

Name of Work: Constructing Permanent Water Supply Scheme For Mograpani Tal.-Akkalkuwa Dist. Nandurbar

Contract No:

PRICE SCHEDULE

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Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	BASIC RATE In Figures To be entered by the Bidder	TOTAL AMOUNT Without Taxes in P	TOTAL AMOUNT In Words
1	Sub Work No. 1 :- Production Well	4	5	6	13	53	
1.01	Providing and Drilling trial Bore for includes all transportation charges of ridge with labour charge etc 150 mm	30.00	Rmt.	418.00	418.00	12540.00	INR Twelve Thousand Five Hundred & Forty Only

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Material compr. of soil, sand, soft murum with boulders all types of soft rock, Manjara rock etc. By blasting controlled blasting, chiselling as required in wet or dry condition for head work i.e. intake well, connecting pipe, Jack well, pump house, supply well, etc. for lift 0 to 1.50 m. incl. barracading guardening, disposing of surplus excavated stuff within a radius of 0.50 Km. as directed by engineer-in-charge excluding refilling.

1.03	A] Soft Strata	226.20	323.4	323.40	323.40	73153.08	INR Seventy Three Thousand One Hundred & Fifty Three and Paise Eight Only
1.04	B] Hard strata	296.870	Cum	664.40	664.40	197240.43	INR One Lakh Ninety Seven Thousand Two Hundred & Forty and Paise Forty Three Only
1.05	Lift Charges beyond initial lift 0 to 1.50 m.						
1.06	Lift 1.50 to 3.00 M.	75.40	Cum	27.50	27.50	2073.50	INR Two Thousand & Seventy Three and Paise Fifty Only
1.07	Lift 3.00 to 4.50 M.	75.40	Cum	55.00	55.00	4147.00	INR Four Thousand One Hundred & Forty Seven Only
1.08	Lift 4.50 to 6.00 M.	42.41	Cum	82.50	82.50	3498.83	INR Three Thousand Four Hundred & Ninety Eight and Paise Eighty Three Only
1.09	Lift 6.00 to 7.50M.	42.41	Cum	110.00	110.00	4665.10	INR Four Thousand Six Hundred & Sixty Five and Paise Ten Only
1.1	Lift 7.50 to 9.00 M.	42.41	Cum	137.50	137.50	5831.38	INR Five Thousand Eight Hundred & Thirty One and Paise Thirty Eight Only

	Lift 8.00 to 10.50 M									
1.12	Lift 10.50 to 12.00 M.	42.41	Cum	165.00	165.00	192.50	8163.93	INR Eight Thousand One Hundred & Sixty Three and Paise Ninety Three Only		
1.13	Lift 12.00 to 13.50 M.	42.41	Cum	220.00	220.00	9330.20	INR Nine Thousand Three Hundred & Thirty and Paise Twenty Only			
1.14	Lift 13.50 to 15.00 M.	42.41	Cum	247.50	247.50	10496.48	INR Ten Thousand Four Hundred & Ninety Six and Paise Forty Eight Only			
1.15	Dewatering the excavated trenches and pools of water in the building trench/ pipe line trenches, well works by using pumps and other lifting devices including desposing of water to safe distance as directed by engineer-in-charge (incl. cost of machanary, labour, fuel) etc. comp.	600.00	Bhp	74.80	74.80	44460.00	INR Forty Four Thousand Four Hundred & Sixty Only	44880.00 eight		
1.16	Providing and laying in situ follwing grade of C.C. trap/granite/quartzite/guase metal for foundation and bedding incl.dewatering form work, compacting and curring, finishing etc. comp.									
1.17	P.C.C. 1:2:4 (M-150) grade	1.02	Cum	5159.00	5159.00	5262.18	INR Five Thousand Two Hundred & Sixty			

1.19	For RCC M-200 grade Beam	3.06	Cum	7318.30	7318.30	22394.00	INR Twenty Two Thousand Three Hundred & Ninety Four Only		
1.2	For RCC M-200 grade vertical wall	20.64	Cum	7956.30	7956.30	164218.03	INR One Lakh Sixty Four Thousand Two Hundred & Eighteen and Paise Three Only		
1.21	Providing and fixing in position steel reinforcement of various dimeters for RCC pipe, caps, footings foundation, slabs, beams, columns, canopies, staircase, newels etc. as per detailed designs and drawing and shedules including cutting, bending, hooking the bar binding with wire or tack welding and supporting as requires etc.co.(including cost of binding wire)	1.42	M.T.	59740.00	59740.00	84830.80	INR Eighty Four Thousand Eight Hundred & Thirty and Paise Eighty Only		

	1.22 Providing structure for steel work in rolled section like joints, channels, angles tees etc. as per detailed designs and drawing including fixing in position without connecting plates, braces, etc. and one coats of oil/anticorrosive paint and over it two coats of oil painting ... etc.	0.50	M.T.	61077.00	61077.00	30638.50	INR Thirty Thousand Five Hundred & Thirty Eight and Paise Fifty Only
1.23	Refiling the trenches with soft material first over pipe line and then hard material in 15 cm. layers with all leads and lifts including consolidation, surcharging etc.	77.57	Cum	77.00	77.00	5972.89	INR Five Thousand Nine Hundred & Seventy Two and Paise Eighty Nine Only
1.24	Providing, and fixing 80 mm dia A.C./P.V.C. pipe weep holes at 1.5 M c/c staggered including cost of all materials and labour involved with all leads and lifts.etc. complete with all leads and lifts.	15.00	Rmt.	167.20	167.20	2508.00	INR Two Thousand Five Hundred & Eight Only
1.25	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.	12.65	Cum	766.70	766.70	9698.76	INR Nine Thousand Six Hundred & Ninety Eight and Paise Seventy Six Only
1.26	Providing and fixing in position C.I. Type dapuri steps of 22 mm dia. M.S. bar step with proper anchorage, etc. and providing and applying 3 coats of ant-corrosive paint, etc complete as directed by Engineer-in-charge.	15.00	Nos	378.40	378.40	5676.00	INR Five Thousand Six Hundred & Seventy Six Only

	NAME OF WORK No. 2 :- Switch Room						Sixty and Paise Only
2.01	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, manual dewatering, preparing the bed for foundation and excluding backfilling, etc. complete.	6.91	Cum.	160.60	160.60	1109.75	INR One Thousand One Hundred & Nine and Paise Seventy Five Only
2.02	Providing and laying in situ Cement concrete of trap/granite/quartzite/ gneiss metal for PCC work below foundation and footing including normal dewatering,plywood form work, compaction, finishing and curing, etc. complete.	0.91	Cum.	5159.00	5159.00	4694.69	INR Four Thousand Six Hundred & Ninety Four and Paise Sixty Nine Only

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2.04	Providing and carrying in situ concrete of RCC work as per detailed drawings and designs or as directed by Engineer-in-charge including normal dewatering, plywood form work, 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 for L&T, A.C. C., Ambuja, Birla Gold, Manikgad, Rajashree, etc. cement is permitted.)	
2.1	RCC Work M 20 (beam&landig)	0.09 Cum. 7318.30 7318.30 658.65 INR Six Hundred & Fifty Eight and Paise Sixty Five Only
2.11	RCC Work M 20 (chajias)	0.14 Cum. 7910.10 7910.10 1107.41 INR One Thousand One Hundred & Seven and Paise Forty One Only
2.12	RCC Work M 20 (slab)	1.08 Cum. 7956.30 7956.30 8592.80 INR Eight Thousand Five Hundred & Ninety Two and Paise Eighty Only
2.13	Providing and fixing in position steel bar reinforcement of various diameters for RCC piles, caps, footings, foundation, slabs, beams, columns, canopies, staircases, newels, chajias, lintels, pardies, 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, etc. complete. (including cost of binding wire)	0.0852 MT 59740.00 59740.00 5089.85 INR Five Thousand & Eighty Nine and Paise Eighty Five Only
2.14	Providing and applying cement plaster 20 mm. th. In c m 1:4 with smooth finishing from inside and out side faces of the room incl. watering curring, scaffolding etc. comp. in two coat	

3.04	Providing and fixing 1/2" sheet metal work in CRCA sheet with fabrication of boxes panel boards etc. including cutting, bending, drilling, welding, riveting etc. treated with anti-rust treatment and duly power coated or painted with one coat of red lead paint and 2 coats of enamel paint as directed.	30.00	Kg.	177.00	177.00	5310.00	INR Five Thousand & One Hundred & Ten Only
3.05	Supplying and erecting Triple pole metal/ iron clad switch and fuse 415/500V 63A on angle iron frame as per specification No. SW-SWR/MTP	1.00	No.	2773.00	2773.00	2773.00	INR Two Thousand Seven Hundred & Seventy Three Only
3.07	Supplying and erecting Iron clad cut out H.C. type 500V 63A approved make erected on polished wooden block.	3.00	No.	329.00	329.00	987.00	INR Nine Hundred & Eighty Seven Only
3.08	Supplying & erecting DOL starter	1.00	No.	1770.00	1770.00	1770.00	INR One Thousand Seven Hundred & Seventy Only
3.1	Supplying & erecting Flat flexible submersible cable ... etc. complete. 3 core 6 sqmm.	30.00	Rmt.	192.06	192.06	5761.80	INR Five Thousand Seven Hundred & Sixty One and Paise Eighty Only
3.11	Earthing Providing earthing with Galvanised cast iron earth plate size 60 x 60 x 0.6 cm complete with all materials, testing & recording the results as per specification No. EA-EP	1.00	No.	4117.00	4117.00	4117.00	INR Four Thousand One Hundred & Seventeen Only
4	NAME OF WORK No. 4 :- Rising Main						
4.01	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, manual dewatering, preparing the bed for foundation and excluding backfilling, etc. complete.	6.30	Cum.	160.60	160.60	1011.78	INR One Thousand & Eleven and Paise Seventy Eight Only

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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, giving satisfactory hydraulic testing as per IS code, etc. complete (with cement solvent joint / ring fit joint).

4.08	90 mm dia. PVC Pipes 6kg/sq.cm	60.00	Rmt	39.60	39.60	2376.00	INR Two Thousand Three Hundred & Seventy Six Only
4.07	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.	37.42	Cum.	77.00	77.00	2881.34	INR Two Thousand Eight Hundred & Eighty One and Paise Thirty Four Only
4.08	Providing and supplying Air valve as per IS 14845-2000 and MJP Std Specification of approved make and quality of following dia including all taxes (Central and local) rly freight inspection charges unloading from rly wagon loading in to truck transportain upto Dept store/ site unloading and stacking etc complete						
4.09	20 mm dia. Air Valve Single Ball Flanged/Screwed type	1.00	No.	714.00	714.00	714.00	INR Seven Hundred & Fourteen Only

Shaft including laying 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 over the shaft excluding cost of air valve and branch flanged air valve tee. etc. complete as per type design and as directed by Engineer-in-charge for following diameters of pipe lines (type design attached.)

4.11	upto 150 mmdia.	1.00	No.	5071.00	5071.00	5071.00	INR Five Thousand & Seventy One Only
4.12	Providing and supplying double flange sluice valves confirming for IS 2906/14846 including warn gear arrangement as per test pressure stainless steel spindle caps including all taxes transportation etc complete.						
4.13	90 mm dia. Sluice Valve PN - 1	1.00	No.	3824.00	3824.00	3824.00	INR Three Thousand Eight Hundred & Twenty Four Only
4.14	Lowering, laying, jointing in position following CIDF Reflux, butterfly valves and sluice valves including cost of all labors jointing material including nutbolts and giving satisfactory hydraulic testing etc complete (Rates for all class of valves)						
4.15	80 mm dia. Sluice Valve PN - 1	1.00	No.	1738.00	1738.00	1738.00	INR One Thousand Seven Hundred & Thirty Eight Only

	Valve chamber with 15 cm thick 1:3:6 proportion PCC bedding, excluding excavation, B.B. masonry in C.M. 1:5 Proportion precast RCC frame and cover, etc. complete as directed by Engineer-in-charge.						
4.17	size 0.90 X 0.60 X 1.20 mtr.	1.00	No.	6020.30	6020.30	6020.30	INR Six Thousand & Twenty and Paise Thirty Only
5	NAME OF WORK No. 5 :-R.C.C. E.S.R. Cap. 14000 Ltrs 12 Mtr. Staging						
5.01	Designing (aesthetically), and constructing RCC elevated service reservoirs of following capacity with RCC staging consisting of columns, internal and external bracings spaced vertically not more than 4.5 meters centre to centre for E.S.R. having capacity 500 m ³ & not more than 6 m c/c for E.S.R. having capacity above 500 m ³ including excavation in all types of strata, foundation concret, cement plaster with water proofing compound to the inside face of the container including refilling disposing of the surplus stuff within a lead of 50 meters, all labour and material charges including lowering, laying, erecting, hoisting and jointing of pipe assembly of inlet, outlet, washout, overflow and bypass arrangements as per departmental design.						

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<p><i>B. These rates are including the cost of uplift pressure if any and entire dewatering during execution. In case of water logging area where water is struck at shallow depth extra provision of dewatering shall be made as per the condition</i></p>								
<p>10. All condition given in the Member Secretary's Circular No.MJP/TS-I/350/1668 dt. 2.8.97 and MJP/S-I/350/2127 dt. 13.7.99 shall be strictly followed and additional cost, if any due to these conditions is included in the rates mentioned below.</p>								
<p>11.. 75% part rate shall be payable for reinforced concrete and plastering items of containers of E.S.R. till satisfactory hydraulic testing for water tightness is given ; and till that work shall be treated as</p>								
<p>12. The rates indicated in the table are excluding the cost of pipes, specials and valves required for inlet, outlet washout overflow and by-pass arrangement. The scope of work, however includes cost of erecting, laying and jointing of pipes and valves including cost of jointing materials upto 5M beyond outer face of outermost column.</p>								
<p>13. For ESR upto 500cum capacity C.I.D. double flanged pipes upto 300mm dia shall be provided and C.I.Specials shall be used.For ESR above 500 cum capacity C.I.M.S. pipes assembly with minimum 8mm thick ness up to 500mm dia. And minimum 10mm thickness above 500mm dia can be used with proper anti-corrosive epoxy treatment from inside and outside.</p>								
<p>14. Below mentioned rates are for foundation, with individuals footing with bearing capacity of 30 tonnes per square metre. For raft foundations, these rates shall be increased by 7.5% wheresafebearing capacity (SBC) is 5 M.T. per Sq.m and by 5% where SBC is more than 5 MT/Sqm. and upto 10MT/Sqm. This percentage of 5% or 7.5% is applicable for estimation of amount of L.S. Items ESR for Extra item due to change from individual footing foundation to raft actual increase in concrete and steel quantities be paid as per relevant DSR Item.</p>								

15. The rates shall be increased for further increase in depth upto extent of 17m and for further increase in depth by 2M each it shall be increased by another 10%. These rates are applicable where raft is not feasible for pile foundation sulfate resistant cement shall only be used. Single pile for the column is not permitted. Group of piles shall be designed with pile cap for each column of ESR.

16. These rates are applicable for staging height of 12 M. These rates shall be increased or decreased for per metre variation in the staging height as below								
12 to 16 M staging	2% per metre							
16 to 20m staging	3% per meter							
20 M and above - 4% per metre								
i.e. for 17m staging height								
percentage calculation will be like below								
12 to 16m = 4 x 2	= 8%							
16 to 17 m x 1 x 3	= 3%							
Total	= 11 %							
For 21 m staging height								
Percentage calculation will be like below								
12 to 16m = 4 x 2	= 8%							
16 to 20m = 4 x 3	= 12%							
20 to 21m = 1 x 4	= 4%							
Total	= 24%							
17. Following rates are for seismic zone-III for Zone-IV these rates shall be increased by 5% and for Zone-II, these rates shall be decreased by 5% concerned Executive Engineer shall confirm the seismic zone for the scheme from seismic zones plan before estimation and adopt appropriate rates as per actual seismic zones (Seismic maps attached in this C.S.R.)								

and parcel of the tender papers and shall be included in the DTP for works of R.C.C.E.S.R.

Note:- 2) Condition from Sr.No.12 to 17 are for estimation purpose only and shall not be appear in the tender.

5.02	R.C.C. E.S.R.	14000.000	Ltr	0.000	0.000	347713.52	INR Three Lakh Forty Seven Thousand Seven Hundred & Thirteen and Paise Fifty Two Only
5.03	Providing ISI mark G.I. pipe of following class and dia. Including all local and central taxes, octroi, inspection charges, transportation to stores, etc. complete .as per IS 1239/2004	42.000	Rmt.	501.000	501.00	21042.00	INR Twenty One Thousand & Forty Two Only
5.04	100 mm dia. GI Medium						
5.05	Providing and supplying ISI standard MS specials of required thickness with 3 coats of approved make epoxy paint (Shalimar, Ciba or Mahindra & Mahindra make) from inside and outside including all taxes (Central and local), octroi, inspection charges, transportation to stores / site, and stacking, etc. complete.	168.00	Kg.	70.40	70.40	11827.20	INR Eleven Thousand Eight Hundred & Twenty Seven and Paise Twenty Only
5.06	Double flanged specials of all diameters						
5.07	Providing and supplying double flange sluice valves conforming for IS 2906/14846 including warm gear arrangement as per test pressure stainless steel spindle caps including all taxes transportation etc	3.0	Nos	4796.000	4796.00	14388.00	INR Fourteen Thousand Three Hundred & Eighty Eight Only
6	80 mm dia. Sluice valve						
6.01	NAME OF WORK No. 6 :-Distribution						
	Item No.1:-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, manual dewatering, preparing the bed for foundation and excluding backfilling, etc. complete.	35.28	Cum.	160.60	160.60	5665.97	INR Five Thousand Six Hundred & Sixty Five and Paise Ninety Seven Only

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	Soft Rock including re-inforcing the excavated material upto a distance of 50 M and lifts as below, stacking and spreading as directed by Engineer-in-charge, normal dewatering, preparing the bed for foundation and excluding backfilling, etc. complete.						and Paise Forty Nine Only
6.03	Item No.3:-Excavation for foundation / pipe trenches in soft rock road including removing the excavated material upto a distance of 50 M beyond the area and lifts as below, stacking and spreading as directed by Engineer-in-charge, normal dewatering, preparing the bed for foundation and excluding backfilling, etc. complete.	97.020	Cum.	564.30	564.30	54748.39	INR Fifty Four Thousand Seven Hundred & Forty Eight and Paise Thirty Nine Only
6.04	Item No.4:-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.	157.643	Cum.	77.00	77.00	12138.51	INR Twelve Thousand One Hundred & Thirty Eight and Paise Fifty One Only
6.05	Item No.5:-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 including all local and central taxes, transportation, freight charges, inspection charges, loading, unloading, conveyance to the departmental stores / site 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).						
6.07	75 mm dia. P.V.C. Pipes 4 Kg/Sq.cm.	252.00	Rmt.	71.00	71.00	17892.00	INR Seventeen Thousand Eight Hundred & Ninety Two Only
6.08	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, giving satisfactory hydraulic testing as per IS code, etc. complete (with cement solvent joint / ring fit joint).						

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6.1	Providing and supplying double flange sluice valves conforming for IS 2906/14846 including worm gear arrangement as per test pressure stainless steel spindle caps including all taxes transportation etc <i>example:</i> 80 mm dia. Sluice Valve PN-1			3.00	Nos	4641.00	4641.00	13923.00	INR Thirteen Thousand Nine Hundred & Twenty Three Only
6.12	Lowering, laying, jointing in position following CIDF Reflux butterfly valves and sluice valves including cost of all labors jointing material including nutbolts and giving satisfactory hydraulic testing etc complete (Rates for all <i>above sluice valves</i>)			3.00	Nos	1250.70	1250.70	3752.10	INR Three Thousand Seven Hundred & Fifty Two and Paise Ten Only
6.14	Providing and constructing B.B. masonry valve chamber with 15 cm thick 1:3:6 proportion PCC bedding, excluding excavation, B.B. masonry in C.M. 1:5 Proportion precast RCC frame and cover, etc. complete as directed by Engineer-in-charge.								
6.15	Note: Wall thickness : 0.23 M for depth of 1.2 M and 0.35 M for balance depth exceeding 1.2 M)								
6.16	As above of 90 x 60 cm internal size and depth upto 1.2M .			3.00	Nos	8873.70	8873.70	26621.10	INR Twenty Six Thousand Six Hundred & Twenty One and Paise Ten Only