

Tender Inviting Authority : Executive Engineer,Z.P.Works Division,Nagpur.							
<b>NAME OF WORK</b>							
<b>NAME OF WORK :: CONSTRUCTION OF SAMAJBHAVAN AT RANALA ,TALUKA - KAMPTEE ,DIST-NAGPUR.</b>							
Contract No. : Civil Works							
Bidder Name :						Excess ( + )	%

### SCHEDULE OF WORKS

( This BOQ template must not be modified /replaced by the bidder and the same should be uploaded after filling the relevent columns, else the bidder is liable to be rejected for this tender.Bidders are allowed to enter the Bidder Name and Values only )

Sr. No	Item of Work	Quantity	Unit	Estimated Rate		Amount
				In Figure	In Words	
1	2	3	4	5	6	7
1	Excavation for foundation in earth, soil of all types, sand, gravel and soft murum, including removing the excavated material up to a distance of 50 m. beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift upto 1.5 m.) By Mechanical Means	55.74	One Cubic Metre	207.00	Rupees two hundred seven and paise nil only	11538.00
2	Excavation for foundation in earth, soils of all types, sand,gravel and soft murum, including removing the excavated material upto a distance of 50 metres beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift from 1.5m to 3.0m) By Mechanical Means	33.44	One Cubic Metre	258.00	Rupees two hundred fifty-eight and paise nil only	8628.00
3	Transportation of material obtained from debris of various sorts including necessary excavation/ loosing including loading, unloading and conveying and disposing as directed.	0.00	One Running Meter	252.00	Rupees two hundred fifty-two and paise nil only	0.00
4	Providing soling using 80 mm size trap metal in 15 cm. layer including filling voids with Crushed sand/grit, ramming, watering etc. complete.	5.57	One Cubic Metre	2048.30	Rupees two thousand forty-eight and paise thirty only	11409.00
5	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, Steel centering, 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 fine aggregate (Crushed sand VSI Grade)	3.72	One Cubic Metre	6416.45	Rupees six thousand four hundred sixteen and paise forty-five only	23869.00



6	Filling in plinth and floors with approved excavated material in 15cm. to 20cm. Layers including watering and compacting etc. complete.	0.00	One Cubic Metre	120.00	Rupees one hundred twenty and paise nil only	0.00
7	Filling in plinth and floors with contractors material/brought from outside and approved by Engineer incharge in layers of 15 cm to 20 cm including watering and compaction etc. complete.	36.00	One Cubic Metre	929.75	Rupees nine hundred twenty-nine and paise seventy-five only	33471.00
8	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, Steel centering formwork, laying/pumping cover blocks, compaction 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 fine aggregate (Crushed sand VSI Grade)	21.59	One Cubic Metre	7529.30	Rupees seven thousand five hundred twenty-nine and paise thirty only	162558.00
9	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 steel 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 fine aggregate (Crushed sand VSI Grade)	6.34	One Cubic Metre	14208.30	Rupees fourteen thousand two hundred eight and paise thirty only	90081.00
10	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 steel centering, formwork, cover blocks, laying/pumping, compactionand 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 fine aggregate (Crushed sand VSI Grade)	6.26	One Cubic Metre	12694.30	Rupees twelve thousand six hundred ninety-four and paise thirty only	79466.00
11	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 steel centering, formwork, cover blocks, laying/pumping, compacting 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 fine aggregate (Crushed sand VSI Grade)	1.88	One Cubic Metre	14357.30	Rupees fourteen thousand three hundred fifty-seven and paise thirty only	26992.00

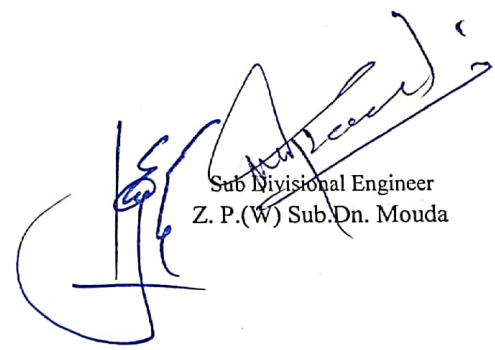
12	Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap/ granite / quartzite/ gneiss metal for R.C.C. slabs and landings as per detailed designs and drawings including steel centering, formwork, cover blocks, laying/pumping, compaction finishing the formed surfaces with cement mortar 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 fine aggregate (Crushed sand VSI Grade)	9.48	One Cubic Metre	14357.30	Rupees fourteen thousand three hundred fifty-seven and paise thirty only	136107.00
13	Providing and fixing during laying in RCC Slab rectangular 2 mm thick M.S. sheet fan hook box of size 180x100 mm with required depth with holes or notches as required, bottom and top sides of 1.6 mm M.S. sheet fixed with 3.5 mm dia. round headed screws together with 12 mm dia. M.S. bar bent to shape with hooked ends for fan hook and painting to exposed surface	4.00	One Number	397.00	Rupees three hundred ninety-seven and paise nil only	1588.00
14	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.	3.21	Metric Tonne	89838.45	Rupees eighty-nine thousand eight hundred thirty-eight and paise forty-five only	288507.00
15	Providing and laying Cast in situ/Ready Mix cement concrete in M-20 of trap/ granite/ quartzite/ gneiss metal for R.C.C.coping to plinth or parapet and sill of doors and windows moulded as per detailed drawings or chamfered as approved by the Engineer including steel centering, formwork, cover blocks, laying/pumping, compacting ,curing , finishing and roughening them 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 fine aggregate (Crushed sand VSI Grade)	0.39	One Cubic Metre	7615.30	Rupees seven thousand six hundred fifteen and paise thirty only	2970.00
16	Providing and applying water proofing treatment using acrylic polymer modified cement based water proofing coating with fibre glass mesh mixing at the rate of powder to liquid (2:1) by weight covering 9 to 10 Square Metre /Kilogram with two coat using approved chemicals for masonry and concrete surface by brush covering 7 years guarantee on Stamp Papers etc. complete.	0.00	One Square Metre	615.00	Rupees six hundred fifteen and paise nil only	0.00
17	Providing and laying mechanical protective layer over water proofing membrane with cement screed plaster 1:5 after laying chicken mesh over membrane including curing etc. complete 20 mm thick with cost of chicken mesh etc. complete and covering 7 years guarantee on court stamp paper of Rs.100/- including necessary testing specified by Engineer (Prior permission of S.E. is necessary before inclusion of this item in estimate) (Note :- This item shall be executed over item One Number 5 of BD-J Water Proofing)	0.00	One Square Metre	390.00	Rupees three hundred ninety and paise nil only	0.00

18	Providing fly ash brick masonry with conventional / I.S. type fly ash bricks in C.M. 1:6 in foundation and plinth including bailing out water manually striking joints, racking out joints watering and scaffolding etc. complete.	4.28	One Cubic Metre	7257.85	Rupees seven thousand two hundred fifty-seven and paise eighty-five only	31064.00
19	Providing fly ash 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	19.55	One Cubic Metre	7479.85	Rupees seven thousand four hundred seventy-nine and paise eighty-five only	146231.00
20	Providing internal cement plaster 12mm thick in single coat in cement mortar 1:5 without neeru finish to concrete or brick surfaces, in all positions including scaffolding and curing etc. complete.	96.31	One Square Metre	273.70	Rupees two hundred seventy-three and paise seventy only	26360.00
21	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 1Kilogramper 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.	129.48	One Square Metre	643.40	Rupees six hundred forty-three and paise forty only	83307.00
22	Providing and applying impression 24 carrat Luxury paint of approved make & approved brand Emulsion paint to interior walls and ceilings of approved quality, colour and shade to new surface in two coats, including sub surface prparation by Acrylic putty and Acrylic primer coats including scaffolding, preparing the surface. etc. complete (Low VOC).	96.31	One Square Metre	200.00	Rupees two hundred and paise nil only	19262.00
23	Providing and applying antipeel paint of approved make & approved brand exterior Emulsion paint of approved quality, colour and shade to old and new surface in two coats, including exterior acrylic primer coat, scaffolding, preparing the surface etc. complete (Heat	129.48	One Square Metre	200.00	Rupees two hundred and paise nil only	25896.00
24	Providing and fixing Country cut teak wood double or single leaf panelled shutters, 35 mm thick style top and freze rail 95 x 35 thick with lock and bottam rail 195 x 25 mm thick and panels without ventilator as per detailed drawing excluding the door frame, stainless steel fixtures and fastening and finishing the wood work with oil painting 3 coats complete	8.64	One Square Metre	9542.00	Rupees nine thousand five hundred forty-two and paise nil only	82443.00
25	Providing and fixing frame with / without ventilator of size as specified with Country cut teak wood for doors and windows including chamfering, rounding, rebating, iron holdfast of size 300mm x 40mm x 5mm with oil painting, etc. complete	0.11	One Cubic Metre	200050.00	Rupees two lakhs fifty and paise nil only	22006.00
26	Providing and fixing mild steel grill work for windows, ventilators etc. 20 Kilogram/ One Square Metre as per drawing including fixtures, necessary welding and painting with one coats of anticorrosive paint and two coats of oil painting complete.	16.20	One Square Metre	2097.00	Rupees two thousand ninety-seven and paise nil only	33971.00
27	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.	62.40	One Square Metre	1264.50	Rupees one thousand two hundred sixty-four and paise fifty only	78905.00

28	Providing and laying machine cut machine polished machine cut Kota stone slabs 20 to 25 mm 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.	16.31	One Square Metre	1589.65	Rupees one thousand five hundred eighty-nine and paise sixty-five only	25927.00
29	Providing Mirror polishing to Kota Stone including using all necessary stones and equipments cleaning, washing etc. complete. For Flooring	60.00	One Square Metre	149.00	Rupees one hundred forty-nine and paise nil only	8940.00
30	Providing Mirror polishing to Kota Stone including using all necessary stones and equipments cleaning, washing etc. complete. For Skirting	3.20	One Running Metre	79.00	Rupees seventy-nine and paise nil only	253.00
31	Providing and fixing heavy duty inter locking concrete Rubber mould glossy paving blocks of 80 mm thickness of having a strength of 400 Kilogram/Sq.cm. of approved quality and shape on a bed of crushed sand of 25 to 30 mm thick including skirting joints and cleaning etc. complete. (using 100% crushed sand)	0.00	One Square Metre	1404.45	Rupees one thousand four hundred four and paise forty-five only	0.00
32	Providing and fixing P.V.C. Rain water pipes of 110mm outer diameter and having wall thickness of 2.2 to 2.7 mm conforming to I.S. 13592-1992 including proper rainwater receiving recess with P.V.C. plug, bend, necessary fittings, such as, offsets, shoes, including fixing the pipe on wall using approved wooden cleats projecting 25mm to 40mm from face of wall a fixing with clips of approved quality and One Number ,filing the joint using rubber gasket with solvent cement and properly resting the shoe of pipes on C.C. or masonry blocks, including necessary scaffolding and maintenance for 3 yrs for any leakages or dislocations of pipes. All the P.V.C. fittings and additional 2 piece socket clips shall be got approved from engineer in charge etc. complete.	8.00	One Running Metre	569.00	Rupees five hundred sixty-nine and paise nil only	4552.00
33	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 Kilogram/One Running Metre. with window frame bottom track section 92 x 31.75 x 1.30 mm at weight 1.070 Kilogram/One Running Metre.. Top and side track section 92 x 31.75 x 1.30 mm at weight 0.933 Kilogram/Running metre. The shutter should be of bearing bottom 40 x 18 x 1.25 mm at weight 0.417 Kilogram/One Running Metre. Inter locking section 40 x 18 x 1.10 mm at weight 0.469 Kilogram/Running metre. and handle and top section 40 x 18 x 1.25 mm at weight 0.417 Kilogram/Running metre. 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	16.20	One Running Metre	5502.00	Rupees five thousand five hundred two and paise nil only	89132.00
				<b>PART-A</b>	<b>TOTAL Rs.</b>	<b>1555433.00</b>

33 Material Quality Control Testing Charges						
	Concrete qty M-20 grade ...	3.00	Test	725.00	Rupees seven hundred twenty-five and paise nil only	<del>2175.00</del> 2625
	Test on Cement	1.00	Test	3960.00	Rupees three thousand nine hundred sixty and paise nil only	3960.00
	Steel Bar Testing (8 mm to 16 mm)	2.00	Test	1340.00	Rupees one thousand three hundred forty and paise nil only	2680.00
	16 mm bar & above	2.00	Test	1675.00	Rupees one thousand six hundred seventy-five and paise nil only	<del>3350.00</del> 1675
	Brick masonry	1.00	Test	2285.00	Rupees two thousand two hundred eighty-five and paise nil only	2285.00
	flooring of natural stones(kota,marbal,tandur,etc)	1.00	Test	1450.00	Rupees one thousand four hundred fifty and paise nil only	1450.00
		PART-B		TOTAL Rs.		<del>15900.00</del> 15675
	Rpyalty Charges of matrials	PART-C		TOTAL Rs.		16268.00
				GRAND TOTAL Rs.		1587601.00

Total Rs. - 1587376.00

  
Sub Divisional Engineer  
Z. P. (W) Sub.Dn. Mouda

Executive Engineer  
Z.P.Works Division Nagpur

Approved  
  
Executive Engineer (W)  
Zilla Parishad, Nagpur.