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## Item Rate BoQ

Tender Inviting Authority:

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

Contract No:

Name of the Bidder/ Bidding Firm / Company :

### PRICE SCHEDULE

(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 )

NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER #	NUMBER #	NUMBER #	TEXT #
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 Rs. P	TOTAL AMOUNT In Words
1	2	4	5	6	13	53	55
1	<b>Sub Work No. 1 :- Production Well</b>						
1.01	Providng and Drilling trial Bore for includs all transportation charges of ridge with labour charge etc 150 mm	30.00	Rmt.	418.00	<b>418.00</b>	<b>12540.00</b>	INR Twelve Thousand Five Hundred & Forty Only

1.02	Excavation in general in soft and hard material comprising 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	0.00	323.4	323.40	<b>323.40</b>	<b>0.00</b>	INR Zero Only
1.04	B] Hard strata	204.980	Cum	664.40	<b>664.40</b>	<b>136188.71</b>	INR One Lakh Thirty Six Thousand One Hundred & Eighty Eight and Paise Seventy One Only
1.05	Lift Charges beyond initial lift o to 1.50 m.						
1.06	Lift 1.50 to 3.00 M.	0.00	Cum	27.50	<b>27.50</b>	<b>0.00</b>	INR Zero Only
1.07	Lift 3.00 to 4.50 M.	0.00	Cum	55.00	<b>55.00</b>	<b>0.00</b>	INR Zero Only
1.08	Lift 4.50 to 6.00 M.	0.00	Cum	82.50	<b>82.50</b>	<b>0.00</b>	INR Zero Only
1.09	Lift 6.00 to 7.50M.	0.00	Cum	110.00	<b>110.00</b>	<b>0.00</b>	INR Zero Only
1.10	Lift 7.50 to 9.00 M.	42.41	Cum	137.50	<b>137.50</b>	<b>5831.38</b>	INR Five Thousand Eight Hundred & Thirty One and Paise Thirty Eight Only

1.11	Lift 9.00 to 10.50 M.	42.41	Cum	165.00	<b>165.00</b>	<b>6997.65</b>	INR Six Thousand Nine Hundred & Ninety Seven and Paise Sixty Five Only
1.12	Lift 10.50 to 12.00 M.	42.41	Cum	192.50	<b>192.50</b>	<b>8163.93</b>	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	<b>220.00</b>	<b>9330.20</b>	INR Nine Thousand Three Hundred & Thirty and Paise Twenty Only
1.14	Lift 13.50 to 15.00 M.	42.41	Cum	247.50	<b>247.50</b>	<b>10496.48</b>	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.	150.00	Bhp	74.80	<b>74.80</b>	<b>11220.00</b>	INR Eleven Thousand Two Hundred & Twenty Only
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. compt.						
1.17	P.C.C. 1:2:4 ( M-150 ) grade	0.00	Cum	5159.00	<b>5159.00</b>	<b>0.00</b>	INR Zero Only

1.18	Providing and casting in situ cement concrete of trap /granite/quartzite/guess matal of approved quality for RCC work as per detailed drawings and designs or as directed by Engineer-in charge incl. Normal dewatering, centering, form work, compacting 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.( Excluding M.S. or tor reinforcement )						
1.19	For RCC M-200 grade Beam	0.00	Cum	7318.30	<b>7318.30</b>	<b>0.00</b>	INR Zero Only
1.20	For RCC M-200 grade vertical wall	0.00	Cum	7956.30	<b>7956.30</b>	<b>0.00</b>	INR Zero Only
1.21	Providing and fixing in position steel rainforcement of various dimeters for RCC pipe, caps, footings foundation, slabs,beams, columns, canopies, starecases,newels etc. as per detialed designs and drawing and shedules including cutting, bending,hooking the bar binding whith wire or tack welding and supporting as requires etc.co.(including cost of binding wire )	0.00	M.T.	59740.00	<b>59740.00</b>	<b>0.00</b>	INR Zero Only

1.22	Providing structural 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	<b>61077.00</b>	<b>30538.50</b>	INR Thirty Thousand Five Hundred & Thirty Eight and Paise Fifty Only
1.23	Refilling 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	<b>77.00</b>	<b>5972.89</b>	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	<b>167.20</b>	<b>2508.00</b>	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	<b>766.70</b>	<b>9698.76</b>	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	<b>378.40</b>	<b>5676.00</b>	INR Five Thousand Six Hundred & Seventy Six Only

1.27	Carrying out recuperation / yeild test for ascerting the discharge of constructed well / excavated profile as direrted by Engineer in charge.The test carried out by drawing down water from the well/ profile below normal / subsoil water level upto full depth rise in water level is recorded. The normal water level / subsoil water level in the well / profile as well as strainer / suction level at pump as per design of W.S. scheme shall be recorded prior. to the test including cost of all materials.overhead,labours etc. completed as directed. The test shall be carried out as per technical circular No.2597 dt. 20/11/97 and shall be carried out for 7 days.	7.00	Day	2051.500	<b>2051.50</b>	<b>14360.50</b>	INR Fourteen Thousand Three Hundred & Sixty and Paise Fifty Only
2	<b>NAME OF WORK No. 2 :- Switch Room</b>						
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	<b>160.60</b>	<b>1109.75</b>	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	<b>5159.00</b>	<b>4694.69</b>	INR Four Thousand Six Hundred & Ninety Four and Paise Sixty Nine Only
2.03	Providing uncoursed rubble masonry of trap / granite / quartzite / gneiss stones in cement mortar 1:6 in foundations and plinth of inner walls / in plinth of external walls including bailing-out water manually, striking joints on unexposed faces and watering complete. Spec. No. : Bd.H.1 Page No. 329	7.09	Cum.	4895.00	<b>4895.00</b>	<b>34705.55</b>	INR Thirty Four Thousand Seven Hundred & Five and Paise Fifty Five Only

2.04	Providing second class Burnt Brick masonry with conventional/I.S. type bricks in cement mortar 1:6 in superstructure including striking joints, racking out joints, watering and scaffolding Complete. Spec. No. : Bd.G.5 Page No. 315	5.95	Cum.	6190.80	<b>6190.80</b>	<b>36835.26</b>	INR Thirty Six Thousand Eight Hundred & Thirty Five and Paise Twenty Six Only
2.05	Providing and fixing M.S. grill door 24 kg. per square metre of various sizes as per detail drawing without hot dip coating, iron fixtures and fastenings and 3 coats of oil painting etc. complete. Spec. No. As directed by Engineer in charge.	1.62	Sqm.	2685.10	<b>2685.10</b>	<b>4349.86</b>	INR Four Thousand Three Hundred & Forty Nine and Paise Eighty Six Only
2.06	Providing and fixing steel Window of various sizes as per detailed drawing without hot dip zinc coating without ventilators, incl. fabricating/ glazing with plain / obscured glass panels of approved type and quality iron oxidised fixtures and fastning oil painting two coats complete. Spec. No. : Bd.T.53 Page No. 509	1.08	Sqm.	3748.80	<b>3748.80</b>	<b>4048.70</b>	INR Four Thousand & Forty Eight and Paise Seventy Only
2.07	Filling in plinth and floors / trenches with contractor's murum for bedding in 15cm to 20cm layers including watering and compaction complete.	1.89	Cum.	484.00	<b>484.00</b>	<b>914.76</b>	INR Nine Hundred & Fourteen and Paise Seventy Six Only
2.08	Providing and laying Rough Shahabad Stone flooring 40mm to 45 mm. thick & of required width in plain diamond pattern on a bed of 1:6 C.M. incl. cement float striking joints, pointing in cement mortar 1 :3 curring & cleaning etc. comp. Spec. No. : Bd.M.1 Page No. 379	5.15	Sqm.	738.10	<b>738.10</b>	<b>3801.22</b>	INR Three Thousand Eight Hundred & One and Paise Twenty Two Only

2.09	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 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 finssh is to be provided and curing, etc. complete. (By weigh batching and mix design for M-250 and M-300 only. Use fo L&T, A.C. C., Ambuja, Birla Gold, Manikgad, Rajashree, etc. cement is permitted .)						
2.10	RCC Work M 20 ( beam&landig )	0.09	Cum.	7318.30	<b>7318.30</b>	<b>658.65</b>	INR Six Hundred & Fifty Eight and Paise Sixty Five Only
2.11	RCC Work M 20 ( chajjas )	0.14	Cum.	7910.10	<b>7910.10</b>	<b>1107.41</b>	INR One Thousand One Hundred & Seven and Paise Forty One Only
2.12	RCC Work M 20 ( slab )	1.08	Cum.	7956.30	<b>7956.30</b>	<b>8592.80</b>	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, chajjas, 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	<b>59740.00</b>	<b>5089.85</b>	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						
2.15	in two coat Bothside	70.81	Sqm.	474.100	474.10	<b>33571.02</b>	INR Thirty Three Thousand Five Hundred & Seventy One and Paise Two Only

2.16	Providing and applying colour-wash of approved colour and shade in two coats to old surfaces which are to be recoloured including scaffolding, brushing and brooming down. (excluding base coat of white-wash) etc. complete. Spec. No. : Bd.P.3 Page No. 412 .						
2.17	cilling inside	5.15	Sqm.	16.28	<b>16.28</b>	<b>83.84</b>	INR Eighty Three and Paise Eighty Four Only
2.18	Providing and applying 2 coats of flat oil paint of approved colour and shade to internal / external plastered surfaces including scaffolding if necessary, cleaning and preparing the surface (excluding primer coat) complete. Spec. No. : Bd.O.7 Page No. 406	24.54	Sqm.	80.30	<b>80.30</b>	<b>1970.56</b>	INR One Thousand Nine Hundred & Seventy and Paise Fifty Six Only
2.19	Providing and applying two coats of water proof cement paint of approved manufacture and of approved colour to the plastered surfaces including scaffolding if necessary, cleaning and preparing the surface, watering for two days complete. Spec. No. : Bd.O.8 Page No. 406. Outside	40.95	Sqm.	79.20	<b>79.20</b>	<b>3243.24</b>	INR Three Thousand Two Hundred & Forty Three and Paise Twenty Four Only
2.20	Electrification charges for switch room.	1	L/S	10000.00	<b>10000.00</b>	<b>10000.00</b>	INR Ten Thousand Only
3	<b>NAME OF WORK No. 3 :- Pumping Machinery</b>						
3.01	Providing , erecting & giving test of submersible monoblock pump set conforming to IS 9283,150mm dia. 3.00 H.P.	1.00	No.	17281.50	<b>17281.50</b>	<b>17281.50</b>	INR Seventeen Thousand Two Hundred & Eighty One and Paise Fifty Only
3.02	Providing ISI mark GI Pipe 50 mm dia. Medium	24.00	Rmt.	273.00	<b>273.00</b>	<b>6552.00</b>	INR Six Thousand Five Hundred & Fifty Two Only
3.03	Supplying & erecting " B " class G.I. Bend in position with necessary material 50 mm dia	2.00	No.	186.78	<b>186.78</b>	<b>373.56</b>	INR Three Hundred & Seventy Three and Paise Fifty Six Only
3.04	Providing and fixing sheet metal work in CRCA sheet with fabrication of boxes panel boards etc. including cutting, bending, drilling, welding, rivetting 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	<b>177.00</b>	<b>5310.00</b>	INR Five Thousand Three 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	<b>2773.00</b>	<b>2773.00</b>	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	<b>329.00</b>	<b>987.00</b>	INR Nine Hundred & Eighty Seven Only
3.08	Supplying & erecting DOL starter	1.00	No.	1770.00	<b>1770.00</b>	<b>1770.00</b>	INR One Thousand Seven Hundred & Seventy Only
3.09	Supplying & erecting Flat flexible submersible cable ...etc. complete. 3 core 6 sqmm.	30.00	Rmt.	192.06	<b>192.06</b>	<b>5761.80</b>	INR Five Thousand Seven Hundred & Sixty One and Paise Eighty Only
3.10	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	<b>4117.00</b>	<b>4117.00</b>	INR Four Thousand One Hundred & Seventeen Only
4	<b>NAME OF WORK No. 4 :- Rising Main</b>						
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.	17.01	Cum.	160.60	<b>160.60</b>	<b>2731.81</b>	INR Two Thousand Seven Hundred & Thirty One and Paise Eighty One Only
4.02	Excavation for foundation / pipe trenches in including removing the excavated material upto a distace 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.	17.01	Cum.	181.50	<b>181.50</b>	<b>3087.32</b>	INR Three Thousand & Eighty Seven and Paise Thirty Two Only

4.03	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.	22.68	Cum.	203.50	<b>203.50</b>	<b>4615.38</b>	INR Four Thousand Six Hundred & Fifteen and Paise Thirty Eight Only
4.04	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.	45.36	Cum.	564.30	<b>564.30</b>	<b>25596.65</b>	INR Twenty Five Thousand Five Hundred & Ninety Six and Paise Sixty Five Only
4.05	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).						
4.06	90 mm dia. PVC Pipes 6kg/sq.cm	0.00	Rmt.	147.00	<b>147.00</b>	<b>0.00</b>	INR Zero Only
4.07	10 % of cost of pipe shall be considered of cost of P.V.C.Specials	0.00	LS	2381.40	<b>2381.40</b>	<b>0.00</b>	INR Zero Only

4.08	Item No. 5 :- 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).						
4.09	90 mm dia. PVC Pipes 6kg/sq.cm	162.00	Rmt.	39.60	<b>39.60</b>	<b>6415.20</b>	INR Six Thousand Four Hundred & Fifteen and Paise Twenty Only
4.10	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.	101.03	Cum.	77.00	<b>77.00</b>	<b>7779.31</b>	INR Seven Thousand Seven Hundred & Seventy Nine and Paise Thirty One Only
4.11	Providing and supplying <b>Air valve</b> 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 transportatin upto Dept store/ site unloading and stacking etc complete						
4.12	20 mm dia. Air Valve Single Ball Flanged/Screwed type	1.00	No.	714.00	<b>714.00</b>	<b>714.00</b>	INR Seven Hundred & Fourteen Only

4.13	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 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.)						
4.14	upto 150 mmdia.	1.00	No.	5071.00	<b>5071.00</b>	<b>5071.00</b>	INR Five Thousand & Seventy One Only
4.15	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 complete.						
4.16	80 mm dia. Non Return Valve PN - 1	1.00	No.	3824.00	<b>3824.00</b>	<b>3824.00</b>	INR Three Thousand Eight Hundred & Twenty Four Only

4.17	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 )						
4.18	80 mm dia. Non Return Valve PN - 1	1.00	No.	1738.00	<b>1738.00</b>	<b>1738.00</b>	INR One Thousand Seven Hundred & Thirty Eight Only
4.19	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.						
4.2	size 0.90 X 0.60 X 1.20 mtr.	1.00	No.	6020.30	<b>6020.30</b>	<b>6020.30</b>	INR Six Thousand & Twenty and Paise Thirty Only
5	<b>NAME OF WORK No. 5 :-R.C.C. E.S.R. Cap. 30,000 Ltrs</b>						
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 <sup>3</sup> & not more than 6 m c/c for E.S.R. having capacity above 500 m <sup>3</sup> 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.						

<p>providing and fixing accessories such as M.S. ladder, C. I. manhole frame and covers water level indicators, lightening conductor, G. I. pipe railing around walk way and top slab, providing spiral staircase from ground level to roof level, M.S.Grill gate of 2 Mtrs height with locking arrangement, B.B. masonry chambers for all valves, ventilating shafts, providing and applying three coats of cement paint to the structure including roof slab and epoxy paint to internal surface &amp; anti-termite treatment for underground parts of the structures and giving satisfactory water tightness test as per I.S. code, The job to include painting the name of the scheme and other details on the reservoir as per the directions of Engineer-in-charge.</p>						
<p>Notes:</p>						
<p>1. The design of the structure be in accordance with relevent (I.S.3370 - 1965 or revised)</p>						
<p>2. The design shall satisfy the stipulation as per IS 1893-1984 and I.S. 13920/1993 for seismic force and I.S.- 11682/1985 for R.C.C. staging of overhead tanks.</p>						
<p>3. For design having more than 6 columns, Providing of internal bracing is obligatory,. External bracking is also obligatory.</p>						
<p>4.. The entire structure shall be in M 300 mix only.</p>						
<p>5. Plain round mild steel bars grade - I confirming to I.S,432 Part-I or high yield strength deformed bars confirming to I.S. 1786 or I.S. 1139 shall be used, grade-II mild steel bars will not be allowed.</p>						
<p>6. Irrespective of the type of foundation proposed in the design, one set of bracing be provided at the</p>						
<p>7. These rates include providing, M.S. ladder for E.S.R's upto 2 lakhs liters capacity and providing sprial staircase for E.S.R. above 2 lakhs liters</p>						
<p>8. Staging shall have to be designed with stresses of M-200 for ESR. However all RCC construction should be done in M-250</p>						

	<p>9. 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 site condition.</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 valvews 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 teratment 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/Sq.m. 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 relevent DSR Item.</p>						

	<p>15. The rates shall be increase by 30% for brearing piles upto depth of 10m and for further increased in depth by 5M each it shall be increased by another 10% These rates are applicable where raft is not reasible 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.</p>						
	<p>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</p>						
	<p>12 to 16 M staging            2% per metre</p>						
	<p>16 to 20m staging            3% per meter</p>						
	<p>20 M and abovd - 4% per metre</p>						
	<p>I.e. for 17m stagging height</p>						
	<p>percentage calculation will be like below</p>						
	<p>12 to16m    = 4 x 2            = 8%</p>						
	<p>16 to 17 m x 1 x 3            = 3%</p>						
	<p>Total                            = 11 %</p>						
	<p>For 21 m stagging height</p>						
	<p>Percentage calculation will be like below</p>						
	<p>12 to 16m = 4 x 2            = 8%</p>						
	<p>16 to 20m = 4 x 3            = 12%</p>						
	<p>20 to 21m = 1 x 4            = 4%</p>						
	<p>Total                            = 24%</p>						
	<p>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.)</p>						

	Note:- 1) Condition from Sr.No.1 to 11 shall form a part 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.	30000.000	Ltr	0.000	<b>0.000</b>	<b>689316.10</b>	INR Six Lakh Eighty Nine Thousand Three Hundred & Sixteen and Paise Ten Only
	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						
5.03	100 mm dia. GI Medium	42.000	Rmt.	501.000	<b>501.00</b>	<b>21042.00</b>	INR Twenty One Thousand &Forty Two Only
5.04	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.						
5.05	Double flanged specials of all diameters	168.00	Kg.	70.40	<b>70.40</b>	<b>11827.20</b>	INR Eleven Thousand Eight Hundred & Twenty Seven and Paise Twenty Only
5.06	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						
5.07	80 mm dia. Sluice valve	3.0	Nos	4796.000	<b>4796.00</b>	<b>14388.00</b>	INR Fourteen Thousand Three Hundred & Eighty Eight Only
6	<b>NAME OF WORK No. 6 :-Distribution</b>						
6.01	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.	113.40	Cum.	160.60	<b>160.60</b>	<b>18212.04</b>	INR Eighteen Thousand Two Hundred & Twelve and Paise Four Only

6.02	Item No.2:-Excavation for foundation / pipe trenches in Soft Rock including removing the excavated material upto a distace 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.	85.05	Cum.	181.50	<b>181.50</b>	<b>15436.58</b>	INR Fifteen Thousand Four Hundred & Thirty Six and Paise Fifty Eight 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 dewatreing, preparing the bed for foundation and excluding backfilling, etc. complete.	311.850	Cum.	564.30	<b>564.30</b>	<b>175976.96</b>	INR One Lakh Seventy Five Thousand Nine Hundred & Seventy Six and Paise Ninety Six 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.	506.720	Cum.	77.00	<b>77.00</b>	<b>39017.44</b>	INR Thirty Nine Thousand &Seventeen and Paise Forty Four 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. solvemt cement, etc. complete (selffit type to be jointed with cement solvent)						
6.07	75 mm dia. P.V.C. Pipes 4 Kg/Sq.cm.	0.00	Rmt.	71.00	<b>71.00</b>	<b>0.00</b>	INR Zero 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).						

6.09	75 mm dia. P.V.C. Pipes 4 Kg/Sq.cm.	810.00	Rmt.	25.30	<b>25.30</b>	<b>20493.00</b>	INR Twenty Thousand Four Hundred & Ninety Three Only
6.10	Providing and supplying double flange sluice valves conforming for IS 2906/14846 including warn gear arrangement as per test pressure stainless steel spindle caps including all taxes transportation etc						
6.11	65 mm dia. Sluice Valve PN-1	5.00	Nos	4641.00	<b>4641.00</b>	<b>23205.00</b>	INR Twenty Three Thousand Two Hundred & Five 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						
6.13	65 mm dia. Sluice Valve PN-1	5.00	Nos	1250.70	<b>1250.70</b>	<b>6253.50</b>	INR Six Thousand Two Hundred & Fifty Three and Paise Fifty 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	<b>Note:</b> 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 .	5.00	Nos	8873.70	<b>8873.70</b>	<b>44368.50</b>	INR Forty Four Thousand Three Hundred & Sixty Eight and Paise Fifty Only
6.17	MSEB CHARGE	1.00	LS	100000.00	<b>100000.00</b>	<b>100000.00</b>	INR One Lakh Only
<b>Total in Figures</b>						<b>1716355.00</b>	Zero Only
<b>Quoted Rate in Words</b>							