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KERALA WATER AUTHORITY

**Office of the Superintending Engineer,
P.H.Circle, Kalmandapam, Palakkad.**

No. KWA/PHC/PKD/JJM/21-22/NELLAYA/ PHASE -3

Dated: 24.08.2022

From

The Superintending Engineer

To

M/s Anurag Engineers Pvt Ltd
EERA 61-A, Aramam, East Edavakkode
Sreekaryam PO
Thiruvananthapuram
695017

Sir,

Sub:- Jal Jeevan Mission- 2021-22-Construction, commissioning and maintenance of 8 LL OHSR, Providing distribution systems, providing FHTCs (230 Nos), Supply and erection and commissioning of Motor pump sets including road restoration at Nellaya panchayath in Palakkad District - work order issuing – reg.

Ref:- 1. Tender No.24/22-23/SE/PHC/PKD dated. 07.06.2022
2. Proceedings No.24/D11/2022/CENR-KKD dated 14.08.2022 of the Chief Engineer, Northern Region, KWA, Kozhikkode

With reference to the above, you are informed that your tender for the above work has been accepted at an amount of Rs 6,35,41,977/- (Rupees six Crore thirty five lakh forty one thousand nine hundred and seventy seven only) quoted by you which is 0.05% below the tendered PAC of Rs.6,35,73,764/- (excluding 18% GST). You are requested to attend this office on or before 05.09.2022 with stamp paper worth Rs. 63,600/- (Rupees sixty three thousand and six hundred only) and security deposit mentioned below and execute the agreement and start the above work within a week after getting necessary instructions from the Executive Engineer, P.H Division, Shornur.

Before executing the agreement on stamp paper you should deposit an amount of Rs. 19,06,300/- (Rupees Nineteen lakh six thousand and three hundred only) ie, 3% of agreed PAC as performance guarantee. At least 50% of this amount shall be furnished in the form of Treasury fixed deposit duly pledged in favour of the Superintending Engineer, PH. Circle, Kerala Water Authority, Palakkad and rest shall be in the form of guarantee issued from any Nationalized Bank or Scheduled Bank or Kerala Financial Corporation or any other forms prescribed in the PWD manual as security for the fulfillment of the contract.

Any failure to this direction will result in further action as per NIT conditions. The work



should be completed within 12 (Twelve) months from the date of award of the work.

Yours faithfully,

Rajagopalan E V
Superintending Engineer

Copy To

Copy submitted to the Chief Engineer (NR), Kozhikkode

Copy submitted to the Finance Manager & Chief Accounts officer, Jalabhavan,
KWA, Thiruvananthapuram.

Copy submitted to the RAO, KWA, Thiruvananthapuram.

Copy to Agreement.

Copy to the Executive Engineer, P.H. Division, Shornur.

Copy to M/s. CIPET, You are directed to test the pipes as per supply order.

Encl:

Accepted Schedule



ACCEPTED SCHEDULE

Tender Inviting Authority: Superintending Engineer, PH Circle, Palakkad

Name of Work: Jal Jeevan Mission- 2021-22- Providing FHTCs in Nellaya Grama Panchayath-Construction, commissioning and maintenance of 8 LL OHSR, Supply, erection and commissioning of motor pump sets, laying distribution lines and providing FHTCs(230 Nos) and LSGD road restoration works- Phase III

Contract No: **24/22-23/SE/PHC/PKD, dated 07.06.2022**

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 relevant 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 #	TEXT #
Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT Without Taxes in Rs. P	TOTAL AMOUNT In Words
1	2	4	5	6	53	55
1	Street Main Extension					
1.001	Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 1.5 m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m :All kinds of soil (Ref. Item No. 2.10.1 of DSR)	8400.000	cum	552.07	4637388.00	INR Forty Six Lakh Thirty Seven Thousand Three Hundred & Eighty Eight Only
1.002	Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 1.5 m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m :"Ordinary Rock. (Ref. Item No. 2.13.1 of DSR)	3600.000	cum	801.76	2886336.00	INR Twenty Eight Lakh Eighty Six Thousand Three Hundred & Thirty Six Only
1.003	Fencing one side of trenches, 1.50 m height with two rows of 10 cm plastic caution tape in vertical casuarina pole (girth 15cm to 24cm) fixed at 2 m intervals. (Data Prepared based on PWD SDB - Item No.1009)	4000.000	metre	27.89	111560.00	INR One Lakh Eleven Thousand Five Hundred & Sixty Only



1.004	"Laying HDPE pipes (IS : 4984)on land portion including conveying within initial lead and aligning the pipes, electro-fusion welding using automatic or semi automatic electrofusion machines, testing the pipe line thus fabricated to suit the hydraulic working pressure and after testing , aligning the pipeline, lowering the pipe in position into the trenches already made, testing the line to suitable pressure with potable water before back filling and leveling the trenches including all labour charge, hire for appliances etc. complete but excluding cost of pipe and fittings. 90 mm OD HDPE pipe"	24000.000	metre	92.71	2225040.00	INR Twenty Two Lakh Twenty Five Thousand &Forty Only
1.005	Conveying and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. but excluding cost of pipes and fittings - External work. 80 mm dia nominal bore Data derived from item no.18.12.8 of DARData for 10 m	9800.000	metre	207.31	2031638.00	INR Twenty Lakh Thirty One Thousand Six Hundred & Thirty Eight Only
1.006	"Conveying and fixing C.I. sluice valves (with cap) by providing complete with bolts, nuts, rubber insertions etc. excluding the cost of valve (the tail pieces if required will be paid separately) :80 mm diameter. Class I"Observed Data derived from item no.18.31.of DAR	20.000	Nos	584.34	11686.80	INR Eleven Thousand Six Hundred & Eighty Six and Paise Eighty Only
1.007	Conveying and fixing C I Single acting Air Valve of approved quality with bolts,nuts,rubber insertions etc . excluding the cost of air valve(the tail pieces if required will be paid seperately): 25 mm Single acting Air Valve Observed Data derived from item no.18.59.of DAR	25.000	Nos	139.60	3490.00	INR Three Thousand Four Hundred & Ninety Only
1.008	Inter connection of newly laid line with existing line of all classes and sizes of pipes including earth work,required pipe and specials etc.complete as per direction	30.000	No	1290.23	38706.90	INR Thirty Eight Thousand Seven Hundred & Six and Paise Ninety Only
1.009	Cutting the bituminous / concrete roads with cutting machine for a minimum depth of 200mm along the sides of proposed alignment of the pipe to be laid without causing any damage to other utilities, including the charges for hire and conveyance of tools and plant, cost of consumables and charges for lighting, watching, ribbon fencing, caution boards, traffice diversion, and as per the direction of departmental officers etc. complete, before carrying out the demolition of bituminous / concrete road by mechanical means and carrying out the excavation.	21000.000	metre	30.25	635250.00	INR Six Lakh Thirty Five Thousand Two Hundred & Fifty Only
2	Cost of Materials					
2.001	Supply of PE Pipe, PE100, PN8, 90mm dia, conforming to IS 4984/2016.	24000.000	metre	213.70	5128800.00	INR Fifty One Lakh Twenty Eight Thousand Eight Hundred Only
2.002	Supply of 80 mm GI Pipe (M)	9800.000	metre	790.39	7745822.00	INR Seventy Seven Lakh Forty Five Thousand Eight Hundred & Twenty Two Only
2.003	Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Hand Wheel PN 1.6, Size 80mm.	20.000	No	3275.90	65518.00	INR Sixty Five Thousand Five Hundred & Eighteen Only
2.004	Supply of CI Air Valve, Conforming to IS 14848 - 2000, Single Orifice, Small Orifice Type S1, Size 25mm.	25.000	No	966.75	24168.75	INR Twenty Four Thousand One Hundred & Sixty Eight and Paise Seventy Five Only



2.005	Supply of specials for the above GI pipes - (5% of cost of pipes)	10000.000	metre	39.52	395200.00	INR Three Lakh Ninety Five Thousand Two Hundred Only
2.006	Supply of specials for the above HDPE pipes - (5% of cost of pipes)	24000.000	metre	10.70	256800.00	INR Two Lakh Fifty Six Thousand Eight Hundred Only
3	Providing FHTC's with 20 mm PE pipe					
3.001	Providing 15mm (1/2 inch) house connection with 15mm water meter from existing PVC / HDPE mains up to 110 mm dia., up to a length of 5m using 20mm (1/2 inch) PE Pipe, PE80, PN16, Conforming to IS 4984: 2016 or later edition and PP PN 16 Compression / GM / Brass specials viz. brass ferrule, brass hexagonal nipple, GM full way wheel valve, bend, MTA, FTA, couplers, PVC Service Saddle of suitable size etc. and connecting with the mains, testing the joints etc. complete including trenching and refilling in all kinds of soil up to a depth of 1.50m for main line tracing and trench of average cross section 0.3m x 0.75m for laying connection pipe and service pipe, fixing water meter, lighting, watching, providing caution boards, traffic control etc. complete including cost of materials, hire for tools, cost of consumables and labour charges, including the cost of tested Class B Multijet water meter with ISI mark and weather resistant PP / PE meter box of minimum size 300mm x 200mm x 150mm, but excluding charges for cutting the concrete / tarred / bituminous roads etc, and as per the direction of the departmental officers.	180.000	Nos	6972.64	1255075.20	INR Twelve Lakh Fifty Five Thousand & Seventy Five and Paise Twenty Only
3.002	Providing 15mm (1/2 inch) house connection with 15mm water meter from existing AC / GI mains up to 125 mm dia., up to a length of 5m using 20mm (1/2 inch) PE Pipe, PE80, PN16, Conforming to IS 4984: 2016 or later edition and PP PN 16 Compression / GM / Brass specials viz. brass ferrule, brass hexagonal nipple, GM full way wheel valve, bend, MTA, FTA, couplers, GI / MS Service Saddle of suitable size etc. and connecting with the mains, testing the joints etc. complete including trenching and refilling in all kinds of soil up to a depth of 1.50m for main line tracing and trench of average cross section 0.3m x 0.75m for laying connection pipe and service pipe, fixing water meter, lighting, watching, providing caution boards, traffic control etc. complete including cost of materials, hire for tools, cost of consumables and labour charges, including the cost of tested Class B Multijet water meter with ISI mark and weather resistant PP / PE meter box of minimum size 300mm x 200mm x 150mm, but excluding charges for cutting the concrete / tarred / bituminous roads etc, and as per the direction of the departmental officers.	25.000	Nos	7085.54	177138.50	INR One Lakh Seventy Seven Thousand One Hundred & Thirty Eight and Paise Fifty Only



3.003	Providing 15mm (1/2 inch) house connection with 15mm water meter from existing PVC / HDPE mains from 140mm to 200mm dia., up to a length of 5 m using 20mm (1/2 inch) PE Pipe, PE80, PN16, Conforming to IS 4984: 2016 or later edition and PP PN 16 Compression / GM / Brass specials viz. brass ferrule, brass hexagonal nipple, GM full way wheel valve, bend, MTA, FTA, couplers, PVC Service Saddle of suitable size etc. and connecting with the mains, testing the joints etc. complete including trenching and refilling in all kinds of soil up to a depth of 1.50m for main line tracing and trench of average cross section 0.3m x 0.75m for laying connection pipe and service pipe, fixing water meter, lighting, watching, providing caution boards, traffic control etc. complete including cost of materials, hire for tools, cost of consumables and labour charges, including the cost of tested Class B Multijet water meter with ISI mark and weather resistant PP / PE meter box of minimum size 300mm x 200mm x 150mm, but excluding charges for cutting the concrete / tarred / bituminous roads etc, and as per the direction of the departmental officers.	20.000	Nos	7065.04	141300.80	INR One Lakh Forty One Thousand Three Hundred and Paise Eighty Only
3.004	Providing 15mm (1/2 inch) house connection with 15mm water meter from existing CI mains from 150mm to 200mm dia., up to a length of 5 m using 20mm (1/2 inch) PE Pipe, PE80, PN16, Conforming to IS 4984: 2016 or later edition and PP PN 16 Compression / GM / Brass specials viz. brass ferrule, brass hexagonal nipple, GM full way wheel valve, bend, MTA, FTA, couplers etc. and connecting with the mains, testing the joints etc. complete including trenching and refilling in all kinds of soil up to a depth of 1.50m for main line tracing and trench of average cross section 0.3m x 0.75m for laying connection pipe and service pipe, fixing water meter, lighting, watching, providing caution boards, traffic control etc. complete including cost of materials, hire for tools, cost of consumables and labour charges, including the cost of tested Class B Multijet water meter with ISI mark and weather resistant PP / PE meter box of minimum size 300mm x 200mm x 150mm, but excluding charges for cutting the concrete / tarred / bituminous roads etc, and as per the direction of the departmental officers.	5.000	Nos	8383.01	41915.05	INR Forty One Thousand Nine Hundred & Fifteen and Paise Five Only



3.005	Providing additional length of house connection pipe using 20 mm (1/2 inch) PE Pipe, PE80, PN16, Conforming to IS 4984: 2016 or later edition and PN16 specials and testing the joints etc., by trenching and refilling in all kinds of soil with trench of average cross section 0.3m x 0.75m for laying of connection pipe and service pipe, lighting, watching, providing caution boards, traffic control etc., including cost of materials, hire for tools, cost of consumables and labour charges etc. complete, but excluding the cost of cutting of concrete / tarred / bituminous roads etc., and as per the directions of the department officers.	6900.000	metre	175.47	1210743.00	INR Twelve Lakh Ten Thousand Seven Hundred & Forty Three Only
3.006	Providing 15mm (1/2 inch) GM Air Valve in the water meter assembly for 15mm water connection, using 20mm (1/2 inch) PE Pipe, PE80, PN16, Conforming to IS 4984: 2016 or later edition and PP PN 16 Compression specials including cost of materials, consumables, hire for tools and labour charges etc. complete and as per the directions of the department officers.	120.000	Nos	991.67	119000.40	INR One Lakh Nineteen Thousand and Paise Forty Only
3.007	Providing 15mm PVC Tap in the water meter assembly for 15mm connection, using 20mm Indian Standard Class 6 uPVC pipes and specials including cost of materials, consumables, hire charges for tools and labour charges etc. complete and as per the direction of departmental officers.	230.000	Nos	568.71	130803.30	INR One Lakh Thirty Thousand Eight Hundred & Three and Paise Thirty Only
3.008	Providing Vertical stand post using 75 mm PVC Pipe for FHTC's	230.000	No	423.24	97345.20	INR Ninety Seven Thousand Three Hundred & Forty Five and Paise Twenty Only
3.009	Cost of Geo tagging	230.000	No	20.00	4600.00	INR Four Thousand Six Hundred Only
4	Construction of 8LL OHSR					
4.001	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up to 30 cm measured at a height of 1 m above ground level and removal of rubbish up to a distance of 50 m outside the periphery of the area cleared	272.000	sqm	14.69	3995.68	INR Three Thousand Nine Hundred & Ninety Five and Paise Sixty Eight Only
4.002	Demolishing brick work manually / by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-Charge.In cement mortar	7.200	cum	1719.48	12380.26	INR Twelve Thousand Three Hundred & Eighty and Paise Twenty Six Only
4.003	Brick work with common burnt clay modular bricks of class designation 7.5 in foundation and plinth in:	6.000	cum	6428.25	38569.50	INR Thirty Eight Thousand Five Hundred & Sixty Nine and Paise Fifty Only
4.004	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead up to 50 m and lift up to 1.5 m, disposed earth to be levelled and neatly dressed.All kinds of soil	80.411	cum	212.70	17103.42	INR Seventeen Thousand One Hundred & Three and Paise Forty Two Only



4.005	Earth work in excavation by mechanical means (Hydraulic excavator / manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead up to 50 m and lift up to 1.5 m, disposed earth to be levelled and neatly dressed. Ordinary rock	40.206	cum	412.27	16575.73	INR Sixteen Thousand Five Hundred & Seventy Five and Paise Seventy Three Only
4.006	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 nominal size)	5.962	cum	6772.67	40378.66	INR Forty Thousand Three Hundred & Seventy Eight and Paise Sixty Six Only
4.007	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer - in-charge. Note:- Cement content considered in this item is @ 330 kg/ cum. Excess or less cement used as per design mix is payable or recoverable separately.All work upto plinth level	40.050	cum	9355.22	374676.56	INR Three Lakh Seventy Four Thousand Six Hundred & Seventy Six and Paise Fifty Six Only
4.008	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer - in-charge. Note:- Cement content considered in this item is @ 330 kg/ cum. Excess or less cement used as per design mix is payable or recoverable separately.All work above plinth level upto floor V level	349.879	cum	10997.08	3847647.35	INR Thirty Eight Lakh Forty Seven Thousand Six Hundred & Forty Seven and Paise Thirty Five Only
4.009	Extra for providing richer mixes at all floor levels. Note:- Excess/less cement over the specified cement content used is payable/ recoverable separately.Providing M-30 grade concrete instead of M-25 grade BMC/RMC. (Note:- Cement content considered in M-30 is @ 340 kg/cum).	178.140	cum	81.59	14534.44	INR Fourteen Thousand Five Hundred & Thirty Four and Paise Forty Four Only
4.01	Extra for providing and mixing water proofing material in cement concrete work in doses by weight of cement as per manufacturer's specification .	59400.000	kg	1.35	80190.00	INR Eighty Thousand One Hundred & Ninety Only
4.011	Steel reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete upto plinth levelThermo - Mechanically Treated bars of grade Fe-500D or more	66875.742	kilogram	97.69	6533091.24	INR Sixty Five Lakh Thirty Three Thousand & Ninety One and Paise Twenty Four Only
4.012	Centering and shuttering including strutting, etc. and removal of form for:Foundations, footings, bases of columns, etc for mass concrete	51.360	sqm	333.24	17115.21	INR Seventeen Thousand One Hundred & Fifteen and Paise Twenty One Only



4.013	Centering and shuttering including strutting, etc. and removal of form for:	624.562	sqm	810.72	506344.90	INR Five Lakh Six Thousand Three Hundred & Forty Four and Paise Ninety Only
4.014	Centering and shuttering including strutting, etc. and removal of form for:	1588.440	sqm	645.79	1025798.67	INR Ten Lakh Twenty Five Thousand Seven Hundred & Ninety Eight and Paise Sixty Seven Only
4.015	Centering and shuttering including strutting, etc. and removal of form for:Columns, Pillars, Piers, Abutments, Posts and Struts	332.282	sqm	858.29	285194.32	INR Two Lakh Eighty Five Thousand One Hundred & Ninety Four and Paise Thirty Two Only
4.016	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in:	9.255	cum	8879.35	82178.38	INR Eighty Two Thousand One Hundred & Seventy Eight and Paise Thirty Eight Only
4.017	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate)finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete.40 mm thick with 20 mm nominal size stone aggregate	14.440	sqm	583.00	8418.52	INR Eight Thousand Four Hundred & Eighteen and Paise Fifty Two Only
4.018	12 mm cement plaster finished with a floating coat of neat cement of mix:	2998.912	sqm	383.97	1151492.24	INR Eleven Lakh Fifty One Thousand Four Hundred & Ninety Two and Paise Twenty Four Only
4.019	12 mm cement plaster finished with a floating coat of neat cement of mix:	727.836	sqm	398.73	290210.05	INR Two Lakh Ninety Thousand Two Hundred & Ten and Paise Five Only
4.02	Extra for providing and mixing water proofing material in cement plaster work in proportion recommended by the manufacturers.	53611.200	kg	1.41	75591.79	INR Seventy Five Thousand Five Hundred & Ninety One and Paise Seventy Nine Only
4.021	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift up to 1.5 m.Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift up to 1.5 m.	73.984	cum	256.97	19011.67	INR Nineteen Thousand &Eleven and Paise Sixty Seven Only
4.022	Finishing with Deluxe Multi surface paint system for interiors and exteriors using primer as per manufacturers specifications:Two or more coats applied on walls @ 1.25 ltr/10 sqm over and including one coat of special primer applied @ 0.75 ltr /10 sqm	3537.050	sqm	166.35	588388.27	INR Five Lakh Eighty Eight Thousand Three Hundred & Eighty Eight and Paise Twenty Seven Only
4.023	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer.	455.000	kg	184.88	84120.40	INR Eighty Four Thousand One Hundred & Twenty and Paise Forty Only
4.024	Providing and fixing 1 mm thick M.S. sheet sliding- shutters, with frame and diagonal braces of 40x40x6 mm angle iron, 3 mm M.S. gusset plates at the junction and corners, 25 mm dia pulley, 40x40x6 mm angle and T-iron guide at the top and bottom respectively, including applying a priming coat of approved steel primer.	4.350	sqm	5839.66	25402.52	INR Twenty Five Thousand Four Hundred & Two and Paise Fifty Two Only



4.025	Filling water with 5000 litre tankers fitted in lorry and conveying water from a distance of 5 km (average) to the reservoir site and pumping the water into the reservoir of height not less than 3 m using 5 HP diesel engine pump set , hire for tanker lorry, tools and other appliances and cost of water etc. complete."(Ref. No. 000, Technical Circular)"	800.000	Kilo litre	184.24	147392.00	INR One Lakh Forty Seven Thousand Three Hundred & Ninety Two Only
4.026	Supplying and Fixing Water level indicator including all accessories as per the direction of Engineer charge as specified in the NIT	1.000	No	10000.00	10000.00	INR Ten Thousand Only
4.027	Supplying and fixing Lightning Arrester including lightning conductor of GI 7/10 inch SWG (10mm) diameter standard wire with lightning rod of 25mm diameter, 0.9 meters long with earth electrode 25mm diameter, 2.75 meters long GI pipe from ground level connecting 50mm diameter, 1.40 meters long perforated GI pipe including fixing of clamps as per IS:2309. fixing all accessories etc complete	1.000	No	60000.00	60000.00	INR Sixty Thousand Only
4.028	Conveying and laying Double Flanged (Screwed / Welded) Centrifugally (Spun) Ductile Iron Pipes of Class K-9 conforming to IS: 8329:K-9 conforming to IS: 8329 excluding cost of pipe and specials: 500 mm dia Ductile Iron Double Flanged"Data derived from 18.73.9 in DAR	22.000	mm	496.96	10933.12	INR Ten Thousand Nine Hundred & Thirty Three and Paise Twelve Only
4.029	Conveying and laying Double Flanged (Screwed / Welded) Centrifugally (Spun) Ductile Iron Pipes of Class K-9 conforming to IS: 8329:K-9 conforming to IS: 8329 excluding cost of pipe and specials: 250 mm dia Ductile Iron Double Flanged"Data derived from 18.73.4 in DAR	52.000	metre	197.27	10258.04	INR Ten Thousand Two Hundred & Fifty Eight and Paise Four Only
4.03	"Conveying and fixing C.I. sluice valves (with cap) by providing complete with bolts, nuts, rubber insertions etc. excluding the cost of valve (the tail pieces if required will be paid separately) :250 mm diameter. Class I"Data derived from item no.18.31.5.1 of DAR	2.000	Nos	2194.40	4388.80	INR Four Thousand Three Hundred & Eighty Eight and Paise Eighty Only
4.031	Conveying and fixing C.I. sluice valves (with cap) by providing complete with bolts, nuts, rubber insertions etc. excluding the cost of valve (the tail pieces if required will be paid separately) : 500 mm diameter. Class I"Observed Data derived from item no.18.31.of DAR	1.000	Nos	6633.37	6633.37	INR Six Thousand Six Hundred & Thirty Three and Paise Thirty Seven Only
4.032	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)	0.338	cum	7166.48	2422.27	INR Two Thousand Four Hundred & Twenty Two and Paise Twenty Seven Only
4.033	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. up tot floor five level excluding cost of centering, shuttering, finishing and reinforcement :1:1.5:3(1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	1.924	cum	10886.18	20945.01	INR Twenty Thousand Nine Hundred & Forty Five and Paise One Only



4.034	Centering and shuttering including strutting, etc. and removal of form for:Walls (any thickness) including attached pilasters, buttersses, plinth and string courses etc.	9.480	sqm	712.76	6756.96	INR Six Thousand Seven Hundred & Fifty Six and Paise Ninety Six Only
4.035	12 mm cement plaster of mix:	14.730	sqm	312.15	4597.97	INR Four Thousand Five Hundred & Ninety Seven and Paise Ninety Seven Only
4.036	Supplying and fixing 500mm dia CI manhole cover with frame(medium duty) charges including all cost, labour charges etc complete.	4.000	Nos	7460.57	29842.28	INR Twenty Nine Thousand Eight Hundred & Forty Two and Paise Twenty Eight Only
4.037	Lettering with black Japan pint of approved brand and manufacture	150.000	Each	5.52	828.00	INR Eight Hundred & Twenty Eight Only
4.038	Providing and laying D.I Specials of Class K - 12 suitable for mechanical jointing as per IS : 9523 :	4.680	quintal	21014.26	98346.74	INR Ninety Eight Thousand Three Hundred & Forty Six and Paise Seventy Four Only
4.039	Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 1.5 m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidatingeach deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m :All kinds of soil (Ref. Item No. 2.10.1 of DSR)	39.600	cum	552.07	21861.97	INR Twenty One Thousand Eight Hundred & Sixty One and Paise Ninety Seven Only
4.04	Conveying and laying S&S centrifugally cast (spun) iron pipes (Class LA) conforming to IS - 1536 excluding cost of pipe and specials: 250 mm dia pipeData derived from 18.27.5 in DAR	250.000	metre	209.94	52485.00	INR Fifty Two Thousand Four Hundred & Eighty Five Only
4.041	Providing flanged joints to double flanged C.I./ D.I pipes and specials, including testing of joints:250 mm diameter pipe	6.000	Nos	567.03	3402.18	INR Three Thousand Four Hundred & Two and Paise Eighteen Only
4.042	Providing push - on-joints to Centrifugally (Spun) Cast Iron Pipes or Ductile Iron Pipes including testing of joints and including the cost of rubber gasket:250 mm dia pipes	10.000	joint	314.03	3140.30	INR Three Thousand One Hundred & Forty and Paise Thirty Only
4.043	Labour for cutting C.I. pipe with steel saw.250 mm diameter C.I. pipe	8.000	Each	532.32	4258.56	INR Four Thousand Two Hundred & Fifty Eight and Paise Fifty Six Only
4.044	Testing 250mm DI/CI pipeline with potable water to the required test pressure . 250 mm dia Observed Data derived from item no.1022 of PHED DATA	60.000	metre	50.61	3036.60	INR Three Thousand &Thirty Six and Paise Sixty Only
4.045	Supply of DI K9 Pipe Conforming to IS 8329/2000, 250mm Dia.	60.000	metre	2811.20	168672.00	INR One Lakh Sixty Eight Thousand Six Hundred & Seventy Two Only
4.046	Reinstating the damaged scour line of Water treatment plant and providing temporary sludge tank for the construction of new tank including construction of permanent sludge tank	1.000	Set	300000.00	300000.00	INR Three Lakh Only
5	LSGD Road restoration					



5.001	Supply ,stacking,spreading and consolidating of Quarry Muck in the trench of pipe line, including carriage, loading ,unloading & stacking up to any lead.	900.000	cum	546.31	491679.00	INR Four Lakh Ninety One Thousand Six Hundred & Seventy Nine Only
5.002	Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 40 mm nominal size) in pavements, laid to required slope and camber in panels as required including consolidation finishing and tamping complete	675.000	cum	8002.47	5401667.25	INR Fifty Four Lakh One Thousand Six Hundred & Sixty Seven and Paise Twenty Five Only
5.003	Construction of granular sub- base by Providing close graded Material conforming to specifications, mixing in a mechanical mix plant at OMC, Carriage of mixed material by tippers to work site, for all leads & lifts, spreading in uniform layers of specified thickness with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications and directions of Engineer-in- Charge.With material conforming to Grade - III (size range 26.5 mm to 0.075 mm) having CBR Value - 20	900.000	cum	2894.83	2605347.00	INR Twenty Six Lakh Five Thousand Three Hundred & Forty Seven Only
5.004	Providing , laying spreading and compacting graded stone aggregate (size range 53 mm to 0.075 mm) to wet mix macadam (WMM) specification including premixing the material with water at OMC in mechanical mix plant, carriage of mixed material by tipper to site, for all leads & lifts, laying in uniform layers with mechanical paver finisher in sub - base / base course on well prepared surface and compacting with vibratory roller of 8 to 10 tonne capacity to achieve the desired density, complete as per specifications and directions of Engineer - in-Charge.	900.000	cum	3089.88	2780892.00	INR Twenty Seven Lakh Eighty Thousand Eight Hundred & Ninety Two Only
5.005	5.1.1a Prime Coat :- Low porosity Providing and applying primer coat with bitumen emulsion (SS-1) on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.70-1.0 kg/sqm using mechanical means as per Technical Specification Clause 502	6000.000	sqm	57.47	344820.00	INR Three Lakh Forty Four Thousand Eight Hundred & Twenty Only
5.006	Tack Coat Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion distributor at the rate of 0.25 to 0.30 kg per sqm on the prepared granular surfaces treated with primer & cleaned with Hydraulic broom as per Technical Specification Clause 503.	18000.000	sqm	12.27	220860.00	INR Two Lakh Twenty Thousand Eight Hundred & Sixty Only
5.007	2.5 cm premix carpet surfacing with 2.25 cum and 1.12 cum of stone chippings of 13.2 mm and 11.2 mm size respectively per 100 sqm and 52 kg and 56 kg of hot bitumen per cum of stone chippings of 13.2 mm and 11.2 mm size respectively, including a tack coat with hot straight run bitumen, including consolidation with road roller of 6 to 9 tonne capacity etc. complete (tack coat to be paid for separately):With Refinery Modified Bitumen CRMB 55 conforming to IRC:SP:53 - 1999	18000.000	sqm	259.93	4678740.00	INR Forty Six Lakh Seventy Eight Thousand Seven Hundred & Forty Only
6	Supply, Erection and Commisioining of Clear water Pimp Sets and allied works					



6.001	Supply, erection testing and commissioning of KWA pre-qualified reputed make centrifugal motor pumpset with Discharge: 78 LPS, Head: 20 m with panel board, starter, suitable length of cable, suction pipe, foot valve, NRV, sluice valve, earthing etc complete including 2 years maintenance. Pump should have bronze/SS impeller, SS shaft and CI pump casing with suitable type base plate with coupling, coupling guard foundation bolts & nuts etc. complete suitable for coupling the pump and motor above the base plate etc. complete including providing suitable concrete foundation including cost of cement sand and metal etc. complete. The motor should be of KWA pre-qualified reputed make Horizontal solid shaft foot mounted TEFC squirrel cage induction motor suitable for the above pump working 3 phase 50 Hz AC supply, working voltage 415 V/3300V (select the suitable). The motor shall confirm to EEF/IS 325 including providing suitable concrete foundation including cost of cement sand and metal etc. complete For 3300V motors digital motor protection relay shall be included in starter as per present IE rules. Flexible coupling shall be used for coupling of pumps and motors. The starter should be of suitable rating (Fully Automatic starter with air break contac) with over voltage and under voltage protection, single phase preventer, over load relay with motor protection relay with main contactor and bypass contactor as per IE rules and code of practice etc.complete.(2nos x 35HP=70HP)	70.000	Hp	15720.67	1100446.90	INR Eleven Lakh Four Hundred & Forty Six and Paise Ninety Only
6.002	Submitting application in Electrical Inspectorate for sanctioning additional load and getting energisation certificate as per IE rules including all fees to be remitted.	1.000	Set	25000.00	25000.00	INR Twenty Five Thousand Only
6.003	Supply, erection and commissioning of the Air Blower of Capacity: 950 m3/hr Recommended Motor HP : 20 	1.000	No	290375.00	290375.00	INR Two Lakh Ninety Thousand Three Hundred & Seventy Five Only
6.004	Cutting and removing the existing GI pipe fixed in the delivery line of Air Compressor and fabricating and fixing new suitable GI pipe to air compressor to ensure smooth air flow to the filter beds for proper back washing	1.000	Set	150000.00	150000.00	INR One Lakh Fifty Thousand Only
Total in Figures					63573764.000	INR Two Crore Ninety Five Lakh Four Thousand Three Hundred & Twenty Nine and Paise Fifteen Only
Quoted Rate in Figures					63541977.118	INR Six Crore Thirty Five Lakh Forty One Thousand Nine Hundred & Seventy Seven and Paise Twelve Only
Quoted Rate in Words					INR Six Crore Thirty Five Lakh Forty One Thousand Nine Hundred & Seventy Seven and Paise Twelve Only	
Accepted Amount		63541977.00	INR Six Crore Thirty Five Lakh Forty One Thousand Nine Hundred & Seventy Seven Only			

