

Name of work -Special Repair to Mahagaon Bk & Mahagaon Kh Combined Pipe Water Supply  
Scheme G P. :- Mahagaon Kh Tah.:- Aheri District. Gadchiroli.

Tahasil - Aheri , Dist- Gadchiroli

SCHEDULE " A "

Sr. No.	Name of Material	Qty.	Rate in figure	Rate in word	Unit	Remark
	NIL	NIL	NIL	NIL	NIL	



Junior Engineer



Sub-Divisional Engineer  
R. W. S. Sub-Division Aheri  
Zilla Parishad, Gadchiroli




**Executive Engineer**  
**Rural Water Supply Division**  
**Zilla Parishad, Gadchiroli**

Name of work -Special Repair to Mahagaon Bk & Mahagaon Ki. Combined Pipe Water Supply Scheme G P. :- Mahagaon Kh Tah.:- Aheri District. Gadchiroli.


Schedule B


PHASE	SUB-SCHEDULE "B"	Name of Work	Amount
PHASE : 1	SUB-SCHEDULE "B" :- (1)	Name Of SubWork No.1 :-Construction Of Column(Rising Main Support)	127119 ✓
		Name Of SubWork No.2-Distribution System Repair	1452941 ✓
		Name Of SubWork No.3-Providing, Lowering, 140 mm Ø 6 kg/cm2 PVC(Rising Main) Length=400 m	387815 ✓
		Name Of SubWork No.4-Miscellaneous Work : RCC ESR Fencing @ ESR site	64308 ✓
		<b>Total</b>	<b>2032183.00</b> ✓
		Add 18% For GST	365792.94 ✓
		<b>Total</b>	<b>2397976</b> ✓

  
Junior Engineer

checked by me



  
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Zilla Parishad, Gadchiroli

  
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Zilla Parishad, Gadchiroli

**Name of work -Special Repair to Mahagaon Bk & Mahagaon Kh Combine Pipe Water Supply Scheme  
G P. :- Mahagaon Kh Tah.:- Aheri District. Gadchiroli.**

**Sub Work No 1:-Construction Of Column**

**MESUREMENT CUM ABSTRACT**


Quantity	Item of work	Rate		Unit	Amount
		In fig	In words		
	<b>Item No. 1 :</b> Excavation for foundation / pipe trenches in earth, soils of all types, sand, gravel and soft murum, including removing the excavated material upto a distance of 50 metres and lifts as below, stacking and spreading as directed, normal dewatering, preparing the bed for foundation and excluding backfilling, etc. complete.(Bd-A-1/259)				
	Lift 0.00 to 1.50m				
6.00		181.34	Rupees one hundred eighty-one and paise thirty-four only	Cum	1088.04
	<b>Item No. 2 :</b> Excavation in general in hard material comprising of soft rock, Manjara rock, etc by blasting/ controlled blasting, chiselling as required in wet or dry condition or Head works, i.e. intake well, connecting pipe, jack well, pump House, supply well, etc for lift 0 to 1.5m and lead of 150m including barricading, guarding, disposing off surplus excavated stuff within a radius of 0.5 km as directed by Engineer-in-charges, etc complete. excluding refilling.				
6.00	Lift 1.5 to 3.0m	1260.55	Rupees one thousand two hundred sixty and paise fifty-five only	Cum	7563.30


6.00	Lift 3.00 to 4.50m	1291.33	Rupees one thousand two hundred ninety-one and paise thirty-three only	Cum	7747.98
	<b>Item No. 3:</b> Dewatering the excavated trenches and pools of water in the buliding trenches / pipeline trenches, well works by using pumps and other devices including disposing off water to safe distance as directed by Engineer-in-charge (including cost of machinery , labour, fuel) ...etc complete.				
300.00		97.81	Rupees ninety-seven and paise eighty-one only	BHP	29343.00
	<b>Item No. 4 :</b> Providing and filling around the well boulders filling of selected variety and size of boulders including cost of all materials, labour, transportation etc complete with all leads and lifts.				
1.20	<b>Below PCC</b>	2435.11	Rupees two thousand four hundred thirty-five and paise eleven only	Cum	2922.13
	<b>Item No. 5 :</b> Providing and laying in situ following grades of plain cement concrete of trap/ granite/ quartzite/ gneiss metal for foundation and bedding including normal dewatering form work, compaction and curing etc complete. PCC (M150)				
0.80	<b>PCC</b>	8241.26	Rupees eight thousand two hundred forty-one and paise twenty-six only	Cum	6593.01


	<p><b>Item No.6 :</b> Providing and casting in situ C.C. of trap/ granite/ quartzite/ gneiss metal of approved quality for RCC works as per detailed drawings and designs or as directed by Engineer-in-charge including normal dewatering centering plywood formwork bully7 / steel prop-ups compaction, finishing the formed surfaces with C.M. (1:3) of sufficient minimum thickness to give smooth and even surface wherever necessary or roughening if special finish is to be provided and curing etc complete. (by weigh batching and mix design for M-250 and M-300 only) use of L &amp; T, ACC, Ambuja, Birla Gold, Manikgad, Rajashree. etc cement is permitted (excluding M.S. or Tor reinforcement)</p>				
1.2	<b>For Raft</b>	10782.15	Rupees ten thousand seven hundred eighty-two and paise fifteen only	Cum	12938.58
	<p><b>Item No.7:</b> Providing and casting in situ C.C. of trap/ granite/ quartzite/ gneiss metal of approved quality for RCC work as per detailed drawings and designs or as directed by Engineer-in-charge including normal dewatering plywood formwork, bully / steel prop-ups compaction, finishing the formed surfaces with CM (1:3) of sufficient minimum thickness to give a smooth and even surface wherever necessary or roughening if special finish is to be provided and curing. etc complete. (By weigh batching and mix design for M-250 and M-300 only.) Use of L &amp; T ACC, Ambuja, Birla Gold, Manikgad, Rajashree, etc cement is permitted (excluding M.S. or Tor reinforcement)</p>				

0.3223		12203.15	Rupees twelve thousand two hundred ee and paise fifteen only	Cum	3933.09
	<b>Item No.8:</b> Providing and casting in situ C.C. of trap/ granite/ quartzite/ gneiss metal of approved quality for RCC work as per detailed drawings and designs or as directed by Engineer-in-charge including normal dewatering plywood formwork, bully / steel prop-ups compaction, finishing the formed surfaces with CM (1:3) of sufficient minimum thickness to give a smooth and even surface wherever necessary or roughening if special finish is to be provided and curing. etc complete. (By weigh batching and mix design for M-250 and M-300 only.) Use of L & T ACC, Ambuja, Birla Gold, Manikgad, Rajashree, etc cement is permitted (excluding M.S. or Tor reinforcement.				
0.91735		12113.04	Rupees twelve thousand one hundred thirteen and paise four only	Cum	11111.87
	<b>Item No.9:</b> Providing and fixing in position steel bar reinforcement various diameters for RCC piers, caps footings foundation slabs, beams, columns, canopies, staircases. Newels, chajjas, lintels, pirdies, coping, fins, arches, etc as per detailed designs, drawing and schedule; including curring, bending, hooking the bars, binding with wires or tack welding and supporting as required etc complete. (including cost of binding wire)				
	<b>Lift 0.00 To 5.00 M</b>				
0.217		82642.32	Rupees eighty-two thousand six hundred forty-two and paise thirty-two only	MT	17946.61

	<b>Item No. 10:</b> Filling in plinth and floors murum bedding in trenches with approved rum from excavated materials for foundation 15cm to 20cm layers including watering and compaction etc complete				
85.560		101.11	Rupees one hundred one and paise eleven only	Cum	8651.01
	<b>Item No 11 :</b> Providing ISI mark G.I. pipe of following class and dia. excluding GST levied by GOI & GOM in all respect, inspection charges, transportation to stores,etc.complete as per IS-1239/2004.				
	80mm Dia GI Pipe(Heavy)				
18.000		805.00	Rupees eight hundred five and paise nil only	Rmt	14490.00
	<b>Item No 12:-</b> Lowering, laying and jointing G. I. pipes and specials of following class and diameter including conveyance from stores to site of works, all labour,etc. complete either underground or in vertical position,as directed by Engineer-in-charge.				
	80mm Dia GI Pipe(Heavy)				
18.000		155.00	Rupees one hundred fifty-five and paise nil only	Rmt	2790.00
				<b>Total</b>	<b>127118.61</b>

  
Junior Engineer

  
**Executive Engineer**  
**Rural Water Supply Division**  
**Zilla Parishad, Gadchiroli**

  
Sub-Divisional Engineer  
R. W. S. Sub-Division Aheri  
Zilla Parishad, Gadchiroli

**Name of Work : Special Repair To Mahagaon Bk & Mahagaon Kh Connected Water Supply Scheme**

**G P. :- Mahagaon Kh Tah.:- Aheri District. Gadchiroli.**

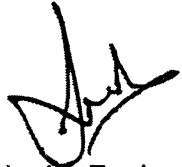
**Sub work No.2 :- Distribution System Repair**

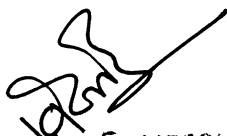
Quantity	Item of work	Rate		Unit	Amount
		In fig	In words		
	<b>Item No. 1 :</b> Excavation for foundation / pipe trenches in earth, soils of all types, sand, gravel and soft murum, including removing the excavated material upto a distance of 50 metres and lifts as below, stacking and spreading as directed, normal dewatering,preparing the bed for foundation and excluding backfilling, etc. complete.				
1500.00		272.555 /	Rupees two hundred seventy-two and paise fifty-six only	Cum	408832.50
	<b>Item No. 2 :</b> Providing and supplying in standard lengths ISI mark rigid unplasticised PVC pipes suitable for potable water with solvent cement joints including cost of couplers, as per IS specification no. 4985 / 1988 excluding GST levied by GOI and GOM in all respect, including transportation, freight charges, inspection charges, loading, unloading, conveyance to the departmental stores and stacking the same in closed shed duly protected from sun rays and rains including cost of jointing material i.e.solvent cement, etc. complete (selffit type to be jointed with cement solvent).				
	<b>75mm Ø 4kg/cm² PVC pipe</b>				
1500.00		120.75 /	Rupees one hundred twenty and paise seventy-five only	Rmt	181125.00
	<b>90mm Ø 4kg/cm² PVC pipe</b>				


1000.00		168.00 /	Rupees one hundred sixty-eight and paise nil only	Rmt	168000.00
	<b>Item No. 3:</b> Lowering, laying and jointing with P.V.C. pipes and specials of following class and diameter including cost of conveyance from stores to site of works including cost of all labour, material, except cement solvent, rubber ring, as per IS code, etc. complete (with cement solvent joint / ring fit joint).				
	<b>75mm Ø 4kg/cm<sup>2</sup> PVC pipe</b>				
1500.00		30.77 /	Rupees thirty and paise seventy-seven only	Rmt	46155.00
	<b>90mm Ø 4kg/cm<sup>2</sup> PVC pipe</b>				
1000.00		38.47 /	Rupees thirty-eight and paise forty-seven only	Rmt	38470.00
	<b>Item No. 4 :</b> Hydraulic testing of PVC pipe line to specified pressure including cost of all materials and labour and water for testing for specified length including cutting, placing end cap making arrangement for filling safe water using reciprocating type pumps which should be able to provide specified test pressure gauges and other necessary equipments,labour, operation charges, etc. required for testing. The rate under this item shall also include cost of retesting, if necessary and reinstating to original position.				
	<b>75mm Ø 4kg/cm<sup>2</sup> PVC pipe</b>				
1.50		3,054.12 /	Rupees three thousand fifty-four and paise twelve only	km	4581.18
	<b>90mm Ø 4kg/cm<sup>2</sup> PVC pipe</b>				
1.00		4,168.00 /	Rupees four thousand one hundred sixty-eight and paise nil	km	4168.00

	Item No. 5 : Refilling the trenches with available excavated stuff with soft material first over pipeline and then hard material in 15 cm layers with all leads and lifts including consolidation, surcharging, etc. complete.				
	Total Qty. of excavation -	1500			
	deduct-Volumn of Pipe 75 mm Ø 4 kg/cm² PVC Pipe	6.62			
	deduct-Volumn of Pipe 90 mm Ø 4 kg/cm² PVC Pipe	6.36			
	Net Qty	1487.02			
1487.02		101.11 ✓	Rupees one hundred one and paise eleven only	Cum	150352.59
	Item No. 6 : Providing double flange sluice valve confirming for IS- 14846 including worn gear arrangements as per test pressure, stainless steel spindle, caps, including inspection charges, transportation upto departmental store, unloading, stacking excluding GST levied by GOI & GOM in all respect etc. complete.				
	65 mm Ø Sluice valve PN-1 Without bypass arrangement				
3.00		5959.00 ✓	Rupees five thousand nine hundred fifty-nine and paise nil	No	17877.00
	Item No. 7: Lowering, laying and jointing in position following C.I.D/F Reflex valves, Butterfly				
	65 mm Ø Sluice valve PN-1 Without bypass arrangement				
3.00		1539.70 ✓	Rupees one thousand five hundred thirty-nine and paise	No	4619.10
	Item No. 8 : Providing and fixing C.I. road box including loading, unloading and carting to site of Chamber				

3.00		1900.17	Rupees one thousand nine hundred and paise seventeen	No	5700.51
	<b>Item No 9 : Repair &amp; rectification of leakages of pipeline of rising main &amp; gravity main at initial stage to a maintainance the running of water supply scheme including cost of pipe excavation refilling with labour.</b>				
	<b>Mahagaon Bk Village</b>				
13.00	<b>110 mm Dia PVC Pipe</b>	3415.26 ✓	Rupees three thousand four hundred fifteen and paise twenty-	Nos	44398.33
28.00	<b>90 mm Dia PVC Pipe</b>	3058.00 ✓	Rupees three thousand fifty-eight and paise nil only	Nos	85624.11
30.00	<b>75 mm Dia PVC Pipe</b>	2764.06 ✓	Rupees two thousand seven hundred sixty-four and paise six	Nos	82921.88
	<b>Mahagaon Kh Village</b>				
12	<b>110 mm Dia PVC Pipe</b>	3415.26 ✓	Rupees three thousand four hundred fifteen and paise twenty-	Nos	40983.07
30	<b>90 mm Dia PVC Pipe</b>	3058.00 ✓	Rupees three thousand fifty-eight and paise nil only	Nos	91740.12
28	<b>75 mm Dia PVC Pipe</b>	2764.06 ✓	Rupees two thousand seven hundred sixty-four and paise six	Nos	77393.00
				<b>Total</b>	<b>1452941.39</b>

  
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R. W. S. Sub-Division Aheri  
Zilla Parishad, Gadchiroli

**NAME OF WORK : Augmentation to MAHAGAON BK & KH WATER SUPPLY SCHEME**

Tahasil :- Aheri, Dist- Gadchiroli.

**Sub work No. 3 :Repairing Replacement of 140 mm Ø 6 kg/cm<sup>2</sup> PVC(Rising Main) Length=300 m**

**MESUREMENT CUM ABSTRACT**


Quantity.	Item of work	Rate		Unit	Amount
		In fig	In words		
	<b>Item No. 1 :</b> Excavation for foundation / pipe trenches in earth, soils of all types, sand, gravel and soft murum, including removing the excavated material upto a distance of 50 metres and lifts as below, stacking and spreading as directed, normal dewatering,preparing the bed for foundation and excluding backfilling, etc. complete.				
210.00		272.55 ✓	Rupees two hundred seventy-two and paise fifty-five only	cum	57236
	<b>Item No. 2 :</b> Providing and supplying in standard lengths ISI mark rigid unplasticised PVC pipes suitable for potable water with solvent cement joints including cost of couplers, as per IS specification no. 4985 / 1988 excluding GST levied by GOI and GOM in all respect, including transportation, freight charges, inspection charges, loading, unloading, conveyance to the departmental stores and stacking the same in closed shed duly protected from sun rays and rains including cost of jointing material i.e.solvent cement, etc. complete				
	<b>140 mm dia PVC 6 kg/cm<sup>2</sup></b>				
300.00		357.50 ✓	Rupees three hundred fifty-seven and paise fifty only	Rmt	107250

	<b>Item No. 3</b> : Lowering, laying and joining with P.V.C. pipes and specials of following class and diameter including cost of conveyance from stores to site of works including cost of all labour, material, except cement solvent, rubber ring, as per IS code, etc. complete				
	<b>140 mm dia PVC 6 kg/cm2</b>				
300.00		64.84 ✓	Rupees sixty-four and paise eighty-four only	Rmt	19452
	<b>Item No. 4</b> : Hydraulic testing of PVC pipe line to specified pressure including cost of all materials and labour and water for testing for specified length including cutting, placing end cap making arrangement for filling safe water using reciprocating type pumps which should be able to provide specified test pressure gauges and other necessary equipments, labour, operation charges, etc. required for testing. The rate under this item shall also include cost of retesting, if necessary and reinstating to original position.				
0.300		7,633.65 ✓	Rupees seven thousand six hundred thirty-three and paise sixty-five only	km	2290
	<b>Item No. 5</b> : Providing ISI mark G.I. pipe of following class and dia. excluding GST levied by GOI & GOM in all respect, inspection charges, transportation to stores, etc. complete as per IS-1239/2004				
	<b>150 mm Dia GI Medium Pipe</b>				
60.00		1,571.00 ✓	Rupees one thousand five hundred seventy-one and paise nil only	Rmt	94260


	<b>Item No. 6 :</b> Lowering, laying and jinting G. I. pipes and specials of following class and diameter including conveyance from stores to site of works, all labour, etc. complete either underground or in vertical position, as directed by Engineer-in-charge..				
	<b>150 mm Dia GI Medium Pipe</b>				
60.00		176.94	Rupees one hundred seventy-six and paise ninety-four only	Rmt	10616
	<b>Item No. 7 :</b> Providing and supplying ISI standard CI flanged / S & S specials including all statutory duties & taxes such as GST levied by GOI & GOM in all respect, railway freight, insurance, unloading from railway wagon, loading into truck transport to departmental store /site, unloading stacking etc. complete.				
100	<b>Upto 80 to 300 mm Ø D/F Specials</b>	88.00	Rupees eighty-eight and paise	Kg	8800
	<b>Item No. 8 :</b> Refilling the trenches with available excavated stuff with soft material first over pipeline and then hard material in 15 cm layers with all leads and lifts including consolidation, surcharging, etc. complete.				
	Total qty of excavation	210			
	Deduct volume of Pipe	4.62			
<b>205.38</b>	<b>Net Quantity</b>	101.11	Rupees one hundred one and paise eleven only	Cum	20767
	<b>Item No. 9 :</b> Providing and supplying ISI mark CI D/F reflux valves (non-return valves ) of following dia including railway freight, inspection charges, unloading from railway wagon, loading into truck, transportation upto departmental stores, unloading, stacking excluding GST levied by GOI & GOM in all respect etc. complete. Reflux valves as per I.S.5312 Part I (1984)				

2.00	125 mm Ø Scour valve PN-1.6	12,284.00	Rupees twelve thousand two hundred eighty-four and paise nil only	No	24568.00
	Item No. 10 : Lowering, laying and jointing in position following C.I.D/F Reflex valves, Butterfly valves and Sluice valves including cost of all labour jointing material, including nut bolts and giving satisfactory hydraulic testing etc.complete.				
2.00	125 mm Ø Scour valve PN-1.6	3,480.53	Rupees three thousand four hundred eighty and paise fifty-three only	No	6962.00
	Item No. 11 : Providing and supplying at site ductile iron/ Spheroidal Graphite (S.G.) iron single /Double chamber tamper proof air valve without isolating sluice valve. Valves in accordance with BSEN1074-4 of PN10/16 rated, with body and bonnet of ductile iron confirming to EN1563/IS1865 Gr. 500/7 or Gr.400/15 floats, float guide, seat ring of stainless steel 1.4436/1.4306, seat ring gasket of WRAS approved EPDM rubber (suitable for drinking water), internal fasteners of stainless steel A2. Body & Bonnet coated inside & outside with electrostatically applied epoxy powder coated blue colour (suitable for drinking water) as per DIN30677-2 & GSK guidelines with a coating				
2.00	80mm.	17807.00	Rupees seventeen thousand eight hundred seven and paise nil only	No	35614.00

	<b>Item No. 12 :</b> Providing and fixing in position air valve shaft including providing and fixing GI Medium Class or 6 mm thick M.S. pipe shaft 2.70 M long over branch flange of air valve tee, providing PCC block of M-150 concrete, 150 mm thick around the air valve tee including encasing of vertical shaft in PCC M 150 as shown in type design together with providing and making flanged joints wherever required and fixing of air valve tee, etc. complete as per type design and as directed by Engineer -in- charge for following diameters of pipe lines				
0.00	<b>Air valve shaft</b>	7600.00	Rupees seven thousand six hundred and paise nil only	No	0.00
	<b>Item No. 13 :</b> Providing and constructing B.B. masonry valve chamber with 15 cm thick 1:3:6 proportion PCC bedding, excluding excavation, B.B. masonry in CM 1:5 proportion precast RCC frame and cover, etc.complete as directed by Engineer-in-charge.chamber 1.2x1.2m and depth upto 1.2 mete				
0.00	<b>For Scour</b>	18740.90	Rupees eighteen thousand seven hundred forty and paise ninety only	No	0.00
				<b>Total</b>	<b>387815.00</b>

  
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Zilla Parishad, Gadchiroli

**NAME OF WORK :Special Repair to Mahagaon Kh and Mahagaon Bk combined WATER SUPPLY SCHEME**

Tahasil :- Aheri, Dist- Gadchiroli.

Sub work No. 4:- Miscellaneous Work : Fencing @ ESR site, Trial run.

Quantity	Item of work	Rate		Unit	Amount
		In fig	In words		
	<b>Item No 1:</b> Providing and erecting 1.2 meter high wire fencing with five rows of barbed wire supported on mild steel angle (50x50x6mm) postat 2.5m c/c including excavation of pits of foundation concrete fixing the posts in (1:4:8) cement concrete block of 45x45x45 cm, and fastening the Wires and painting the angles with one coat with red lead primer and two coats of oil painting etc.complete				
40.00		1089.40	Rupees one thousand eighty-nine and paise forty only	Rmt	43576.00
	<b>Item No. 2 :</b> Providing and fixing Wicket gate 1.0 m wide for compound with 40 mm dia MS black pipe medium class, approved grill work, RCC M-150 side pillars of 25 cm x 40 cm x 2.50 M height, its foundation, finishing, painting, etc complete				
1.00		20732.00	Rupees twenty thousand seven hundred thirty-two and paise nil only	Nos	20732.00

	<p><b>Item No. 3 :</b> Commisioning running and maintaning the scheme to quantites, rated capacity, including maning necessary personnel such as operator, valvement, etc. asper requiredment of the scheme and who shoulds also administer chemical dose for a period of 12 month for individual scheme , together with traning of personnel spared by MJP/ Local body and handing ove rthe scheme to local body after completion of the above period as directed by engineer in charge (Note : Required chemicals to be supplied by department free of cost and electricity bill will also be paid by the Sameeti here department is to be Grampanchayat . (Single village Twelve Months)</p>				
0		30181.00	Rupees thirty thousand one hundred eighty-one and paise nil only	Month	0.00
				<b>Total</b>	<b>64308.00</b>



Junior Engineer



Sub-Divisional Engineer  
R. W. S. Sub-Division Aheri  
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