	X	5.04	X	0.23	X	0.45	=	2.09
B2	3	X	3.80	X	0.23	X	0.38	=	1.00
B3	4	X	0.90	X	0.23	X	0.30	=	0.25
B4	6	X	4.06	X	0.23	X	0.38	=	2.13
B5	4	X	3.00	X	0.23	X	0.38	=	1.05
B6	4	X	4.30	X	0.23	X	0.38	=	1.50
B7	3	X	1.50	X	0.23	X	0.30	=	0.31
B8	2	X	2.85	X	0.23	X	0.30	=	0.39
B9	2	X	3.00	X	0.23	X	0.30	=	0.41

Lintel Band

B1	4	X	5.04	X	0.23	X	0.150	=	0.70
B2	3	X	3.80	X	0.23	X	0.150	=	0.39
B3	4	X	0.90	X	0.23	X	0.150	=	0.12
B4	6	X	4.06	X	0.23	X	0.150	=	0.84
B5	4	X	3.00	X	0.23	X	0.150	=	0.41
B6	4	X	4.30	X	0.23	X	0.150	=	0.59
B7	1	X	1.50	X	0.23	X	0.150	=	0.05

Floor Beam

B1	4	X	5.04	X	0.23	X	0.325	=	1.51
B2	3	X	3.80	X	0.23	X	0.255	=	0.67
B3	4	X	0.90	X	0.23	X	0.175	=	0.14
B4	6	X	4.06	X	0.23	X	0.225	=	1.26
B5	4	X	3.00	X	0.23	X	0.255	=	0.70
B6	4	X	4.30	X	0.23	X	0.255	=	1.01
B7	3	X	1.50	X	0.23	X	0.175	=	0.18
B8	2	X	2.85	X	0.23	X	0.175	=	0.23
B9	2	X	3.00	X	0.23	X	0.175	=	0.24

18.19 Cum

Item No. 8 Providing and laying Cast in situ/Ready Mix **cement concrete M- 20** of trap/ granite/ quartzite/ gneiss metal **for R.C.C. chajja** as per detailed design and drawings including centering, formwork, cover blocks compacting , curing , finishing and roughening the surface if special finish is to be provided and curing complete. (Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With natural sand/V.S.I. quality Artificial Sand **It.No.26.05 P.No.193**

W	4	x	1.35	x	0.45	x	0.075	=	0.18
W1	10	x	1.20	x	0.45	x	0.075	=	0.41
									0.59 Cum

Item No. 9 Providing and laying Cast in situ/Ready Mix **cement concrete M- 20** of trap/ granite / quartzite/ gneiss metal **for R.C.C. slabs** and landings as per detailed designs and drawings including centering, formwork, cover blocks, laying/pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete,(Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With natural sand/V.S.I. quality Artificial Sand

Slab									
GP Building	1	X	11.42	X	13.15	X	0.125	=	18.77
Poarch	1	x	3.46	x	3.23	x	0.125	=	1.40
Septic Tank	2	x	2.00	x	1.40	x	0.125	=	0.70
									20.87 Cum

Item No.10 Providing and fixing in position TMT - FE - 500 bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams columns, canopies, staircase, newels, chajjas, lintels pardis, copings, fins, arches etc. as per detailed designs, drawings and schedules. including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required complete.Itno.26.33 p.no.236

TMT	Qty		Kg. / Cum						
	Cum								
footings	7.67	X	50.00					=	383.63
columns	10.97	X	100.00					=	1097.10
beams	18.19	X	100.00					=	1818.86
slab	20.87	X	70.00					=	1460.80
Chajja	0.59	X	80.00					=	46.98
									4807.37
									4.807 M.T.
								=	4.81 M.T

Item No.11 Providing second class Burnt Br ick masonry wi th convent ional/ I.S.type br icks incement mor tar 1:6 in foundat ions and plinth of innerwalls/ in plinth external walls including bai ling out water manually ,st r iking joints on unexposed faces, raking out joints on exposed facesand water ing etc. Complete. It.no.27.01 P.no.254

Plinth										
	B1	4	X	5.04	X	0.23	X	0.750	=	3.48
	B2	3	X	3.80	X	0.23	X	0.820	=	2.15
	B3	4	X	0.90	X	0.23	X	0.900	=	0.75
	B4	6	X	4.06	X	0.23	X	0.820	=	4.59
	B5	4	X	3.00	X	0.23	X	0.820	=	2.26
	B6	4	X	4.30	X	0.23	X	0.820	=	3.24
	B7	1	X	1.50	X	0.23	X	0.900	=	0.31
Sep.Tank										
	4	x	2.00	x	0.23	x	1.45	=	2.67	
	4	x	0.94	x	0.23	x	1.45	=	1.25	
	4	x	0.94	x	0.10	x	1.45	=	0.55	
Step1	1	X	1.50	X	1.80	X	0.30	=	0.81	
Step2	1	X	1.50	X	1.50	X	0.15	=	0.34	
Step3	1	x	1.50	x	1.20	x	0.15	=	0.27	
Step4	1	X	1.50	X	0.90	X	0.15	=	0.20	
Step5	1	x	1.50	x	0.60	x	0.15	=	0.14	
Step6	1	x	1.50	x	0.30	x	0.15	=	0.07	
Flag Post	2	x	1.20	x	0.15	x	0.30	=	0.11	
	2	x	0.80	x	0.15	x	0.30	=	0.07	
	2	x	0.90	x	0.15	x	0.20	=	0.05	
	2	x	0.50	x	0.15	x	0.20	=	0.03	

	2	x	0.75	x	0.15	x	0.20	=	0.05
	2	x	0.45	x	0.15	x	0.20	=	0.03
									23.41 Cum

Item No. 12 Filling in plinth and floors with contractors material/ brought from outside and approved by Engineer in charge in layers of 15 cm to 20cm including watering and compaction etc. complete. It.No.21.37 P.No.201

Hall	1	x	10.97	x	3.80	x	1.200	=	50.02
Sarpach Cabin & II	2	x	4.50	x	4.30	x	1.200	=	46.44
Gramsevak/Talath	2	x	4.50	x	3.00	x	1.200	=	32.40
Passage	1	x	1.50	x	7.99	x	1.200	=	14.38
	1	x	8.10	x	0.9	x	1.200	=	8.75
									151.99
									151.99 Cum

Item No. 13 Providing second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in superstructure including striking joints, raking out joints, watering and scaffolding etc. Complete. It.No.27.05 P.no.254

In SuperStructure									
B1	4	X	5.04	X	0.23	X	2.975	=	13.79
B2	3	X	3.80	X	0.23	X	3.045	=	7.98
B3	4	X	0.90	X	0.23	X	3.125	=	2.59
B4	6	X	4.06	X	0.23	X	3.045	=	17.06
B5	4	X	3.00	X	0.23	X	3.045	=	8.40
B6	4	X	4.30	X	0.23	X	3.045	=	12.05
									61.88
Deduction Of Door &									
D	2	x	1.20	x	0.23	x	2.10	=	1.16
D1	4	x	1.00	x	0.23	x	2.10	=	1.93
D2	2	x	0.75	x	0.23	x	2.10	=	0.72
W	4	x	1.50	x	0.23	x	1.20	=	1.66
W1	10	x	0.90	x	0.23	x	1.20	=	2.48
V	2	x	0.45	x	0.23	x	0.60	=	0.12
									8.08
Deduction Of Lintel Bar									
									3.11 cum
									50.68 Cum

Item No. 14 Providing internal cement plaster 12mm thick in single coat in cement mortar 1:3 without neeru finish to concrete or brick surfaces, in all position including scaffolding and curing etc. complete. It.No.32.05 P.No.260

Hall	1	x	2	X	10.97	+	3.80	X	3.30	=	97.48
Sarpach Cabin & II	2	x	2	X	4.50	+	4.30	X	3.30	=	116.16
Gramsevak/Talath	2	x	2	X	4.50	+	3.00	X	3.30	=	99.00
Toilet	2	x	2	X	0.90	+	1.20	X	3.3	=	27.72
Passage	1	x	2	x	7.99	x	3.30			=	52.73
	4	x	1	X	3.30	x	3.30			=	43.56
	1	x	2	X	0.90	x	3.30			=	5.94
Septic Tank	6	x	2	X	1.34	+	0.94	X	1.45	=	39.67
Flag Post	To	1	x	1.20	x	1.20				=	1.44
	Sid	4	x	1.20	x	0.60				=	2.88
											486.59 sqm
Deduction Of Door &											

D	2	x	1.20	x	2.10	=	5.04	
D1	4	x	1.00	x	2.10	=	8.40	
D2	2	x	0.75	x	2.10	=	3.15	
W	4	x	1.50	x	1.20	=	7.20	
W1	10	x	0.90	x	1.20	=	10.80	
V	2	x	0.45	x	0.60	=	0.54	
							35.13	
Total							=	451.46 Cum

Item NO.15 Providing fine cement finish 1.5 mm thick over green plaster surface including scaffolding curing etc. complet It.No.32.21 P.No.225

Inside

Side	6	x	2	X	1.34+0.94	X	1.45	=	39.67
Bottom	2	x	3	X	1.34	X	0.94	=	7.56
									47.23 Sqm

Item No. 16 Providing **sand faced plaster externally in cement mortar** using approved screened sand, in all positions including base coat of 15 mm thick in cement mortar 1:4 using waterproofing compound at 1 kg per cement bag curing the same for not less than 2 days and keeping the surface of the base coat rough to receive the sand faced treatment 6 to 8 mm thick in cement mortar 1:4 finishing the surface by taking out grains and curing for fourteen days scaffolding etc.complete.**It.No.32.11 P.No.224**

Outside

	2	x	11.42+13.15	x	4.50	=	221.13	
Total							=	221.13 Sqm

Item No. 17 Providing sills of required material 20mm to 25mm thick, on a bed of cement mortar 1:4 including cement float, filling joints with neat cement slurry, curing, polishing, rounding edges, cleaning complete. **b) Granite It.No.33.22 P.No.268**

Window Granit

W	4	x	2.00	x	1.50+1.20	x	0.23	=	4.97
W1	10	x	2.00	x	0.90+1.20	x	0.23	=	9.66
Total							=	14.63 Sqm	

Item No. 18 Providing and laying machine cut machine Polished Kota stone flooring 25mm to 30mm thick and required width in plain/ diamond pattern on bed of 1:6 C. M. including cement float, filling joints with neat cement slurry, curing, polishing and cleaning etc. complete.It.No.33.06 P.No.265

Flooring

Hall	1	x	10.97	x	3.80	=	41.69
Sarpach Cabin & II	2	x	4.50	x	4.30	=	38.70
Gramsevak/Talath	2	x	4.50	x	3.00	=	27.00
Passage	1	x	1.50	x	7.99	=	11.99
	1	x	8.10	x	0.9	=	7.29
							126.66 sqm

Item No.19 Providing and laying ceramic tiles of having size 30 cm x 30 cm confirming to I.S.15622/2006 (group D II-A) and 7 to 8 mm thick for flooring in required position laid on a bed of 1:4 cement mortar including cement float, filling joint with white/colour cement slurry cleaning curing etc. complete. It.No.33.24 P.No.231

Toilet Flooring	2	x	0.9	x	1.2	=	2.16
							2.16 Sqm

Item No. 20 Providing and laying ceramic tiles of having size 30 cm. x 30 cm. and confirming to corresponding I.S. for dado and skirting in required position with readymade adhesive mortar of approved quality on plaster of 1:2 cement mortar including joint filling with white/ colour cement slurry cleaning curing etc. complete.It.No.33.25 It.No.231

WC										
Dado	2	x	2	x	0.9	x	1.8	=	6.48	
	2	x	2	x	1.2	x	1.8	=	8.64	
									15.12	
Deduction										
D2	1	x	2	x	0.75	x	1.8	=	2.7	
							Total	=	12.42	Sqm

Item No. 21 Providing and fixing solid core flush door shutter commercial in single leaf 32 mm thick without ventilator commercial type of exterior grade as per detailed drawings with wrought iron hold fast, stainless steel fixtures and fastenings and handles on both sides and finishing with oil painting 3 coats complete. **It.No.39.10 P.No.308**

D	2	x	1.08	x	1.98	=	4.28	
D1	4	x	0.88	x	1.98	=	6.97	
D3	2	x	0.63	x	1.98	=	2.49	
							13.74	Sqm

Item No. 22 Providing and fixing in position (as per 1868 / 1982) **Alluminium sliding window** of three tracks with rectangular pipe 95 x 38.10 x 0.90 mm at weight 0.637 kg/Rmt. with window rame bottom track section 92 x 31.75 x 1.30 mm at weight 1.070 kg/Rmt.. Top and side track section 92 x 31.75 x 1.30mm at weight 0.933 kg/Rmt. The shutter should be of bearing bottom 40 x 18 x 1.25 mm at weight 0.417 kg/Rmt. Inter locking section 40 x 18 x 1.10 mm at weight 0.469 kg/Rmt. and handle and top section 40 x 18 x 1.25 mm at weight o.417 kg/Rmt. As per detailed drawings and as directed by Engineerincharge with all necessary Aluminium sections fixtures and fastenings such as roller bearing in nylon casting and self locking catch fitted in **It.No.39.41 P.No.269**

W	4	X	1.5	X	1.2	=	7.2	
W1	10	X	0.9	X	1.2	=	10.8	
							18	Sqm

Item No. 23 Providing and fixing **mild steel grill work for windows**, ventilators, etc. 15 kg/sqm as per drawing including fixtures necessary welding and painting with one coat of anticorrosive paint and two coats of oil painting complete.**It.No.40.02 P.No.281**

W	4	X	1.5	X	1.2	=	7.2	
W1	10	X	0.9	X	1.2	=	10.8	
							18	Sqm

Item No.24 Providing and fixing **frame with / without ventilator of size as specified with Country non teak wood for doors** and windowsincluding chamfering, rounding, rebating, iron holdfast of size 300mm x 40mm x 5mm with oil painting, etc. complete **It.No.39.02 P.No.260**

D	Hp	2	x	2	X	1.3	X	0.06	x	0.10	=	0.03	
	Vp	2	x	2	X	1.98	X	0.06	x	0.10	=	0.05	
D1	Hp	4	x	2	X	1.1	X	0.06	x	0.10	=	0.05	
	Vp	4	x	2	X	1.98	X	0.06	x	0.10	=	0.10	
D2	Hp	2	x	2	X	0.85	X	0.06	x	0.10	=	0.02	
	Vp	2	x	2	X	1.68	X	0.06	x	0.10	=	0.04	
												0.29	Sqm

Item No. 25 Providing and fixing in position powder coated aluminium louvered windows / ventilator of various sizes with powder coating as per detailed drawing and specifications including aluminium frames 80 x 38 mm x 1.22 mm box type, 5 mm thick sheet glass louvers, of approved quality etc. complete..

It.No.39.68 P.No.323

V		2	X	0.45	X	0.6					=	0.54	
												0.54	Sqm

Item No.26 Providing and fixing collapsible steel gate in one / two leaves with hot rolled vertical channels of 18 x 9 x 3 mm minimum size, crossings of M.S. flats of size 18 x 5 mm T or E section for runner of minimum 40 x 6 mm size for flange, M.S. flat for top runner of minimum size 40 x 12 mm with roller wheels conforming to grade F.G. 150 fitted with snap headed rivets of minimum size 6 mm max. spacing of vertical channels be 100 mm enclosed gate position and clear space of 150 mm between two sets of crossings with hold fasts, stoppers, spaces, handles, locking arrangement and one coat of red lead primer and oil painting etc. complete. (I.S. 105211983). **It.No.39.26 P.No.312**

CG		1	x	1.5	x	2.1					=	3.15	sqm
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Item No.27 Providing and applying white-wash in two coats on old / new plastered or masonry surfaces and asbestos cement sheets including scaffolding and preparing the surface by brushing and brooming down etc. complete..**It.No.36.03 P.No.290**

Hall		1	x	2	X	10.97	+	3.80	X	3.30	=	97.48	
Sarpach Cabin & II		2	x	2	X	4.50	+	4.30	X	3.30	=	116.16	
Gramsevak/Talath		2	x	2	X	4.50	+	3.00	X	3.30	=	99.00	
Toilet		2	x	2	X	0.90	+	1.20	X	3.3	=	27.72	
Passage		1	x	2	x	7.99	x	3.30			=	52.73	
		4	x	1	X	3.30	x	3.30			=	43.56	
		1	x	2	X	0.90	x	3.30			=	5.94	
												442.60	sqm

Deduction Of Door & 1

D		2	x	1.20	x	2.10					=	5.04
D1		4	x	1.00	x	2.10					=	8.40
D2		2	x	0.75	x	2.10					=	3.15
W		4	x	1.50	x	1.20					=	7.20
W1		10	x	0.90	x	1.20					=	10.80
V		2	x	0.45	x	0.60					=	0.54
												35.13

Total = **407.47** Sqm

Item No. 28 Providing and applying **plastic emulsion paint of approved quality, colour and shade to new surface in three coats** including scaffolding, preparing the surface. (excluding primer coat) etc. complete **It.No.36.14 P.No.244**

Inside Colour

Hall		1	x	2	X	10.97	+	3.80	X	3.30	=	97.48	
Side		2	x	2	X	4.50	+	4.30	X	3.30	=	116.16	
Bottom		2	x	2	X	4.50	+	3.00	X	3.30	=	99.00	
Toilet		2	x	2	X	0.90	+	1.20	X	3.3	=	27.72	
Passage		1	x	2	x	7.99	x	3.30			=	52.73	
		4	x	1	X	3.30	x	3.30			=	43.56	
		1	x	2	X	0.90	x	3.30			=	5.94	
												442.60	sqm

Deduction Of Door &'

D	2	x	1.20	x	2.10	=	5.04
D1	4	x	1.00	x	2.10	=	8.40
D2	2	x	0.75	x	2.10	=	3.15
W	4	x	1.50	x	1.20	=	7.20
W1	10	x	0.90	x	1.20	=	10.80
V	2	x	0.45	x	0.60	=	0.54

35.13

407.47	Sqm
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Item No.29 Providing and applying two coats of exterior acrylic emulsion paint confirming to corresponding I.S. of approved manufacture and of approved colour to the plastered surfaces including cleaning ,preparing the plaster surface, applying primer coat ,scaffolding if necessary , and watering the surface for two days etc complete. It.No.35.25 P.No.244

Qty As Per It.No.

Total	=	<table border="1"><tr><td>221.13</td></tr></table>	221.13	Sqm
221.13				

Item No. 30 Providing and fixing 1st class white glazed earthenware Orissa Type **W.C. Pan 580** mm dia including P or S trap cast iron soil and vent pipe upto the outside face of the wall (1:5:1 0) cement concrete bedding 15 mm thick, 10 liter P.V.C. flushing cistern with all necessary pipe connection etc. complete. **It.No.42.30 P.No.297**

WC Pan	=	<table border="1"><tr><td>2</td></tr></table>	2	Nos.
2				

Item No. 31 Providing and constructing **Brick Masonry Inspection Chamber 60cm x 45cm x 90cm** including 1:4:8 cement concrete foundation 1:2:4 cement concrete channels half round G.S.W. pipes, Brick Masonry, plastering from inside and with frame fixed in cement concrete with R.C.C. Cover medium duty 140 kg with frame etc complete. **It.No.42.12 P.No.294**

2	Nos.
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Item No. 32 Providing and fixing **100 mm dia stabiliser pipe/ P.V.C. soil vent/waste pipe** and with necessary fixtures and fitting such as bends, tees, single junctions, slotted vent, clamps etc. complete **It.No.42.52 P.No.299**

=	<table border="1"><tr><td>6</td></tr></table>	6	M
6			

Item No. 33 Providing and fixing on walls/ ceiling/ floor 15 mm dia. CPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete.**It.No.42.55 P.No.353**

15mm dia.	=	<table border="1"><tr><td>6</td></tr></table>	6	Rgm
6				

Item No. 34 Providing and fixing on walls/ceiling/floor 20 mm dia. CPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete.**It.No.42.56 P.No.351**

20 mm dia.	=	<table border="1"><tr><td>8</td></tr></table>	8	Rgm
8				

Item No. 35 Providing and fixing screw down 15 mm dia. wheeled stop tap of brass including necessary sockets/union nut complete**It.No.41.43 P.No.337**

=	<table border="1"><tr><td>4</td></tr></table>	4	Nos
4			

Item No. 36 Providing and fixing coloured glazed earthenware Wash Hand Basin of 55cm x 40 cm size including cold water pillar tap/cold and hot water pillar tap brackets, rubber plugs and brass chain, stop tap and necessary pipe connection including P.V.C. waste pipe and trap up to the outside face of the wall. Making good the damaged surface, testing etc. complete. **It.No.41.66 P.No.340**

= Nos

Item No. 37 Providing and fixing 15 mm dia. screw down bib/ stop tap of brass including necessary socket union nut complete. **It.No.41.40 P.No.288**

= Nos

Item No.38 Providing and fixing in position UPVC ultra violet stabilized 110 mm outer diameter cowl dome conforming to I.S.-4985 including making joints with solvent cement etc. complete **It.No.43.25 P.No.309**

**Insepection
Septic Tank**

= 2
= 2
= Nos

Item No. 39 Providing and fixing H.D.P container Syntex or alike one piece moulded water tank made out of low density polythylar and built corrugation including of delivery up to destination hoisting and fixing of accessories such as inlet, outlet overflow of all tanks capacity above 1000 to 20,000 litres **It.No.42.54 P.No.303**

= Ltr

Item No. 40 Supplying and fixing G.I. Pipe 50 mm diameter heavy type drilled on top and painted with one coat of epoxy primer and two coats of epoxy finish paint having black and white bands of 25 cm, last part of the post 0.75 mt. below ground level is painted with three coats of red lead paint with two One Number of high tensile G.I. bolt and nut of size 10 mm die of 25 mm long including transportation etc. complete **It.No.52.47 P.No.570**

For Flag Post

= M

Item No.41 Testing Charges

A) Compressive Strenght Of CC Cube

= Nos

Item No.42 Royalty Chz

For Above 40
Sand
Murum

= 0.70
= 74.64
= 151.99

= cum

Item No.43 GST

=

Item No.44 Add Labour Insurance

=

Deputy Engineer
Z.P. (Work) Sub div.Ashti

Name of work :- Construction Of Bharat Nirman Rajiv Gandhi Seva Bhawan At
_____ Tq.Ashti Dist.Beed.

UNDER :- M.G.N.R.E.G.A 2022-23 (G.P Level 50% Funds)

Lead Chart

Sr.No	Material	Quarry	Lead in Kms	Lead Charges	Pay Load Factor	Net Lead Charges
1	40mm & 60 mm Metal	-----	15	2360.66	6.00	393.44
1	Metal Below 40mm	-----	15	2360.66	5.75	410.55
3	Sand	-----	15	2360.66	5.75	410.55
4	Murum	Local	2.5	1270.05	6.00	211.68
5	Steel	-----	20	3481.08	10.00	348.11
6	Cement	-----	20	3481.08	10.00	348.11
7	Brick	-----	20	3481.08	3.105	1121.12

CERTIFICATE

- 1 Certified that no construction material is available at lasser distance than above shown leads.
- 2 Certified that good quality and sufficient quantity material available in shown quarry.
- 3 Certified that the distances shown above are verified by me and found correct.

प्रमाणपत्र

प्रमाणित करण्यात येते कि, अंदाजपत्रकात प्रस्तावित करण्यात आलेले काम इतर कोणत्याही योजनेतून झालेले नाही किंवा प्रस्तावित करण्यात आलेले नाही.
करिता प्रमाणपत्र देण्यात येत आहे.

Deputy Engineer
Z.P. (Work) Sub div.Ashti

Name of work :- Construction Of Bharat Nirman Rajiv Gandhi Seva Bhawan At _____ Tq.Ashti Dist.Beed.

UNDER :- M.G.N.R.E.G.A 2022-23 (G.P Level 50% Funds)

Material Requirement As per THEROTICAL CONSUMPTION

Sr.no.	DESCRIPTION	As per Estimate			Cement		Metal				Sand		Steel		Murum		Brick		Unit
		Qty	Rate	Amount	Rate of Consumption	Total cement in bag	Rate of consumption in below 40mm stone	Total below 40mm stone	Rate of consumption in 40 mm & above stone	Total 40mm & above stone	Rate of consumption	Sand in cum	H.Y.S.D	Mild	Rate of consumption	Murum in cum	Rate of consumption	Total Brick in No.	
1	2	3	4	5	6	7	8	9	10	11	12	13							14
1	Item No.3 Providing soling using 80 mm size trap metal in 15 cm. layer including filling voids with Crushed sand/ grit, ramming, watering etc. complete.It.No.21.40 P.No.157	0.70	-	0.00					1.00	0.70	0.15	0.1049							
2	Item No.4 Providing and laying Cast in situ/ Ready Mix cement concrete in M-10 of trap/ granite/ quartzite/ gneiss metal for foundation and bedding including baling out water, formwork, laying/ pumping, compacting, roughening them if special finish is to be provided, finishing if required and curing complete, with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer / concrete Batch mix plant (Pan mixer) etc. complete. With natural sand/ V.S.I. quality Artificial Sand It.No.24.01 P.No.176	21.05	-	0.00	4.40	92.62	0.24	5.05	0.70	14.74	0.425	8.9467							
3	Item No.5 Providing and laying in situ/ Ready Mix cement concrete M-20 of trap/ granite/ quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. columns and steel stanchions etc. including baling out water, formwork, laying/ pumping cover blocks, compacting and curing roughening the surface if special finish is to be provided (Excluding reinforcement and structural steel) etc. complete, with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer / concrete Batch mix plant (Pan mixer) etc. complete. With natural sand/ V.S.I. quality Artificial Sand It.No.25.11 P.No.180	7.67	-	0.00	7.00	53.7075	0.85	6.52			0.425	3.2608							
4	Item No.6 Providing and laying Cast in situ/ Ready Mix cement concrete M-20 of trap/ granite/ quartzite/ gneiss metal for R.C.C. columns as per detailed designs and drawing or as directed including centering, formwork, cover blocks, laying/ pumping, compacting finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete.(Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer / concrete Batch mix plant (Pan mixer) etc. complete. With natural sand/ V.S.I. quality Artificial Sand it no.25.31 p.no.183	10.97	-	0.00	7.00	76.797	0.85	9.33			0.425	4.6627							
5	Item No.7 Providing and laying Cast in situ/ Ready Mix cement concrete M-20 of trap/ granite/ quartzite/ gneiss metal for R.C.C. beams and lintels as per detailed designs and drawings or as directed including centering, formwork, cover blocks, laying/ pumping, compacting and roughening the surface if special finish is to be provided and curing etc. complete.(Excluding reinforcement and structural steel). with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer / concrete Batch mix plant (Pan mixer) etc. complete. With natural sand/ V.S.I. quality Artificial Sand (I.NO.25.50, P.NO.186)	18.19	-	0.00	7.00	127.320088	0.85	15.46			0.425	7.7301							
6	Item No.8 Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap/ granite/ quartzite/ gneiss metal for R.C.C. chajja as per detailed design and drawings including centering, formwork, cover blocks compacting, curing, finishing and roughening the surface if special finish is to be provided and curing complete. (Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer / concrete Batch mix plant (Pan mixer) etc.	0.59	-	0.00	7.00	4.11075	0.85	0.50			0.425	0.2496							

7	Item No.9 Providing and laying Cast in situ/Ready Mix cement concrete M- 20 of trap/ granite / quartzite/ gneiss metal for R.C.C. slabs and landings as per detailed designs and drawings including centering, formwork, cover blocks, laying/pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete.(Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With natural sand/V.S.I. quality Artificial Sand It.No.25.70 P.No.190	20.87	-	0.00	7.00	146.0802	0.85	17.74			0.425	8.8692							
9	Item No.11 Providing second class Burnt Brick masonry with conventional/ I.S.type bricks in cement mortar 1:6 in foundations and plinth of innerwalls/ in plinth external walls including baling out water manually, striking joints on unexposed faces, raking out joints on exposed faces and water ing etc. Complete. It.no.27.01 P.no.254	23.41			1.58	36.98845728					0.32	7.4913							
11	Item No. 12 Filling in plinth and floors with contractors material/ brought from outside and approved by Engineer incharge in layers of 15 cm to 20cm including watering and compact ion etc. complete.It.No.21.37 P.No.201	151.99	-											1	151.99				
12	Item No. 13 Providing second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in superstructure including striking joints, raking out joints, watering and scaffolding etc. Complete.It.No27.05 P.no.254	50.68			1.58	80.08					0.32	16.219							
15	Item No. 16 Providing sand faced plaster externally in cement mortar using approved screened sand, in all positions including base coat of 15 mm thick in cement mortar 1:4 using waterproofing compound at 1 kg per cement bag curing the same for not less than 2 days and keeping the surface of the base coat rough to receive the sand faced	221.13			0.24	53.0712					0.033	7.2973							
16	Item No. 14 Providing internal cement plaster 12mm thick in single coat in cement mortar 1:3 without neeru finish to concrete or brick surfaces, in all position including scaffolding and curing etc. complete It.No.32.05 P.No.260	451.46			0.14	63.20412					0.015	6.7719							
17	Item No. 19 Providing and laying ceramic tiles of having size 30 cm x 30 cm confirming to I.S.15622/2006 (group D II-A) and 7 to 8 mm thick for flooring in required position laid on a bed of 1:4 cement mortar including cement float, filling joint with white/colour cement slurry cleaning curing etc. complete. It.No.33.24 P.No.231	2.16			0.2	0.432					0.017	0.0367							
18	Item No. 20 Providing and laying ceramic tiles of having size 30 cm. x 30 cm. and confirming to corresponding I.S. for dado and skirting in required position with readymade adhesive mortar of approved quality on plaster of 1:2 cement mortar including joint filling with white/ colour cement slurry cleaning curing etc. complete.It.No.33.25 It.No.231	12.42			0.2	2.484					0.017	0.2111							
20	Item No. 18 Providing and laying machine cut machine Polished Kota stone flooring 25mm to 30mm thick and required width in plain/ diamond pattern on bed of 1:6 C. M. including cement float, filling joints with neat cement slurry, curing, polishing and cleaning etc. complete.It.No.33.06 P.No.265	126.66			0.12	15.19932					0.022	2.7865							
						752.1005524		54.60			0.70	74.638						151.99	

37.60502762

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