

LETTER OF ACCEPTANCE

To,
Sri/Smt M/s.M S MEC ENGINEERS INDIA
PAN : AAEFM6414A

Your e-Tender No WRD/KWA-CE(CR)/TR/6970/2022_5_3_2/RC 1/1 dated 07-12-2023 for the Jal Jeevan Mission (JJM)-WSS - to Santhanpara, Rajakumary (Part) and Senapathy (Part) Panchayaths in Idukki District-Package IV- Clear Water Pumping Main, Sump cum pump house, GLSR in Santhanpara GP-General Civil Work has been accepted for a quoted amount of **Rs. 122066885/- (Rupees Twelve Crore Twenty Lakh Sixty Six Thousand Eight Hundred and Eighty Five only)** based on rates quoted for **individual items** which is mentioned in the accompanying schedule. You are directed to submit the stamp GRN ID/Stamp paper, Performance Guarantee and Additional Performance Guarantee as mentioned below and execute an agreement and start the work within a week after getting necessary instructions from the **Executive Engineer(Project Division Kattapana)**. The time allowed for executing agreement without fine will be **28 (Twenty Eight)** working days from the date of issue of letter of acceptance and a further period of **10 (Ten)**days time will be allowed to execute the agreement after realizing a fine of **Rs. 25000/- (Twenty Five Thousand Only)** .This fine shall be remitted in favour of the Managing Director, Kerala Water Authority, Account No - STSB 701011400000181, District Treasury, Thiruvananthapuram through e-treasury payment gateway.

1. stamp paper required value **RS. 100000/- (One Lakh Only)** shall be submitted to the Agreement Authority. (subject to govt orders)

2. Before executing the agreement, you should deposit a Performance Guarantee of **3%** of contract value, ie. **Rs. 3662007/- (Rupees Thirty Six Lakh Sixty Two Thousand Seven only)** and should be submitted within **28 (Twenty Eight) days** of receipt of this LOA (Letter of Acceptance) as below.

a) At least **Fifty (50%)** of Performance Guarantee shall be in the form of Treasury Fixed Deposit in the name of Agreement Authority for a period not less than 28 (twenty eight) days after the completion of defect liability period.

b) Balance Performance Guarantee shall be in the form of bank guarantee. Bank Guarantee is to be submitted in the format prescribed by the Employer in the bid document. Bank Guarantee shall be unconditional and it shall be from any Nationalized/ Scheduled Bank/ Kerala Financial Corporation/ District Co-operative Banks, Primary Co-operative Banks, Urban Co-operative Banks or any other forms prescribed in the revised PWD Manual to be submitted before executing agreement and shall be valid till 28 (twenty eight) days after the completion of defect liability of the Work, in approved format. The Bank Guarantee on instalment basis with lesser period of validity shall not be accepted.

3. An Additional Performance Guarantee of **Rs. 0/- (Rupees only)** shall be also deposited for unbalanced price in addition to the normal Performance Guarantee in the following form and it should be to be submitted before executing agreement.

a) At least Fifty percent (50%) of Additional Performance Guarantee shall be in the form of Treasury Fixed Deposit in the name of Agreement Authority for a period not less than 28 (twenty eight) days after the completion of the work.

b) Balance Additional Performance Guarantee shall be in the form of bank guarantee. Bank Guarantee is to be submitted in the format prescribed by the Employer in the bid document. Bank Guarantee shall be unconditional and it shall be from any Nationalized/ Scheduled Bank/ Kerala Financial Corporation/ District Co-operative Banks, Primary Co-operative Banks, Urban Co-operative Banks or any other forms prescribed in the revised PWD Manual and shall be valid till 28(twenty eight) days after the completion of the Work, in approved format. The Bank Guarantee on instalment basis or with lesser period of validity shall not be accepted.

OR

a) Full amount of additional performance guarantee shall be accepted in case of guarantees issued by Kerala Financial

Corporation

4. In addition to Performance Guarantee and Additional Performance Guarantee, Performance Security Deposit at the rate 2.5% of Bill amount will be deducted from running bills .

5. Solicitor's fee, if any, to be paid to the Law Officers of Government for scrutinising or drawing up of agreements- will be paid and the same recovered from the successful bidder.

6. You are requested to take an Insurance cover for this work for an amount of Rs. **500000 /-** (**Rupees Five Lakh only**) and submit the same within 15 days of Start of work subjected to the provisions provided in the Bid Document. 0.2% of the Contract Amount will be deducted in the event of failure to submit the Insurance to the concerned Authorities as noted above. (The value shall be generally 0.5% of the Contract Value subject to a minimum of Rs. 2.00 lakh and maximum of Rs. 5.00 lakh.).

7. Engineering personnel in addition to other supporting staff as detailed below for tenure of the contract for works supervision shall be employed.

Works Manager- 1no.(Civil Engineering Graduate with minimum 3 years experience), Site Engineer - 2 nos (1 no for supervision and 1 no for Quality Control) (Civil Engineering graduate with minimum 1 year experience), Supervisor - 2 nos (Civil Engineering Diploma holder with minimum 1 year experience) and Supervisor(Mechanical) (if required) - 1 no (Mechanical Engineering Diploma holder with minimum 1 year experience).

8. The Contractor shall enter into a Contract Agreement with the Agreement Authority within 28 Twenty Eight working days from the date of 'Acceptance of Tender' or within such extended time as may be granted by the Agreement Authority. The date of despatch of Letter of Acceptance through Contractors Portal shall be the date of Acceptance of Tender.

9. In the eventuality of failure to produce the original documents, or submit the performance security, or enter into agreement with the Agreement Authority within the specified time limit, the Bidder shall be debarred in future from participating in all Government Bids for three years and will be recommended for blacklisting by the competent authority. In such cases, the Government may rearrange the work otherwise or get it done departmentally at the risk and the cost of the Bidder and the loss so sustained by the Government can be realized from the Bidder under the Revenue recovery Act or otherwise the Government may decide.

10. The work should be completed in all respects within **1 year** from the date of handing over the site.

11. Defect Liability period will be **2 years**

12. All the details mentioned above shall be submitted to the Agreement Authority within 14 (fourteen) days from the date of 'Acceptance of Tender' or within such extended time as may be granted by the Agreement Authority.

13. All the terms and conditions of the Notice Inviting tenders and tender shall be binding on the Contractor.

Praveen K S(G10554)
Superintending Engineer

ACCEPTED SCHEDULE

Name of Work: Jal Jeevan Mission (JJM)-WSS - to Santhanpara, Rajakumary (Part) and Senapathy (Part) Panchayaths in Idukki District-Package IV- Clear Water Pumping Main, Sump cum pump house, GLSR in Santhanpara GP-General Civil Work (DSR 2018 with Cost Index 141.53)

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
1	Supply and laying Clear water pumping main-Cost of materials					
1.001	100.98.118 - Supply of DI K9 Pipe Conforming to IS 8329/2000, 250mm Dia.	5435.000	metre	3964.00	21544340.00	Rupees Two Crore Fifteen Lakh Forty Four Thousand Three Hundred Forty Zero Only
1.002	100.98.117 - Supply of DI K9 Pipe Conforming to IS 8329/2000, 200mm Dia.	4137.000	metre	2838.00	11740806.00	Rupees One Crore Seventeen Lakh Forty Zero Thousand Eight Hundred Six Only
1.003	100.98.116 - Supply of DI K9 Pipe Conforming to IS 8329/2000, 150mm Dia.	2252.000	metre	2072.00	4666144.00	Rupees Forty Six Lakh Sixty Six Thousand One Hundred Forty Four Only
1.004	OD182653/2023-2024 - Supply of 150mm GI medium pipe	7434.000	metre	2292.00	17038728.00	Rupees One Crore Seventy Zero Lakh Thirty Eight Thousand Seven Hundred Twenty Eight Only
1.005	OD182904/2023-2024 - Supply of 100 mm GI(m) pipe	1085.000	metre	1470.00	1594950.00	Rupees Fifteen Lakh Ninety Four Thousand Nine Hundred Fifty Zero Only
1.006	OD182905/2023-2024 - Specials for 100 mm GI pipe excluding GST(5% of cost of pipe)	1105.000	L.S	74.00	81770.00	Rupees Eighty One Thousand Seven Hundred Seventy Zero Only
1.007	OD182909/2023-2024 - Supplying 150 mm G.I Medium pipe specials	6117.000	metre	115.00	703455.00	Rupees Seven Lakh Three Thousand Four Hundred Fifty Five Only
1.008	100.98.441 - Supply of CI Air Valve, Conforming to IS	20.000	no	6697.00	133940.00	Rupees One Lakh Thirty

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	14848 - 2000, Single Orifice, Small Orifice Type S1, Size 40mm.					Three Thousand Nine Hundred Forty Zero Only
1.009	100.98.440 - Supply of CI Air Valve, Conforming to IS 14848 - 2000, Single Orifice, Small Orifice Type S1, Size 25mm.	22.000	no	6178.00	135916.00	Rupees One Lakh Thirty Five Thousand Nine Hundred Sixteen Only
1.010	100.98.458 - Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.6, Size 100mm.	1.000	no	9868.00	9868.00	Rupees Nine Thousand Eight Hundred Sixty Eight Only
1.011	100.98.460 - Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.6, Size 150mm.	3.000	no	14683.00	44049.00	Rupees Forty Four Thousand Zero Forty Nine Only
1.012	100.98.461 - Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.6, Size 200mm.	2.000	no	26001.00	52002.00	Rupees Fifty Two Thousand Zero Two Only
1.013	100.98.462 - Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.6, Size 250mm.	1.000	no	37661.00	37661.00	Rupees Thirty Seven Thousand Six Hundred Sixty One Only
2	Supply and laying Clear water pumping main-Working charges					
2.001	100.1.1 - Excavating trenches of required width for pipes, cables, etc., including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 1.5m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20cm in depth, including consolidating each deposited layer by ramming, watering, etc., and disposing of surplus excavated soil as directed, within a lead of 50m, in all kinds of soil.	8204.970	cum	636.00	5218360.92	Rupees Fifty Two Lakh Eighteen Thousand Three Hundred Sixty Zero And Ninety Two paise Only
2.002	100.1.5 - Excavating trenches of required width for pipes, cables, etc., including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 1.5m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20cm in depth, including consolidating each deposited	1640.994	cum	923.00	1514637.46	Rupees Fifteen Lakh Fourteen Thousand Six Hundred Thirty Seven And Forty Six paise Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	layer by ramming, watering, etc., and disposing of surplus excavated soil as directed, within a lead of 50 m, in Ordinary Rock.					
2.003	100.2.2 - Excavation work by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5m in width or 10m ² on plan), including dressing of sides and ramming of bottoms, lift up to 1.5m, including getting out the excavated soil and disposal of surplus excavated soils as directed, within a lead of 50m, in Medium Rock where Blasting is Prohibited.	543.569	cum	1213.00	659349.20	Rupees Six Lakh Fifty Nine Thousand Three Hundred Forty Nine And Twenty Zero paise Only
2.004	100.1.13 - Excavating trenches of required width for pipes, cables, etc., including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 1.5m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20cm in depth, including consolidating each deposited layer by ramming, watering, etc., and disposing of surplus excavated soil as directed, within a lead of 50m, in Hard Rock where Blasting is Prohibited.	546.998	cum	1780.00	973656.44	Rupees Nine Lakh Seventy Three Thousand Six Hundred Fifty Six And Forty Four paise Only
2.005	100.8.1 - Fencing one side of trenches, 1.50m height with two rows of 10cm plastic caution tape in vertical casuarina pole (girth 15cm to 24cm) fixed at 2m intervals.	20341.000	metre	32.00	650912.00	Rupees Six Lakh Fifty Zero Thousand Nine Hundred Twelve Only
2.006	100.59.1 - 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, traffic diversion, and as per the direction of departmental officers etc. complete, before	1850.000	metre	35.00	64750.00	Rupees Sixty Four Thousand Seven Hundred Fifty Zero Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	carrying out the demolition of bituminous / concrete road by mechanical means and carrying out the excavation.					
2.007	OD196216/2023-2024 - Dismantling manually / by mechanical means and disposal of material within 50 metres lead as per direction of Engineer - in-Charge. Bituminous road	222.000	sqm	101.00	22422.00	Rupees Twenty Two Thousand Four Hundred Twenty Two Only
2.008	15.2.1 - Demolishing cement concrete manually / by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in-Charge.Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	76.500	cum	2340.00	179010.00	Rupees One Lakh Seventy Nine Thousand Zero Ten Only
2.009	100.12.9 - Conveying and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc., but excluding cost of pipes and fittings for External work: 100mm diameter nominal bore.	1105.000	metre	269.00	297245.00	Rupees Two Lakh Ninety Seven Thousand Two Hundred Forty Five Only
2.010	100.12.11 - Conveying and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc., but excluding cost of pipes and fittings for External work: 150mm diameter nominal bore.	7434.000	metre	333.00	2475522.00	Rupees Twenty Four Lakh Seventy Five Thousand Five Hundred Twenty Two Only
2.011	OD196370/2023-2024 - Testing 100mm GI/MS pipeline with potable water to the required test pressure	1105.000	metre	27.00	29835.00	Rupees Twenty Nine Thousand Eight Hundred Thirty Five Only
2.012	OD196371/2023-2024 - Testing 150mm GI/MS pipeline with potable water to the required test pressure	7434.000	metre	36.00	267624.00	Rupees Two Lakh Sixty Seven Thousand Six Hundred Twenty Four Only
2.013	100.14.2 - Conveying and laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS: 8329 excluding cost of pipes and specials: 150mm diameter Ductile Iron Class K-9 Pipes.	2286.000	metre	100.00	228600.00	Rupees Two Lakh Twenty Eight Thousand Six Hundred Zero Only
2.014	18.30.4 - Providing flanged joints to double flanged C.I./D.I pipes and specials,	15.000	no	440.00	6600.00	Rupees Six Thousand Six Hundred Zero

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	including testing of joints:150 mm diameter pipe					Only
2.015	18.70.2 - 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:150 mm dia pipes	425.000	joint	201.00	85425.00	Rupees Eighty Five Thousand Four Hundred Twenty Five Only
2.016	OD167295/2023-2024 - Labour for cutting Ductile Iron pipe with steel saw.150 mm diameter Ductile Iron. pipe	40.000	no	370.00	14800.00	Rupees Fourteen Thousand Eight Hundred Zero Only
2.017	100.35.2 - Testing 150mm DI/CI pipeline with potable water to the required test pressure 150 mm dia Observed Data derived from item no.1018 of PHED DATA	2286.000	metre	36.00	82296.00	Rupees Eighty Two Thousand Two Hundred Ninety Six Only
2.018	100.14.3 - Conveying and laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS: 8329 excluding cost of pipes and specials: 200mm diameter Ductile Iron Class K-9 Pipes.	4109.000	metre	140.00	575260.00	Rupees Five Lakh Seventy Five Thousand Two Hundred Sixty Zero Only
2.019	18.30.5 - Providing flanged joints to double flanged C.I./ D.I pipes and specials, including testing of joints:200 mm diameter pipe	15.000	no	479.00	7185.00	Rupees Seven Thousand One Hundred Eighty Five Only
2.020	18.70.3 - 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:200 mm dia pipes	760.000	joint	296.00	224960.00	Rupees Two Lakh Twenty Four Thousand Nine Hundred Sixty Zero Only
2.021	OD167296/2023-2024 - Labour for cutting DI pipe with steel saw 200 mm diameter of DI Pipe	26.000	Each Cut	493.00	12818.00	Rupees Twelve Thousand Eight Hundred Eighteen Only
2.022	100.35.3 - Testing 200mm DI/CI pipeline with potable water to the required test pressure 200 mm dia Observed Data derived from item no.1020 of PHED DATA	4109.000	metre	46.00	189014.00	Rupees One Lakh Eighty Nine Thousand Zero Fourteen Only
2.023	100.14.4 - Conveying and laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS: 8329	5407.000	metre	187.00	1011109.00	Rupees Ten Lakh Eleven Thousand One Hundred Nine

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	excluding cost of pipes and specials: 250mm diameter Ductile Iron Class K-9 Pipes.					Only
2.024	18.30.6 - Providing flanged joints to double flanged C.I./D.I pipes and specials, including testing of joints:250 mm diameter pipe	7.000	no	653.00	4571.00	Rupees Four Thousand Five Hundred Seventy One Only
2.025	18.70.4 - 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	990.000	joint	362.00	358380.00	Rupees Three Lakh Fifty Eight Thousand Three Hundred Eighty Zero Only
2.026	OD167297/2023-2024 - Labour for cutting DI pipe with steel saw 250 mm diameter DI Pipe	20.000	Each Cut	613.00	12260.00	Rupees Twelve Thousand Two Hundred Sixty Zero Only
2.027	100.35.4 - 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	5407.000	metre	58.00	313606.00	Rupees Three Lakh Thirteen Thousand Six Hundred Six Only
2.028	100.37.5.1 - In situ fabrication of M.S. pipes of size 100mm (I.D.) using 8mm thick M.S. plate including cost and conveyance charges of M.S. plate, all fabrication charges, charges of painting the steel work with two or more coat deluxe multi surface paint to give an even shade over an under-coat of primer etc., complete.	48.000	metre	4584.00	220032.00	Rupees Two Lakh Twenty Thousand Zero Thirty Two Only
2.029	100.37.5.2 - Fabricating M.S. flanges of diameter 100mm using 12mm thick M.S. plate including cost and conveyance charges of M.S. plate, all fabrication charges, charges of painting the steel work with two or more coat deluxe multi surface paint to give an even shade over an under-coat of primer etc., complete: For pipes fabricated with 8mm thick M.S. plates.	20.000	no	1273.00	25460.00	Rupees Twenty Five Thousand Four Hundred Sixty Zero Only
2.030	100.37.5.3 - Cutting 100mm (I.D.) M.S. pipes for making bends and other specials by gas cutting including cost of gas, all labour and hire charges of tools etc.,	24.000	no	131.00	3144.00	Rupees Three Thousand One Hundred Forty Four Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	complete: For pipes fabricated with 8mm thick M.S. plates.					
2.031	100.37.5.4 - Welding 100mm (I.D.) M.S. pipes for making bends and other specials by gas/electric welding machine including cost of gas and welding rods, all labour and hire charges of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates.	24.000	no	496.00	11904.00	Rupees Eleven Thousand Nine Hundred Four Only
2.032	100.37.5.5 - Grinding cut and weld edges of 100mm (I.D.) M.S. pipes during fabrication work including all labour and hire charges of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates.	48.000	no	93.00	4464.00	Rupees Four Thousand Sixty Four Only
2.033	100.37.6.1 - In situ fabrication of M.S. pipes of size 150mm (I.D.) using 8mm thick M.S. plate including cost and conveyance charges of M.S. plate, all fabrication charges, charges of painting the steel work with two or more coat deluxe multi surface paint to give an even shade over an under-coat of primer etc., complete.	80.000	metre	5671.00	453680.00	Rupees Four Lakh Fifty Three Thousand Six Hundred Eighty Zero Only
2.034	100.37.6.2 - Fabricating M.S. flanges of diameter 150mm using 12mm thick M.S. plate including cost and conveyance charges of M.S. plate, all fabrication charges, charges of painting the steel work with two or more coat deluxe multi surface paint to give an even shade over an under-coat of primer etc., complete: For pipes fabricated with 8mm thick M.S. plates.	30.000	no	1692.00	50760.00	Rupees Fifty Zero Thousand Seven Hundred Sixty Zero Only
2.035	100.37.6.3 - Cutting 150mm (I.D.) M.S. pipes for making bends and other specials by gas cutting including cost of gas, all labour and hire charges of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates.	40.000	no	188.00	7520.00	Rupees Seven Thousand Five Hundred Twenty Only
2.036	100.37.6.4 - Welding 150mm (I.D.) M.S. pipes for making bends and other specials by gas/electric welding machine including cost of gas and welding rods, all labour and hire charges of tools etc., complete: For pipes fabricated	40.000	no	710.00	28400.00	Rupees Twenty Eight Thousand Four Hundred Zero Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	with 8mm thick M.S. plates.					
2.037	100.37.6.5 - Grinding cut and weld edges of 150mm (I.D.) M.S. pipes during fabrication work including all labour and hire charges of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates.	80.000	no	133.00	10640.00	Rupees Ten Thousand Six Hundred Forty Zero Only
2.038	100.37.7.1 - In situ fabrication of M.S. pipes of size 200mm (I.D.) using 8mm thick M.S. plate including cost and conveyance charges of M.S. plate, all fabrication charges, charges of painting the steel work with two or more coat deluxe multi surface paint to give an even shade over an under-coat of primer etc., complete.	72.000	metre	6757.00	486504.00	Rupees Four Lakh Eighty Six Thousand Five Hundred Four Only
2.039	100.37.7.2 - Fabricating M.S. flanges of diameter 200mm using 12mm thick M.S. plate including cost and conveyance charges of M.S. plate, all fabrication charges, charges of painting the steel work with two or more coat deluxe multi surface paint to give an even shade over an under-coat of primer etc., complete: For pipes fabricated with 8mm thick M.S. plates.	30.000	no	2281.00	68430.00	Rupees Sixty Eight Thousand Four Hundred Thirty Zero Only
2.040	100.37.7.3 - Cutting 200mm (I.D.) M.S. pipes for making bends and other specials by gas cutting including cost of gas, all labour and hire charges of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates.	36.000	no	245.00	8820.00	Rupees Eight Thousand Eight Hundred Twenty Only
2.041	100.37.7.4 - Welding 200mm (I.D.) M.S. pipes for making bends and other specials by gas/electric welding machine including cost of gas and welding rods, all labour and hire charges of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates.	36.000	no	924.00	33264.00	Rupees Thirty Three Thousand Two Hundred Sixty Four Only
2.042	100.37.7.5 - Grinding cut and weld edges of 200mm (I.D.) M.S. pipes during fabrication work including all labour and hire charges of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates.	72.000	no	174.00	12528.00	Rupees Twelve Thousand Five Hundred Twenty Eight Only
2.043	100.37.8.1 - In situ fabrication	40.000	metre	7851.00	314040.00	Rupees Three

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	of M.S. pipes of size 250mm (I.D.) using 8mm thick M.S. plate including cost and conveyance charges of M.S. plate, all fabrication charges, charges of painting the steel work with two or more coat deluxe multi surface paint to give an even shade over an under-coat of primer etc., complete.					Lakh Fourteen Thousand Zero Forty Zero Only
2.044	100.37.8.2 - Fabricating M.S. flanges of diameter 250mm using 12mm thick M.S. plate including cost and conveyance charges of M.S. plate, all fabrication charges, charges of painting the steel work with two or more coat deluxe multi surface paint to give an even shade over an under-coat of primer etc., complete: For pipes fabricated with 8mm thick M.S. plates.	14.000	no	2800.00	39200.00	Rupees Thirty Nine Thousand Two Hundred Zero Only
2.045	100.37.8.3 - Cutting 250mm (I.D.) M.S. pipes for making bends and other specials by gas cutting including cost of gas, all labour and hire charges of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates.	18.000	no	301.00	5418.00	Rupees Five Thousand Four Hundred Eighteen Only
2.046	100.37.8.4 - Welding 250mm (I.D.) M.S. pipes for making bends and other specials by gas/electric welding machine including cost of gas and welding rods, all labour and hire charges of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates.	18.000	no	1138.00	20484.00	Rupees Twenty Thousand Four Hundred Eighty Four Only
2.047	100.37.8.5 - Grinding cut and weld edges of 250mm (I.D.) M.S. pipes during fabrication work including all labour and hire charges of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates.	36.000	no	214.00	7704.00	Rupees Seven Thousand Seven Hundred Four Only
2.048	18.68.1 - Providing and laying D.I specials of class K - 12 suitable for push - on jointing as per IS : 9523 :Upt 600 mm dia	53.190	quintal	23019.00	1224380.61	Rupees Twelve Lakh Twenty Four Thousand Three Hundred Eighty Zero And Sixty One paise Only
2.049	18.69.1 - Providing and laying D.I Specials of Class K - 12 suitable for mechanical jointing as per IS : 9523 :Upto	9.570	quintal	24191.00	231507.87	Rupees Two Lakh Thirty One Thousand Five Hundred

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	600 mm dia					Seven And Eighty Seven paise Only
2.050	100.31.1.4 - Conveying and fixing C.I. sluice valves (with cap) by providing bolts, nuts, rubber insertions etc., complete, but excluding the cost of the valve (tail pieces, if required, will be paid separately): 150mm diameter, Class I.	3.000	no	1374.00	4122.00	Rupees Four Thousand One Hundred Twenty Two Only
2.051	100.31.1.2 - Conveying and fixing C.I. sluice valves (with cap) by providing bolts, nuts, rubber insertions etc., complete, but excluding the cost of the valve (tail pieces, if required, will be paid separately): 100mm diameter, Class I.	1.000	no	1014.00	1014.00	Rupees One Thousand Zero Fourteen Only
2.052	100.31.1.5 - Conveying and fixing C.I. sluice valves (with cap) by providing bolts, nuts, rubber insertions etc., complete, but excluding the cost of the valve (tail pieces, if required, will be paid separately): 200mm diameter, Class I.	2.000	no	1782.00	3564.00	Rupees Three Thousand Five Hundred Sixty Four Only
2.053	100.31.1.6 - Conveying and fixing C.I. sluice valves (with cap) by providing bolts, nuts, rubber insertions etc., complete, but excluding the cost of the valve (tail pieces, if required, will be paid separately): 250mm diameter, Class I.	1.000	no	2526.00	2526.00	Rupees Two Thousand Five Hundred Twenty Six Only
2.054	100.32.1 - Conveying and fixing C. I. Single Acting Air Valve of approved quality with bolts, nuts, rubber insertions etc., complete, but excluding the cost of air valve (tail pieces, if required, will be paid separately): 25mm Single Acting Air Valve.	22.000	no	161.00	3542.00	Rupees Three Thousand Five Hundred Forty Two Only
2.055	100.32.2 - Conveying and fixing C. I. Single Acting Air Valve of approved quality with bolts, nuts, rubber insertions etc., complete, but excluding the cost of air valve (tail pieces, if required, will be paid separately): 40mm Single Acting Air Valve.	20.000	no	202.00	4040.00	Rupees Four Thousand Zero Forty Zero Only
2.056	2.6.1 - Earth work in	26.880	cum	245.00	6585.60	Rupees Six

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	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					Thousand Five Hundred Eighty Five And Sixty Zero paise Only
2.057	4.1.3 - Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:1:2:4 (cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size)	44.992	cum	9142.00	411316.86	Rupees Four Lakh Eleven Thousand Three Hundred Sixteen And Eighty Six paise Only
2.058	5.1.2 - Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level:1:1:5:3 (1 cement 1.5 coarse sand :3 graded stone aggregate 20 mm nominal size)	15.051	cum	10394.00	156440.09	Rupees One Lakh Fifty Six Thousand Four Hundred Forty Zero And Nine paise Only
2.059	5.22.4 - Steel reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete upto plinth levelHot rolled deformed bars	1767.060	kilogram	112.00	197910.72	Rupees One Lakh Ninety Seven Thousand Nine Hundred Ten And Seventy Two paise Only
2.060	5.9.2 - Centering and shuttering including strutting, etc. and removal of form for:Walls (any thickness) including attached pilasters, butresses, plinth and string courses etc.	358.000	sqm	820.00	293560.00	Rupees Two Lakh Ninety Three Thousand Five Hundred Sixty Zero Only
2.061	5.9.3 - Centering and shuttering including strutting, etc. and removal of form for:Suspended floors, roofs, landings, balconies and access platform	21.000	sqm	933.00	19593.00	Rupees Nineteen Thousand Five Hundred Ninety Three Only
3	Construction of 0.5 LL Capacity steel storage tank Near Magna Peak					
3.001	2.31 - Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up to 30 cm measured at a height	36.000	sqm	17.00	612.00	Rupees Six Hundred Twelve Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	of 1 m above ground level and removal of rubbish up to a distance of 50 m outside the periphery of the area cleared					
3.002	2.6.1 - 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	31.014	cum	245.00	7598.43	Rupees Seven Thousand Five Hundred Ninety Eight And Forty Three paise Only
3.003	4.1.8 - 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)	3.701	cum	7796.00	28853.00	Rupees Twenty Eight Thousand Eight Hundred Fifty Three Only
3.004	5.2.2 - 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)	3.087	cum	12532.00	38686.28	Rupees Thirty Eight Thousand Six Hundred Eighty Six And Twenty Eight paise Only
3.005	5.9.3 - Centering and shuttering including strutting, etc. and removal of form for:Suspended floors, roofs, landings, balconies and access platform	13.720	sqm	933.00	12800.76	Rupees Twelve Thousand Eight Hundred Zero And Seventy Six paise Only
3.006	5.22.6 - 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	370.440	kilogram	112.00	41489.28	Rupees Forty One Thousand Four Hundred Eighty Nine And Twenty Eight paise Only
3.007	2.25 - Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20 cm in depth, consolidating each deposited	4.568	cum	296.00	1352.13	Rupees One Thousand Three Hundred Fifty Two And Thirteen paise Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	layer by ramming and watering, lead up to 50 m and lift up to 1.5 m.					
3.008	OD167298/2023-2024 - Supply of Sand including loading, unloading, transportation and other incidental charges as per the direction of departmental officers.1	2.284	cum	2064.00	4714.18	Rupees Four Thousand Seven Hundred Fourteen And Eighteen paise Only
3.009	OD167299/2023-2024 - Supply, installation and commissioning of a pre-engineered, pre-fabricated, factory manufactured steel storage Water Tank having a capacity of 50000 L(1Nos.) thickness of 0.6 mm, in multiple layers as required for the capacity and height of the tank and multiplelayered PE sheet/membrane for the inner containment liner. The Tank Shell / Body &&& the Liner material shall be manufactured in a facility certified and compliant to ISO 9001 - 2000 standards. The Tank shall be supplied with access points, penetrations for inlets, outlets, drains and fittings, overflow and drain, high and low water level indicators. All connections to the tanks shall be with flanged or threaded nozzles, placed to the KWA water mains TANK ROOF :The roof of the tank shall be of corrugated Galvalume sheet steel and shall be domed, with heavy- duty Hot-dip Galvanized truss frame for support, and capable of supporting 4-5 persons for maintenance and cleaning and tank shall have an access hatch with cover, on the roof, for operation and Maintenance TANK COVER :Tank covers	50000.000	Litre	18.00	900000.00	Rupees Nine Lakh Zero Zero Zero Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	<p>shall be of approved galvanized vermin proof construction. Roof ends shall be fitted with suitable vermin-proofing tape or other material, to prevent ingress of dust and foreign objects. Covers shall be firmly fixed to the top edge of the tank with galvanized bolts and nuts.</p> <p>LADDERS :Tanks shall be provided with Hotdip Galvanized ladders internally or externally. External roof supports shall be of an appropriately designed Hot-dip galvanized Steel construction. Tanks shall comply with relevant spill level, air gap and overflow requirements relative to Effective Capacity. All nuts and bolts used for the panels shall be a minimum of 12mm size and hot-dip galvanized/Case hardened.</p> <p>The tank shall have a circular angle fixed around the total circumference of the tanks, at the top, of minimum 2 mm thickness. Tanks shall be properly flushed out with clean water prior to being brought into service</p> <p>TANK DIMENSIONS : The dimensions of the Tank shall be of 4.855m in diameter and 2.9m in height</p> <p>DESIGN LIFE: The tanks shall have a design life of 40 years.</p> <p>TANK CONNECTIONS: Standard design valve outlet connection : i) Suitable size CI Flanged valve ii) Overflow connection including an Internal approved bell-mouth shaped bends to maximize the overflow capacity. One no. 100 mm, iii) One (1) scour drain outlet from the</p>					

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	<p>floor of the tank with isolation valve. One No. 100 m m . T A N K LINERS: Tank liners shall be purposedesigned and manufactured and shall comply to AS/NZS 4020 (Appendix A)of 2005 and ANSI/NSF 61 - 2008, Section 5 Certificates of compliance to above standards shall be furnished by the manufacturer of the tanks. Tank liners shall:</p> <p>i) Be factory manufactured to onepiece construction, fabricated from multi-layer PE sheet, certified for potable drinking water, to (ANSI/ NSF 61) and duly UV Stabilized. ii) Be of PE (polyethylene) in multi-layer construction for strength, reinforced with woven scrim industrial fabric to prevent elongation and enhance tensile strength. The total liner material thickness shall be no less than 0.6 mm thick. The tensile strength shall not be less than 2266 N (warp) and 2495 N (weft) and heat sealing strength of 2056 N v) All the liner welded lap joints shall be strengthened with Metallocene encapsulating tape welded over the overlap. vi) The Metallocene tape shall cover and protect the exposed material at the edges of the liner joints to further prevent the ingress of water into the scrim. vii) Liners shall be positively and continuously attached to the top outer edge of the circumference of the tank to prevent entry of water from the runoff from the roof structure. viii) All liners on tanks over 2m in height shall have a continuous intermediate liner support designed out of nylon</p>					

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	<p>(or other material)cord, around the circumference of the tank, at vertical intervals corresponding to the level of each ring. ix) The intermediate liner support cords shall be firmly secured to the steel shell at each level, to prevent stress on the liner welded joints, and thereby eliminate possibility of failure</p> <p>C O R R O S S I O N PROTECTION. The tank structure shall have a secondary corrosion protection system using sacrificial magnesium anodes. The number of anodes, their location around the tank and the mass of each anode shall be designed for anode replacement frequency of five years. The anodes shall be installed external to the tank and concrete apron with their location marked with a suitably label-Cost for Tank steel with 10years guarantee includes shel l,Steel wall,steel domed roof,Zinc Alum steel&amp;39;,Cost for Poly ethylene infinity liner ,Geo synthetic Fibre with food grade plastics are used for inside coating and Support Arrangements,Cost for F a b r i c a t e d items,attachments and accessories like steel ladder,Cost of Fabricated nozzles,over flow nozzles and drain arrangements, Cost for HDG nut and bolts , F r e i g h t Charges,Erection Installation and commissioning of tank components.</p>					
3.010	OD167300/2023-2024 - Dowel bars - Supplying and providing MS dowel bars of size 16mm dia of 2m long (1m in rock and 1m in concrete) including drilling	38.000	no	988.00	37544.00	Rupees Thirty Seven Thousand Five Hundred Forty Four Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	holes of 20mm dia and filling the gap with cement grout (.5kg/each) etc...					
4	Construction of 2.6LL Capacity steel storage tank at Thondimala					
4.001	2.31 - 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	121.000	sqm	17.00	2057.00	Rupees Two Thousand Zero Fifty Seven Only
4.002	2.1.1 - Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5m in width as well as 10 sqm on plan including disposal of excavated earth up to 50 m and lift up to 1.5 m, disposed soil to be levelled and neatly dressed:All Kinds of soil	180.690	sqm	125.00	22586.25	Rupees Twenty Two Thousand Five Hundred Eighty Six And Twenty Five paise Only
4.003	2.7.3 - 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.Hard rock (blasting prohibited)	30.000	cum	1369.00	41070.00	Rupees Forty One Thousand Zero Seventy Zero Only
4.004	4.1.3 - Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:1:2:4 (cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size)	13.254	cum	9142.00	121168.07	Rupees One Lakh Twenty One Thousand One Hundred Sixty Eight And Seven paise Only
4.005	5.1.2 - Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level:1:1:5:3 (1 cement 1.5 coarse sand :3 graded stone aggregate 20 mm nominal size)	5.557	cum	10394.00	57759.46	Rupees Fifty Seven Thousand Seven Hundred Fifty Nine And Forty Six paise Only
4.006	5.9.1 - Centering and shuttering including strutting,	24.696	sqm	384.00	9483.26	Rupees Nine Thousand Four

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	etc. and removal of form for: Foundations, footings, bases of columns, etc for mass concrete					Hundred Eighty Three And Twenty Six paise Only
4.007	5.22.6 - Steel reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete upto plinth level Thermo - Mechanically Treated bars of grade Fe-500D or more	666.840	kilogram	113.00	75352.92	Rupees Seventy Five Thousand Three Hundred Fifty Two And Ninety Two paise Only
4.008	2.25 - 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.	16.146	cum	296.00	4779.22	Rupees Four Thousand Seven Hundred Seventy Nine And Twenty Two paise Only
4.009	OD167301/2023-2024 - Supply of Sand including loading, unloading, transportation and other incidental charges as per the direction of departmental officers.1	8.073	cum	2064.00	16662.67	Rupees Sixteen Thousand Six Hundred Sixty Two And Sixty Seven paise Only
4.010	OD167302/2023-2024 - Supply, installation and commissioning of a pre-engineered, pre-fabricated, factory manufactured steel storage Water Tank having a capacity of 260000 L(1Nos.) thickness of 0.6 mm, in multiple layers as required for the capacity and height of the tank and multiple layered PE sheet/membrane for the inner containment liner. The Tank Shell / Body the Liner material shall be manufactured in a facility certified and compliant to ISO 9001 - 2000 standards. The Tank shall be supplied with access points, penetrations for inlets, outlets, drains and fittings, overflow and drain, high and low water level indicators. All connections to the tanks shall be with flanged or	260000.000	Litre	8.00	2080000.00	Rupees Twenty Lakh Eighty Zero Thousand Zero Zero Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	<p>threaded nozzles, placed to the KWA water mains</p> <p>TANK ROOF :The roof of the tank shall be of corrugated Galvalume sheet steel and shall be domed, with heavy- duty Hot-dip Galvanized truss frame for support, and capable of supporting 4-5 persons for maintenance and cleaning and tank shall have an access hatch with cover, on the roof, for operation and Maintenance</p> <p>TANK COVER :Tank covers shall be of approved galvanized vermin proof construction. Roof ends shall be fitted with suitable vermin-proofing tape or other material, to prevent ingress of dust and foreign objects. Covers shall be firmly fixed to the top edge of the tank with galvanized bolts and nuts.</p> <p>LADDERS :Tanks shall be provided with Hotdip Galvanized ladders internally or externally. External roof supports shall be of an appropriately designed Hot-dip galvanized Steel construction. Tanks shall comply with relevant spill level, air gap and overflow requirements relative to Effective Capacity. All nuts and bolts used for the panels shall be a minimum of 12mm size and hot-dip galvanized/Case hardened. The tank shall have a circular angle fixed around the total circumference of the tanks, at the top, of minimum 2 mm thickness. Tanks shall be properly flushed out with clean water prior to being brought into service</p> <p>TANK DIMENSIONS: The</p>					

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	<p>dimensions of the Tank shall be of 8.739m in diameter and 4.3m in height DESIGN LIFE: The tanks shall have a design life of 40 years. TANK CONNECTIONS: Standard design valve outlet connection : i) Suitable CI Flanged valve ii) Overflow connection including an Internal approved bell-mouth shaped bends to maximize the overflow capacity. One no. 100 mm, iii) One (1) scour drain outlet from the floor of the tank with isolation valve. One No. 100 mm. TANK LINERS:Tank liners shall be purpose designed and manufactured and shall comply to AS/NZS 4020 (Appendix A) of 2005 and ANSI/NSF 61 - 2008, Section 5 Certificates of compliance to above standards shall be furnished by the manufacturer of the tanks. Tank liners shall: i) Be factory manufactured to one piece construction, fabricated from multi-layer PE sheet, certified for potable drinking water, to (ANSI/ NSF 61) and duly UV Stabilized. ii) Be of PE (polyethylene) in multi-layer construction for strength, reinforced with woven scrim industrial fabric to prevent elongation and enhance tensile strength. The total liner material thickness shall be no less than 0.6 mm thick. The tensile strength shall not be less than 2266 N (warp) and 2495 N (weft) and heat sealing strength of 2056 N v) All the liner welded lap joints shall be strengthened with Metallocene encapsulating tape welded over the overlap. vi) The Metallocene tape shall cover and protect the</p>					

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	<p>exposed material at the edges of the liner joints to further prevent the ingress of water into the scrim. vii) Liners shall be positively and continuously attached to the top outer edge of the circumference of the tank to prevent entry of water from the runoff from the roof structure. viii) All liners on tanks over 2m in height shall have a continuous intermediate liner support designed out of nylon (or other material) cord, around the circumference of the tank, at vertical intervals corresponding to the level of each ring. ix) The intermediate liner support cords shall be firmly secured to the steel shell at each level, to prevent stress on the liner welded joints, and thereby eliminate possibility of failure C O R R O S S I O N PROTECTION. The tank structure shall have a secondary corrosion protection system using sacrificial magnesium anodes. The number of anodes, their location around the tank and the mass of each anode shall be designed for anode replacement frequency of five years. The anodes shall be installed external to the tank and concrete apron with their location marked with a suitably label-Cost for Tank steel with 10years guarantee includes shell, Steel wall, steel domed roof, Zinc Alum steel&amp;39;, Cost for Poly ethylene infinity liner ,Geo synthetic Fibre with food grade plastics are used for inside coating and Support Arrangements, Cost for Fabricated</p>					

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	items, attachments and accessories like steel ladder, Cost of Fabricated nozzles, over flow nozzles and drain arrangements, Cost for HDG nut and bolts, Freight Charges, Erection Installation and commissioning of tank components.					
4.011	OD167303/2023-2024 - Dowel bars - Supplying and providing MS dowel bars of size 16mm dia of 2m long (1m in rock and 1m in concrete) including drilling holes of 20mm dia and filling the gap with cement grout (.5kg/each) etc...	60.000	no	988.00	59280.00	Rupees Fifty Nine Thousand Two Hundred Eighty Zero Only
5	Construction of 2.9LL Steel storage tank at Puthadi Top					
5.001	2.1.1 - Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5m in width as well as 10 sqm on plan including disposal of excavated earth up to 50 m and lift up to 1.5 m, disposed soil to be levelled and neatly dressed: All Kinds of soil	271.220	sqm	125.00	33902.50	Rupees Thirty Three Thousand Nine Hundred Two And Fifty Zero paise Only
5.002	4.1.3 - Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level: 1:2:4 (cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size)	17.245	cum	9142.00	157653.79	Rupees One Lakh Fifty Seven Thousand Six Hundred Fifty Three And Seventy Nine paise Only
5.003	5.1.2 - Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level: 1:1:5:3 (1 cement 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	7.409	cum	10394.00	77009.15	Rupees Seventy Seven Thousand Zero Nine And Fifteen paise Only
5.004	5.9.1 - Centering and shuttering including strutting, etc. and removal of form for: Foundations, footings, bases of columns, etc for mass concrete	32.928	sqm	384.00	12644.35	Rupees Twelve Thousand Six Hundred Forty Four And Thirty Five paise Only
5.005	5.22.6 - Steel reinforcement	889.080	kilogra	113.00	100466.04	Rupees One

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	for R.C.C work including straightening, cutting, bending, placing in position and binding all complete upto plinth level Thermo - Mechanically Treated bars of grade Fe-500D or more		m			Lakh Zero Four Hundred Sixty Six And Four paise Only
5.006	2.25 - 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.	29.552	cum	296.00	8747.39	Rupees Eight Thousand Seven Hundred Forty Seven And Thirty Nine paise Only
5.007	OD167304/2023-2024 - Supply of Sand including loading, unloading, transportation and other incidental charges as per the direction of departmental officers.1	14.776	cum	2064.00	30497.66	Rupees Thirty Zero Thousand Four Hundred Ninety Seven And Sixty Six paise Only
5.008	OD167305/2023-2024 - Supply, installation and commissioning of a pre-engineered, pre-fabricated, factory manufactured steel storage Water Tank having a capacity of 2.9 LL(1Nos.) thickness of 0.6 mm, in multiple layers as required for the capacity and height of the tank and multiple layered PE sheet/membrane for the inner containment liner. The Tank Shell / Body &&& the Liner material shall be manufactured in a facility certified and compliant to ISO 9001 - 2000 standards. The Tank shall be supplied with access points, penetrations for inlets, outlets, drains and fittings, overflow and drain, high and low water level indicators. All connections to the tanks shall be with flanged or threaded nozzles, placed to the KWA water mains TANK ROOF :The roof of the tank shall be of corrugated Galvalume	290000.000	Litre	7.00	2030000.00	Rupees Twenty Lakh Thirty Zero Thousand Zero Zero Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	<p>sheet steel and shall be domed, with heavy- duty Hot-dip Galvanized truss frame for support, and capable of supporting 4-5 persons for maintenance and cleaning and tank shall have an access hatch with cover, on the roof, for operation and Maintenance</p> <p>TANK COVER :Tank covers shall be of approved galvanized vermin proof construction. Roof ends shall be fitted with suitable vermin-proofing tape or other material, to prevent ingress of dust and foreign objects. Covers shall be firmly fixed to the top edge of the tank with galvanized bolts and nuts.</p> <p>LADDERS :Tanks shall be provided with Hot dip Galvanized ladders internally or externally. External roof supports shall be of an appropriately designed Hot-dip galvanized Steel construction. Tanks shall comply with relevant spill level, air gap and overflow requirements relative to Effective Capacity. All nuts and bolts used for the panels shall be a minimum of 12mm size and hot-dip galvanized/Case hardened.</p> <p>The tank shall have a circular angle fixed around the total circumference of the tanks, at the top, of minimum 2 mm thickness. Tanks shall be properly flushed out with clean water prior to being brought into service</p> <p>TANK DIMENSIONS: The dimensions of the Tank shall be of 11.652m in diameter and 2.9m in height</p> <p>DESIGN LIFE: The tanks shall have a</p>					

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	<p>design life of 40 years.</p> <p>TANK CONNECTIONS: Standard design valve outlet connection : i) suitable size CI Flanged valve ii) Overflow connection including an Internal approved bell-mouth shaped bends to maximize the overflow capacity. One no. 100 mm, iii) One (1) scour drain outlet from the floor of the tank with isolation valve. One No. 100 mm.</p> <p>TANK LINERS: Tank liners shall be purpose designed and manufactured and shall comply to AS/NZS 4020 (Appendix A) of 2005 and ANSI/NSF 61 - 2008, Section 5 Certificates of compliance to above standards shall be furnished by the manufacturer of the tanks. Tank liners shall: i) Be factory manufactured to one piece construction, fabricated from multi-layer PE sheet, certified for potable drinking water, to (ANSI/ NSF 61) and duly UV Stabilized. ii) Be of PE (polyethylene) in multi-layer construction for strength, reinforced with woven scrim industrial fabric to prevent elongation and enhance tensile strength. The total liner material thickness shall be no less than 0.6 mm thick. The tensile strength shall not be less than 2266 N (warp) and 2495 N (weft) and heat sealing strength of 2056 N v) All the liner welded lap joints shall be strengthened with Metalocene encapsulating tape welded over the overlap. vi) The Metalocene tape shall cover and protect the exposed material at the edges of the liner joints to further prevent the ingress of water into the scrim. vii)</p>					

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	<p>Liners shall be positively and continuously attached to the top outer edge of the circumference of the tank to prevent entry of water from the runoff from the roof structure. viii) All liners on tanks over 2m in height shall have a continuous intermediate liner support designed out of nylon (or other material) cord, around the circumference of the tank, at vertical intervals corresponding to the level of each ring. ix) The intermediate liner support cords shall be firmly secured to the steel shell at each level, to prevent stress on the liner welded joints, and thereby eliminate possibility of failure</p> <p>C O R R O S S I O N PROTECTION. The tank structure shall have a secondary corrosion protection system using sacrificial magnesium anodes. The number of anodes, their location around the tank and the mass of each anode shall be designed for anode replacement frequency of five years. The anodes shall be installed external to the tank and concrete apron with their location marked with a suitably label-Cost for Tank steel with 10years guarantee includes shel l,Steel wall,steel domed roof,Zinc Alum steel&amp;39;,Cost for Poly ethylene infinity liner ,Geo synthetic Fibre with food grade plastics are used for inside coating and Support Arrangements,Cost for Fabricated items,attachments and accessories like steel ladder,Cost of Fabricated nozzles,over flow nozzles and drain</p>					

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	arrangements, Cost for HDG nut and bolts , Freight Charges,Erection Installation and commissioning of tank components.					
5.009	OD167306/2023-2024 - Dowel bars - Supplying and providing MS dowel bars of size 16mm dia of 2m long (1m in rock and 1m in concrete) including drilling holes of 20mm dia and filling the gap with cement grout (.5kg/each) etc...	90.000	no	988.00	88920.00	Rupees Eighty Eight Thousand Nine Hundred Twenty Only
6	Construction of 4LL Sump cum Pump house at Pooppara					
6.001	2.31 - 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	160.000	sqm	17.00	2720.00	Rupees Two Thousand Seven Hundred Twenty Only
6.002	2.8.1 - Earth work in excavation by mechanical means (Hydraulic excavator) /manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.All kinds of soil	14.844	cum	340.00	5046.96	Rupees Five Thousand Zero Forty Six And Ninety Six paise Only
6.003	2.7.3 - 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.Hard rock (blasting prohibited)	44.531	cum	1369.00	60962.94	Rupees Sixty Zero Thousand Nine Hundred Sixty Two And Ninety Four paise Only
6.004	OD167312/2023-2024 - :DOWEL BARS_ Supplying and providing MS dowel bars of size 16 mm dia , 200 cm long including drilling holes of 20 mm dia to a depth of 100 cm	200.000	no	465.00	93000.00	Rupees Ninety Three Thousand Zero Zero Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	in rock and filling the gap with cement grout (0.100kg/hole) etc complete					
6.005	4.1.3 - Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:1:2:4 (cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size)	21.406	cum	9142.00	195693.65	Rupees One Lakh Ninety Five Thousand Six Hundred Ninety Three And Sixty Five paise Only
6.006	5.33.1 - 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	46.167	cum	10769.00	497172.42	Rupees Four Lakh Ninety Seven Thousand One Hundred Seventy Two And Forty Two paise Only
6.007	5.33.2 - 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	86.938	cum	12659.00	1100548.14	Rupees Eleven Lakh Zero Five Hundred Forty Eight And Fourteen paise Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	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					
6.008	5.34.1 - 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).	131.575	cum	94.00	12368.05	Rupees Twelve Thousand Three Hundred Sixty Eight And Five paise Only
6.009	22.23.1 - Providing and applying integral crystalline slurry of hydrophilic in nature for waterproofing treatment to the RCC structures like retaining walls of the basement, water tanks, roof slabs, podiums, reservoir, sewage & water treatment plant, tunnels / subway and bridge deck etc., prepared by mixing in the ratio of 5 : 2 (5 parts integral crystalline slurry : 2 parts water) for vertical surfaces and 3 : 1 (3 parts integral crystalline slurry : 1 part water) for horizontal surfaces and applying the same from negative (internal) side with the help of synthetic fiber brush. The material shall meet the requirements as specified in ACI-212-3R-2010 i.e by reducing permeability of concrete by more than 90% compared with control concrete as per DIN 1048 and resistant to 16 bar hydrostatic pressure on negative side. The crystalline slurry shall be capable of self-healing of cracks up to a width of 0.50mm. The work shall be carried out all complete as per specification and the direction of the engineer-in-charge. The product performance shall carry guarantee for 10 years against	218.400	sqm	652.00	142396.80	Rupees One Lakh Forty Two Thousand Three Hundred Ninety Six And Eighty Zero paise Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	any leakage.For vertical surface two coats @0.70 kg per sqm					
6.010	22.23.2 - Providing and applying integral crystalline slurry of hydrophilic in nature for waterproofing treatment to the RCC structures like retaining walls of the basement, water tanks, roof slabs, podiums, reservoir, sewage & water treatment plant, tunnels / subway and bridge deck etc., prepared by mixing in the ratio of 5 : 2 (5 parts integral crystalline slurry : 2 parts water) for vertical surfaces and 3 : 1 (3 parts integral crystalline slurry : 1 part water) for horizontal surfaces and applying the same from negative (internal) side with the help of synthetic fiber brush. The material shall meet the requirements as specified in ACI-212-3R-2010 i.e by reducing permeability of concrete by more than 90% compared with control concrete as per DIN 1048 and resistant to 16 bar hydrostatic pressure on negative side. The crystalline slurry shall be capable of self-healing of cracks up to a width of 0.50mm. The work shall be carried out all complete as per specification and the direction of the engineer in-charge. The product performance shall carry guarantee for 10 years against any leakage.For horizontal surface one coat @1.10 kg per sqm.	123.250	sqm	503.00	61994.75	Rupees Sixty One Thousand Nine Hundred Ninety Four And Seventy Five paise Only
6.011	5.9.1 - Centering and shuttering including strutting, etc. and removal of form for:Foundations, footings, bases of columns, etc for mass concrete	57.580	sqm	384.00	22110.72	Rupees Twenty Two Thousand One Hundred Ten And Seventy Two paise Only
6.012	5.9.2 - Centering and shuttering including strutting, etc. and removal of form for:Walls (any thickness) including attached pilasters, buttresses, plinth and string	394.110	sqm	821.00	323564.31	Rupees Three Lakh Twenty Three Thousand Five Hundred Sixty Four And Thirty One

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	courses etc.					paise Only
6.013	5.9.3 - Centering and shuttering including strutting, etc. and removal of form for:Suspended floors, roofs, landings, balconies and access platform	339.794	sqm	933.00	317027.80	Rupees Three Lakh Seventeen Thousand Zero Twenty Seven And Eighty Zero paise Only
6.014	5.22.6 - 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	15877.200	kilogram	112.00	1778246.40	Rupees Seventeen Lakh Seventy Eight Thousand Two Hundred Forty Six And Forty Zero paise Only
6.015	50.6.1.2 - Solid block masonry using pre cast solid blocks (Factory made) of size 40x20x20cm or nearest available size confirming to IS 2185 part I of 1979 for super structure up to floor two level thickness 20cm and above in: CM 1:6 (1 cement: 6 coarse sand) etc complete.	5.418	cum	7396.00	40071.53	Rupees Forty Zero Thousand Zero Seventy One And Fifty Three paise Only
6.016	50.6.1.8 - Solid block masonry using pre cast solid blocks (Factory made) of size 40x20x15cm or nearest available size confirming to IS 2185 part I of 1979 for super structure up to floor two level with thickness 15cm in: CM 1:6 (1 cement : 6 coarse sand etc complete	16.500	cum	7822.00	129063.00	Rupees One Lakh Twenty Nine Thousand Zero Sixty Three Only
6.017	13.7.1 - 12 mm cement plaster finished with a floating coat of neat cement of mix:1:3 (1 cement : 3 fine sand)	848.474	sqm	459.00	389449.57	Rupees Three Lakh Eighty Nine Thousand Four Hundred Forty Nine And Fifty Six paise Only
6.018	13.16.1 - 6 mm cement plaster of mix:1:3 (1 cement : 3 fine sand)	244.030	sqm	306.00	74673.18	Rupees Seventy Four Thousand Six Hundred Seventy Three And Eighteen paise Only
6.019	13.47.1 - Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade:New work (Two or more coats applied @ 1.43 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)	472.774	sqm	217.00	102591.96	Rupees One Lakh Two Thousand Five Hundred Ninety One And Ninety Six paise Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
6.020	13.44.1 - Finishing walls with water proofing cement paint of required shade:New work (Two or more coats applied @ 3.84 kg/10 sqm)	285.720	sqm	123.00	35143.56	Rupees Thirty Five Thousand One Hundred Forty Three And Fifty Six paise Only
6.021	13.71 - Lettering with black Japan pint of approved brand and manufacture	100.000	per Letter per cm height	6.00	600.00	Rupees Six Hundred Zero Only
6.022	10.25.2 - Item Shifted to Sub head 14 as item 14.73 Item Shifted to head 14 as item 14.74 Steel work welded in built up sections/framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	950.000	kg	176.00	167200.00	Rupees One Lakh Sixty Seven Thousand Two Hundred Zero Only
6.023	100.41.34 - Supplying and fixing Rectangular C.I. manhole cover 455mm x 610mm with frame (low duty) charges including all cost, labour charges etc., complete.	8.000	no	3201.00	25608.00	Rupees Twenty Five Thousand Six Hundred Eight Only
6.024	9.48.2 - Providing and fixing M.S. Grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete.Fixed to openings/ wooden frames with rawl plugs screws etc	150.000	kg	247.00	37050.00	Rupees Thirty Seven Thousand Zero Fifty Zero Only
6.025	10.6.1 - Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of	6.480	sqm	3965.00	25693.20	Rupees Twenty Five Thousand Six Hundred Ninety Three And Twenty Zero paise Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters.80x1.25 mm M.S. laths with 1.25 mm thick top cover					
6.026	OD167313/2023-2024 - :Providing suitable size ventilating arrangements by using 100 mm CI vent cowls as per the direction of departmental officers	2.000	no	2998.00	5996.00	Rupees Five Thousand Nine Hundred Ninety Six Only
6.027	21.1.1.2 - Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS : 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing /paneling, C.P. brass/ stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge.(Glazing, paneling and dash fasteners to be paid for separately): For fixed portion Powder coated aluminium (minimum thickness of powder coating 50 micron)	12.000	kg	614.00	7368.00	Rupees Seven Thousand Three Hundred Sixty Eight Only
6.028	21.1.2.2 - For shutters of doors, windows & ventilators including providing and fixing hinges / pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber/ neoprene gasket required (Fittings shall be paid for separately) Powder coated aluminium (minimum thickness of powder coating 50 micron)	12.000	kg	736.00	8832.00	Rupees Eight Thousand Eight Hundred Thirty Two Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
6.029	21.3.1 - Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of Engineer - in - Charge. (Cost of aluminium snap beading shall be paid in basic item):With float glass panes of 4.0 mm thickness	6.750	sqm	1347.00	9092.25	Rupees Nine Thousand Zero Ninety Two And Twenty Five paise Only
6.030	21.15.2 - Providing and fixing aluminium casement windows fastener of required length for aluminium windows with necessary necessary screws etc. complete.Powder coated minimum thickness 50 micron aluminium	10.000	no	96.00	960.00	Rupees Nine Hundred Sixty Zero Only
6.031	18.26.1 - Providing and laying flanged C.I. Standard specials such as tees, bends, collars, tapers, caps etc., suitable for flanged jointing as per IS : 1538 :Upto 300 mm dia	1.340	quintal	10588.00	14187.92	Rupees Fourteen Thousand One Hundred Eighty Seven And Ninety Two paise Only
6.032	100.36.1 - 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.	400.000	Kilo litre	208.00	83200.00	Rupees Eighty Three Thousand Two Hundred Zero Only
6.033	OD167314/2023-2024 - Supplying and providing water level indicator to the tank using scale fabricated out of 2mm thick MS plate with in the frame work of suitable size MS square tube, 160mm PVC pipe for guiding the float, necessary pullies, suitable nylon thread for connecting float and level indicator, painting the entire structure,	1.000	each	11457.00	11457.00	Rupees Eleven Thousand Four Hundred Fifty Seven Only
7	Construction of 0.4LL Sump cum Pump house at Erachilpara					
7.001	2.31 - Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up	80.000	sqm	17.00	1360.00	Rupees One Thousand Three Hundred Sixty Zero Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	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					
7.002	2.8.1 - Earth work in excavation by mechanical means (Hydraulic excavator) /manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.All kinds of soil	41.624	cum	340.00	14152.16	Rupees Fourteen Thousand One Hundred Fifty Two And Sixteen paise Only
7.003	2.7.3 - 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.Hard rock (blasting prohibited)	13.606	cum	1369.00	18626.61	Rupees Eighteen Thousand Six Hundred Twenty Six And Sixty One paise Only
7.004	OD167307/2023-2024 - :DOWEL BARS_ Supplying and providing MS dowel bars of size 16 mm dia , 200 cm long including drilling holes of 20 mm dia to a depth of 100 cm in rock and filling the gap with cement grout (0.100kg/hole) etc complete	80.000	no	465.00	37200.00	Rupees Thirty Seven Thousand Two Hundred Zero Only
7.005	4.1.3 - Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:1:2:4 (cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size)	6.632	cum	9142.00	60629.74	Rupees Sixty Zero Thousand Six Hundred Twenty Nine And Seventy Four paise Only
7.006	7.1.1 - Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20	25.835	cum	8242.00	212932.07	Rupees Two Lakh Twelve Thousand Nine Hundred Thirty Two And Seven paise Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	mm nominal size) up to plinth level with:Cement mortar 1:6 (1 cement : 6 coarse sand)					
7.007	5.33.1 - 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	9.178	cum	10769.00	98837.88	Rupees Ninety Eight Thousand Eight Hundred Thirty Seven And Eighty Eight paise Only
7.008	5.33.2 - 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	25.906	cum	12659.00	327944.05	Rupees Three Lakh Twenty Seven Thousand Nine Hundred Forty Four And Five paise Only
7.009	5.34.1 - Extra for providing richer mixes at all floor	31.756	cum	94.00	2985.06	Rupees Two Thousand Nine

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	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).					Hundred Eighty Five And Six paise Only
7.010	22.23.1 - Providing and applying integral crystalline slurry of hydrophilic in nature for waterproofing treatment to the RCC structures like retaining walls of the basement, water tanks, roof slabs, podiums, reservoir, sewage & water treatment plant, tunnels / subway and bridge deck etc., prepared by mixing in the ratio of 5 : 2 (5 parts integral crystalline slurry : 2 parts water) for vertical surfaces and 3 : 1 (3 parts integral crystalline slurry : 1 part water) for horizontal surfaces and applying the same from negative (internal) side with the help of synthetic fiber brush. The material shall meet the requirements as specified in ACI-212-3R-2010 i.e by reducing permeability of concrete by more than 90% compared with control concrete as per DIN 1048 and resistant to 16 bar hydrostatic pressure on negative side. The crystalline slurry shall be capable of self-healing of cracks up to a width of 0.50mm. The work shall be carried out all complete as per specification and the direction of the engineer in-charge. The product performance shall carry guarantee for 10 years against any leakage. For vertical surface two coats @0.70 kg per sqm	55.140	sqm	652.00	35951.28	Rupees Thirty Five Thousand Nine Hundred Fifty One And Twenty Eight paise Only
7.011	22.23.2 - Providing and applying integral crystalline slurry of hydrophilic in nature for waterproofing treatment to the RCC structures like retaining walls of the basement,	5.850	sqm	503.00	2942.55	Rupees Two Thousand Nine Hundred Forty Two And Fifty Five paise Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	water tanks, roof slabs, podiums, reservoir, sewage & water treatment plant, tunnels / subway and bridge deck etc., prepared by mixing in the ratio of 5 : 2 (5 parts integral crystalline slurry : 2 parts water) for vertical surfaces and 3 : 1 (3 parts integral crystalline slurry : 1 part water) for horizontal surfaces and applying the same from negative (internal) side with the help of synthetic fiber brush. The material shall meet the requirements as specified in ACI-212-3R-2010 i.e by reducing permeability of concrete by more than 90% compared with control concrete as per DIN 1048 and resistant to 16 bar hydrostatic pressure on negative side. The crystalline slurry shall be capable of self-healing of cracks up to a width of 0.50mm. The work shall be carried out all complete as per specification and the direction of the engineer-in-charge. The product performance shall carry guarantee for 10 years against any leakage. For horizontal surface one coat @1.10 kg per sqm.					
7.012	50.6.1.2 - Solid block masonry using pre cast solid blocks (Factory made) of size 40x20x20cm or nearest available size confirming to IS 2185 part I of 1979 for super structure up to floor two level thickness 20cm and above in: CM 1:6 (1 cement: 6 coarse sand) etc complete.	5.881	cum	7396.00	43495.88	Rupees Forty Three Thousand Four Hundred Ninety Five And Eighty Eight paise Only
7.013	50.6.1.8 - Solid block masonry using pre cast solid blocks (Factory made) of size 40x20x15cm or nearest available size confirming to IS 2185 part I of 1979 for super structure up to floor two level with thickness 15cm in: CM 1:6 (1 cement : 6 coarse sand etc complete	10.755	cum	7822.00	84125.61	Rupees Eighty Four Thousand One Hundred Twenty Five And Sixty One paise Only
7.014	5.9.1 - Centering and shuttering including strutting,	25.960	sqm	384.00	9968.64	Rupees Nine Thousand Nine

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	etc. and removal of form for:Foundations, footings, bases of columns, etc for mass concrete					Hundred Sixty Eight And Sixty Four paise Only
7.015	5.9.2 - Centering and shuttering including strutting, etc. and removal of form for:Walls (any thickness) including attached pilasters, buttersesses, plinth and string courses etc.	107.640	sqm	821.00	88372.44	Rupees Eighty Eight Thousand Three Hundred Seventy Two And Forty Four paise Only
7.016	5.9.3 - Centering and shuttering including strutting, etc. and removal of form for:Suspended floors, roofs, landings, balconies and access platform	76.198	sqm	933.00	71092.73	Rupees Seventy One Thousand Zero Ninety Two And Seventy Three paise Only
7.017	5.22.6 - 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	4210.080	kilogram	112.00	471528.96	Rupees Four Lakh Seventy One Thousand Five Hundred Twenty Eight And Ninety Six paise Only
7.018	13.7.1 - 12 mm cement plaster finished with a floating coat of neat cement of mix:1:3 (1 cement : 3 fine sand)	468.832	sqm	459.00	215193.89	Rupees Two Lakh Fifteen Thousand One Hundred Ninety Three And Eighty Nine paise Only
7.019	13.47.1 - Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade:New work (Two or more coats applied @ 1.43 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)	397.408	sqm	217.00	86237.54	Rupees Eighty Six Thousand Two Hundred Thirty Seven And Fifty Four paise Only
7.020	13.71 - Lettering with black Japan pint of approved brand and manufacture	80.000	per Letter per cm height	6.00	480.00	Rupees Four Hundred Eighty Zero Only
7.021	10.25.2 - Item Shifted to Sub head 14 as item 14.73 Item Shifted to head 14 as item 14.74 Steel work welded in built up sections/framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.In gratings, frames,	600.000	kg	176.00	105600.00	Rupees One Lakh Five Thousand Six Hundred Zero Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	guard bar, ladder, railings, brackets, gates and similar works					
7.022	100.41.34 - Supplying and fixing Rectangular C.I. manhole cover 455mm x 610mm with frame (low duty) charges including all cost, labour charges etc., complete.	4.000	no	3201.00	12804.00	Rupees Twelve Thousand Eight Hundred Four Only
7.023	9.48.2 - Providing and fixing M.S. Grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to openings/ wooden frames with rawl plugs screws etc	70.000	kg	247.00	17290.00	Rupees Seventeen Thousand Two Hundred Ninety Zero Only
7.024	10.6.1 - Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters. 80x1.25 mm M.S. laths with 1.25 mm thick top cover	7.200	sqm	3965.00	28548.00	Rupees Twenty Eight Thousand Five Hundred Forty Eight Only
7.025	21.1.1.2 - Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS : 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc.	12.000	kg	614.00	7368.00	Rupees Seven Thousand Three Hundred Sixty Eight Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing /paneling, C.P. brass/ stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge.(Glazing, paneling and dash fasteners to be paid for separately): For fixed portion Powder coated aluminium (minimum thickness of powder coating 50 micron)					
7.026	21.1.2.2 - For shutters of doors, windows & ventilators including providing and fixing hinges / pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber/ neoprene gasket required (Fittings shall be paid for separately) Powder coated aluminium (minimum thickness of powder coating 50 micron)	10.000	kg	736.00	7360.00	Rupees Seven Thousand Three Hundred Sixty Zero Only
7.027	21.3.1 - Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of Engineer - in - Charge. (Cost of aluminium snap beading shall be paid in basic item):With float glass panes of 4.0 mm thickness	8.438	sqm	1346.00	11357.55	Rupees Eleven Thousand Three Hundred Fifty Seven And Fifty Five paise Only
7.028	OD167308/2023-2024 - Supply conveyance ,installation testing and commissioning of 36/40 W LED street/Yard light out put greater than 105 lumen/watts 4000-6000K with IP66 protection with LED chip make cree/Lumiled/Nichea with power factor greater than 0.95 at full load ,internal surge protection up to 8 kv and aluminium pressure die cast powder coated housing acrylic cover complete with THD less than 10% power factor greater than 0.98 ROHS compliant duly wired up for	4.000	no	4710.00	18840.00	Rupees Eighteen Thousand Eight Hundred Forty Zero Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	use on 230v AC supply.Driver compartment should be separately accessible for maintainance(LM 79&80 Certificate from NABL accredited third party lab produced mentioning chip manufacturer)					
7.029	OD167309/2023-2024 - Taking new electrical connection from KSEBL	1.000	1 nos	25460.00	25460.00	Rupees Twenty Five Thousand Four Hundred Sixty Zero Only
7.030	OD167310/2023-2024 - Charges for Supply, Installation, Trial run and commissioning of CCTV cameras in Raw water pump houses which includes providing 2Nos 5 MP camera with motion sensor and 30m vision, 5 MP or Higher HD out DVR,1TB HDD,4G Router, Cable 10m,Rack, 500VA UPS, etc complete	1.000	1 nos	40027.00	40027.00	Rupees Forty Zero Thousand Zero Twenty Seven Only
7.031	18.26.1 - Providing and laying flanged C.I. Standard specials such as tees, bends, collars, tapers, caps etc., suitable for flanged jointing as per IS : 1538 :Upto 300 mm dia	1.340	quintal	10588.00	14187.92	Rupees Fourteen Thousand One Hundred Eighty Seven And Ninety Two paise Only
7.032	100.36.1 - 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.	40.000	Kilo litre	208.00	8320.00	Rupees Eight Thousand Three Hundred Twenty Only
7.033	OD167311/2023-2024 - Supplying and providing water level indicator to the tank using scale fabricated out of 2mm thick MS plate with in the frame work of suitable size MS square tube, 160mm PVC pipe for guiding the float, necessary pullies, suitable nylon thread for connecting float and level indicator, painting the entire structure,	1.000	each	11457.00	11457.00	Rupees Eleven Thousand Four Hundred Fifty Seven Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
8	Construction of 3LL Sump cum Pump house at James padi					
8.001	2.31 - 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	120.000	sqm	17.00	2040.00	Rupees Two Thousand Zero Forty Zero Only
8.002	2.8.1 - Earth work in excavation by mechanical means (Hydraulic excavator) /manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.All kinds of soil	33.000	cum	340.00	11220.00	Rupees Eleven Thousand Two Hundred Twenty Only
8.003	2.7.2 - 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.Hard rock (requiring blasting)	36.528	cum	821.00	29989.49	Rupees Twenty Nine Thousand Nine Hundred Eighty Nine And Forty Nine paise Only
8.004	OD167331/2023-2024 - Dowel bars - Supplying and providing MS dowel bars of size 16mm dia of 2m long (1m in rock and 1m in concrete) including drilling holes of 20mm dia and filling the gap with cement grout (.5kg/each) etc...	150.000	no	988.00	148200.00	Rupees One Lakh Forty Eight Thousand Two Hundred Zero Only
8.005	4.1.3 - Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:1:2:4 (cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size)	14.554	cum	9142.00	133052.67	Rupees One Lakh Thirty Three Thousand Zero Fifty Two And Sixty Seven paise Only
8.006	5.33.1 - Providing and laying in position machine batched and machine mixed design mix M-25 grade cement	19.146	cum	10769.00	206183.27	Rupees Two Lakh Six Thousand One Hundred Eighty

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	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					Three And Twenty Seven paise Only
8.007	5.33.2 - 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	67.727	cum	12659.00	857356.09	Rupees Eight Lakh Fifty Seven Thousand Three Hundred Fifty Six And Nine paise Only
8.008	5.34.1 - 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	85.577	cum	94.00	8044.24	Rupees Eight Thousand Zero Forty Four And Twenty Four paise Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	M-30 is @ 340 kg/cum).					
8.009	50.6.1.3 - Solid block masonry using pre cast solid blocks (Factory made) of size 40x20x20cm or nearest available size confirming to IS 2185 Part I of 1979 for super structure above floor two level up to floor V level thickness 20cm and above in: CM 1:6 (1 cement :6 coarse sand) etc complete	8.310	cum	8532.00	70900.92	Rupees Seventy Zero Thousand Nine Hundred Zero And Ninety Two paise Only
8.010	50.6.1.9 - Solid block masonry using pre cast solid blocks(Factory made) of size 40x20x15 cm or nearest available size confirming to IS 2185 part I of 1979 for super structure above floor two level upto floor five level with thickness 15cm in: CM 1:6 (1 cement : 6 coarse sand) etc complete	11.311	cum	8958.00	101323.94	Rupees One Lakh One Thousand Three Hundred Twenty Three And Ninety Four paise Only
8.011	21.1.1.2 - Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS : 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing /paneling, C.P. brass/ stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge.(Glazing, paneling and dash fasteners to be paid for separately): For fixed portion Powder coated aluminium (minimum thickness of powder coating 50 micron)	12.000	kg	614.00	7368.00	Rupees Seven Thousand Three Hundred Sixty Eight Only
8.012	21.1.2.2 - For shutters of doors, windows & ventilators including providing and fixing hinges / pivots and	9.000	kg	736.00	6624.00	Rupees Six Thousand Six Hundred Twenty Four

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	making provision for fixing of fittings wherever required including the cost of EPDM rubber/ neoprene gasket required (Fittings shall be paid for separately) Powder coated aluminium (minimum thickness of powder coating 50 micron)					Only
8.013	21.3.1 - Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of Engineer - in - Charge. (Cost of aluminium snap beading shall be paid in basic item):With float glass panes of 4.0 mm thickness	8.438	sqm	1346.00	11357.55	Rupees Eleven Thousand Three Hundred Fifty Seven And Fifty Five paise Only
8.014	5.9.1 - Centering and shuttering including strutting, etc. and removal of form for:Foundations, footings, bases of columns, etc for mass concrete	14.400	sqm	384.00	5529.60	Rupees Five Thousand Five Hundred Twenty Nine And Sixty Zero paise Only
8.015	5.9.3 - Centering and shuttering including strutting, etc. and removal of form for:Suspended floors, roofs, landings, balconies and access platform	482.674	sqm	933.00	450334.84	Rupees Four Lakh Fifty Zero Thousand Three Hundred Thirty Four And Eighty Four paise Only
8.016	5.22.6 - 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	10424.760	kilogram	112.00	1167573.12	Rupees Eleven Lakh Sixty Seven Thousand Five Hundred Seventy Three And Twelve paise Only
8.017	13.7.1 - 12 mm cement plaster finished with a floating coat of neat cement of mix:1:3 (1 cement : 3 fine sand)	842.041	sqm	459.00	386496.82	Rupees Three Lakh Eighty Six Thousand Four Hundred Ninety Six And Eighty Two paise Only
8.018	22.23.1 - Providing and applying integral crystalline slurry of hydrophilic in nature for waterproofing treatment to the RCC structures like retaining walls of the basement, water tanks, roof slabs, podiums, reservoir, sewage & water treatment plant, tunnels	162.040	sqm	652.00	105650.08	Rupees One Lakh Five Thousand Six Hundred Fifty Zero And Eight paise Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	<p>/ subway and bridge deck etc., prepared by mixing in the ratio of 5 : 2 (5 parts integral crystalline slurry : 2 parts water) for vertical surfaces and 3 : 1 (3 parts integral crystalline slurry : 1 part water) for horizontal surfaces and applying the same from negative (internal) side with the help of synthetic fiber brush. The material shall meet the requirements as specified in ACI-212-3R-2010 i.e by reducing permeability of concrete by more than 90% compared with control concrete as per DIN 1048 and resistant to 16 bar hydrostatic pressure on negative side. The crystalline slurry shall be capable of self-healing of cracks up to a width of 0.50mm. The work shall be carried out all complete as per specification and the direction of the engineer-in-charge. The product performance shall carry guarantee for 10 years against any leakage. For vertical surface two coats @0.70 kg per sqm</p>					
8.019	<p>22.23.2 - Providing and applying integral crystalline slurry of hydrophilic in nature for waterproofing treatment to the RCC structures like retaining walls of the basement, water tanks, roof slabs, podiums, reservoir, sewage & water treatment plant, tunnels</p> <p>/ subway and bridge deck etc., prepared by mixing in the ratio of 5 : 2 (5 parts integral crystalline slurry : 2 parts water) for vertical surfaces and 3 : 1 (3 parts integral crystalline slurry : 1 part water) for horizontal surfaces and applying the same from negative (internal) side with the help of synthetic fiber brush. The material shall meet the requirements as specified in ACI-212-3R-2010 i.e by reducing permeability of concrete by</p>	89.250	sqm	503.00	44892.75	Rupees Forty Four Thousand Eight Hundred Ninety Two And Seventy Five paise Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	more than 90% compared with control concrete as per DIN 1048 and resistant to 16 bar hydrostatic pressure on negative side. The crystalline slurry shall be capable of self-healing of cracks up to a width of 0.50mm. The work shall be carried out all complete as per specification and the direction of the engineer-in-charge. The product performance shall carry guarantee for 10 years against any leakage.For horizontal surface one coat @ 1.10 kg per sqm.					
8.020	13.47.1 - Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade:New work (Two or more coats applied @ 1.43 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)	492.931	sqm	217.00	106966.03	Rupees One Lakh Six Thousand Nine Hundred Sixty Six And Three paise Only
8.021	13.71 - Lettering with black Japan pint of approved brand and manufacture	80.000	per Letter per cm height	6.00	480.00	Rupees Four Hundred Eighty Zero Only
8.022	10.25.2 - Item Shifted to Sub head 14 as item 14.73 Item Shifted to head 14 as item 14.74 Steel work welded in built up sections/framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	850.000	kg	176.00	149600.00	Rupees One Lakh Forty Nine Thousand Six Hundred Zero Only
8.023	100.41.34 - Supplying and fixing Rectangular C.I. manhole cover 455mm x 610mm with frame (low duty) charges including all cost, labour charges etc., complete.	6.000	no	3201.00	19206.00	Rupees Nineteen Thousand Two Hundred Six Only
8.024	10.6.1 - Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at	8.100	sqm	3965.00	32116.50	Rupees Thirty Two Thousand One Hundred Sixteen And Fifty Zero paise Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters.80x1.25 mm M.S. laths with 1.25 mm thick top cover					
8.025	9.48.2 - Providing and fixing M.S. Grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete.Fixed to openings/ wooden frames with rawl plugs screws etc	80.000	kg	247.00	19760.00	Rupees Nineteen Thousand Seven Hundred Sixty Zero Only
8.026	18.26.1 - Providing and laying flanged C.I. Standard specials such as tees, bends, collars, tapers, caps etc., suitable for flanged jointing as per IS : 1538 :Upto 300 mm dia	1.340	quintal	10588.00	14187.92	Rupees Fourteen Thousand One Hundred Eighty Seven And Ninety Two paise Only
8.027	OD167332/2023-2024 - Supplying and providing water level indicator to the tank using scale fabricated out of 2mm thick MS plate with in the frame work of suitable size MS square tube, 160mm PVC pipe for guiding the float, necessary pullies, suitable nylon thread for connecting float and level indicator, painting the entire structure,	1.000	each	11457.00	11457.00	Rupees Eleven Thousand Four Hundred Fifty Seven Only
8.028	100.36.1 - 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	300.000	Kilo litre	208.00	62400.00	Rupees Sixty Two Thousand Four Hundred Zero Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	tanker lorry, tools and other appliances and cost of water etc. complete.					
9	Road restoration charges PWD/SH/NH					
9.001	3.6 - Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location within all lifts and lead upto 1000m	1368.450	cum	53.00	72527.85	Rupees Seventy Two Thousand Five Hundred Twenty Seven And Eighty Five paise Only
9.002	4.2.A.1 - Construction of granular sub-base by providing graded material, spreading in uniform layers with a motor grader on a prepared surface, mixing by mix in-place method with rotavator at OMC, and compacting with a vibratory roller to achieve the desired density, complete as per clause 401. Grading-III -For lower sub-base - Mix in Place Method	699.975	cum	3598.00	2518510.05	Rupees Twenty Five Lakh Eighteen Thousand Five Hundred Ten And Five paise Only
9.003	4.12 - Providing, laying, spreading and compacting graded stone aggregate to Wet Mix Macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub- base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density.	36.000	cum	3700.00	133200.00	Rupees One Lakh Thirty Three Thousand Two Hundred Zero Only
9.004	5.1.a - Providing and applying primer coat with bitumen emulsion (SS) on prepared surface of granular Base including clearing of road surface and spraying primer at the rate of 0.70 - 1.0 kg/sqm using mechanical means.	510.000	sqm	68.00	34680.00	Rupees Thirty Four Thousand Six Hundred Eighty Zero Only
9.005	5.2.b - Providing and applying tack coat with bitumen emulsion (RS) using emulsion pressure distributor at the rate of 0.25 - 0.30 kg per sqm on the prepared	510.000	sqm	15.00	7650.00	Rupees Seven Thousand Six Hundred Fifty Zero Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	Granular Surface cleaned with mechanical broom.					
9.006	5.3.2.a - Providing and laying bituminous macadam with 80-100 TPH hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading premixed with a bituminous binder (VG 30), transported to the site, laid over a previously prepared surface with paver finisher to the required grade, level, and alignment and rolled as per clauses 501.6 and 501.7 to achieve the desired compaction For Grading II - (19 mm nominal size)	18.750	cum	9278.00	173962.50	Rupees One Lakh Seventy Three Thousand Nine Hundred Sixty Two And Fifty Zero paise Only
9.007	5.2.a - Providing and applying tack coat with bitumen emulsion(RS) using emulsion pressure distributor at the rate of 0.20 - 0.30 kg per sqm on the prepared bituminous surface cleaned with mechanical broom.	375.000	sqm	13.00	4875.00	Rupees Four Thousand Eight Hundred Seventy Five Only
9.008	5.6.2.a - Providing and laying bituminous concrete with 80-100 TPH hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with a bituminous binder(NRMB) @ 5.4 percent of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level, and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 507 complete in all respects For Grading - II (13.2 mm Nominal Size)	11.250	cum	14124.00	158895.00	Rupees One Lakh Fifty Eight Thousand Eight Hundred Ninety Five Only
9.009	5.7.1 - Providing, laying and rolling of close-graded premix surfacing material of 20 mm thickness composed of 11.2 mm to 0.09 mm (Type-A) aggregates using viscosity grade bitumen (VG - 30) to the required line, grade, and level to serve as wearing course on a previously	135.000	sqm	223.00	30105.00	Rupees Thirty Zero Thousand One Hundred Five Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	prepared base, including mixing in a suitable HMP of appropriate capacity not less than 75 tonnes/hour., laying and rolling with a Smooth wheeled roller 8-10 tonne capacity, and finishing to the required level and grade.					
9.010	5.8.a - Providing and laying surface dressing as wearing course in single coat using crushed stone aggregates of specified size on a layer of bituminous binder (VG 30) laid on the prepared surface and rolling with 8-10 tonne smooth wheeled steel roller. Grading I - 19 mm nominal chipping size	135.000	sqm	120.00	16200.00	Rupees Sixteen Thousand Two Hundred Zero Only
9.011	12.4 - Plain cement concrete 1:3:6 nominal mix in foundation with crushed stone aggregate 40 mm nominal size mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days.	421.650	cum	7363.00	3104608.95	Rupees Thirty One Lakh Four Thousand Six Hundred Eight And Ninety Five paise Only
9.012	12.8.B.1 - Plain/Reinforced Cement Concrete in Open Foundation complete as per Drawing and Technical Specifications PCC Grade M20	316.238	cum	9182.00	2903697.32	Rupees Twenty Nine Lakh Three Thousand Six Hundred Ninety Seven And Thirty Two paise Only
10	Road restoration charges -LSGD					
10.001	3.5.3 - Excavation in Soil using Hydraulic Excavator and Tippers with disposal upto 1000 m Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross-sections, and transporting to the embankment location with a lift upto 1.5 m and lead upto 1000 m as per Technical Specification Clause 302.3	127.500	cum	41.00	5227.50	Rupees Five Thousand Two Hundred Twenty Seven And Fifty Zero paise Only
10.002	4.1.A.1 - Granular Sub-base with Well Graded Material (Table 400.1) (A) By Mix in Place Method Construction of granular sub-base by providing well graded material, spreading in uniform	63.750	cum	3392.00	216240.00	Rupees Two Lakh Sixteen Thousand Two Hundred Forty Zero Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with smooth wheel roller to achieve the desired density, complete as per Technical Specification Clause 401. (i) For Grading I Material					
10.003	4.9 - Wet Mix Macadam Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the material with water at OMC in mechanical mixer (Pug Mill), carriage of mixed material by tipper to site, laying in uniform layers in sub-base/base course on a well prepared sub-base and compacting with smooth wheel roller of 80 to 100kN weight to achieve the desired density including lighting, barricading and maintenance of diversion, etc as per Tables 400.11 & 400.12 and Technical Specification Clause 406. By Mechanical Means with 1 km lead	22.500	cum	3791.00	85297.50	Rupees Eighty Five Thousand Two Hundred Ninety Seven And Fifty Zero paise Only
10.004	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	250.000	sqm	81.00	20250.00	Rupees Twenty Thousand Two Hundred Fifty Zero Only
10.005	5.2.3a - 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.	250.000	sqm	17.00	4250.00	Rupees Four Thousand Two Hundred Fifty Zero Only
10.006	5.9.1.2a - 20mm thick Open-Graded Premix Carpet using Bituminous (penetration grade/modified bitumen) Binder - Bitumen S-65 Providing, laying and rolling	337.500	sqm	220.00	74250.00	Rupees Seventy Four Thousand Two Hundred Fifty Zero Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	of open-graded premix carpet of 20 mm thickness composed of 13.2 mm to 5.6 mm aggregates either using penetration grade bitumen or emulsion to required line, grade and level to serve as wearing course on a previously prepared base, including mixing in a suitable plant, laying and rolling with a three wheel 80-100 kN static roller capacity, finished to required level and grades to be followed by seal coat of either Type A or Type B or Type C as per Technical Specification Clause 508. Case - I By Manual Means (II) Bitumen (S-65)					
10.007	5.12.A.3.2a - Seal Coat - Manual Means - Type C - Bitumen S-65 Providing and laying seal coat sealing the voids in a bituminous surface laid to the specified levels, grade and cross fall using Type A, Type B and Type C as per Technical Specification Clause 510 A. By Manual Means :- Case - III : Type C (II) Bitumen (S-65)	337.500	sqm	93.00	31387.50	Rupees Thirty One Thousand Three Hundred Eighty Seven And Fifty Zero paise Only
10.008	11.4.3.1 - Providing concrete for plain/reinforced concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203 III. P.C.C. grade M 20 (i) Nominal mix (1:2:4)	74.250	cum	9463.00	702627.75	Rupees Seven Lakh Two Thousand Six Hundred Twenty Seven And Seventy Five paise Only
11	Electrification works and Supply erection testing and commissioning of pump sets at Erachilpara					
11.001	OD167333/2023-2024 - Supply, erection & commissioning of best quality KWA approved make ISI marked centrifugal pumpset having a 15 LPS discharge against 130 M head at its maximum efficiency working at 230/415V at 50 Hz, 1450 rpm with bronze impeller, stainless steel shaft, CI/SS pump casing with suitable type base plate, including suitable fully Automatic starter with dry run, under voltage, over voltage & over current protection relay, MS panel board with MCCB, ELCB, Capacitor, Indicator	2.000	no	1480511.00	2961022.00	Rupees Twenty Nine Lakh Sixty One Thousand Zero Twenty Two Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	<p>lamps, voltmeter, ammeter, change over switch etc suitable for the above motor pump set including necessary copper cable for wiring, earthing, suitable size GM/CI non return & sluce valves, suction & delivery connections etc as per ISI and IE regulations & KSEB standard and erected & trial run conducted for 7days as per the direction of dept. officers and 2 years of free maintenance. If any documentation is required, that should be arranged by the supplier.A). PUMP:- Supply , erection , testing and commissioning of Kirloskar reputed make centrifugal pumpsets with Bronze/SS impeller , SS shaft and CI pump casing with suitable type of base plate with coupling ,coupling guard foundation bolts and 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 duty condition is as follows discharge -15 lps, total head - 130m,Speed - 1460 rpm, &(B). MOTOR:- supply , erection , testing and commissioning of Kirloskar reputed make horizontal solid shaft foot mounted TEFC squaral cage induction motor suitable for the above pump working 3 phase 50HZ AC supply , w o r k i n g voltage&415 V / 3300 V . The motor shall confirm to IE2/IE3 as per IS 12615-2018 including providing suitable concrete foundation including cost of cement, sand and metal etc complete. Flexible coupling shall be used for coupling of p u m p s a n d motors&(C).START ER:- Supply ,erection, testing and commissioning of dry type copper wound auto transformer having</p>					

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	<p>40,60,80% taping mounded with powder coated 2 mm thick steel sheath dust and vermin proof floor mounted control cubical panel associated with in/out cable entry boxes for accommodating the following parameters for controlling functions of the the fully automatic auto transformer starter. suitable for above motor - L&T or equivalent reputed co. make MNX 225 contactor unit -1 No L&T or equivalent Co make MNX 95 contactor unit- 2 Nos Timer and supervisory trip relay 1 No OV/UV control relays Minilac or equivalent Co make single phasing preventer AVF digital meter 1 No and selector switch - 1 set ON/Off ,trip & 3 phase indication lamps, Digital or numerical motor protection relay Power Circuit wiring with 25 x 4mm PVC sleeve insulated copper bar and 2.5 sq.mm control wiring &</p> <p>(D).PANNEL BOARD :- Supply, erection,testing and commissioning of cubical type floor mounted MS fabricated dust and vermin proof common control panel board consisting of 1 No. suitable rating of 3 pole MCCB as incomer providing suitable size Aluminium bus bar inter connect the above MCCB and fitted with 3 Nos of indicator lamps, 1 No. volt meter with selector switch, 1 No. Ammeter with selector switch etc. complete and provided with duplicate earth point as per CEA regulation and code of practice. the panel shall be fitted on a common base frame on suitable foundation &</p> <p>(E).CABLING WORK:- Supply, laying, testing and commissioning of suitable size Aluminium conductor armoured cables for the above pump set from panel board to starter and suitable size cable through PVC pipe, flexible hose and</p>					

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	<p>accessories from starter to motor.considering energy conservation & (F). EARTHING:- Supply of all material and providing duplicate earthing by 25 x 3mm copper strip on wall /column/floor/buried (Appx. 20 mtrs) in ground and giving double earthing to motor,starter,panel board etc. and connect with existing earthbus. As per IE standards & (G).CAPACITOR:- Supply,erection,testing and commissioning suitable rating of of heavy duty APP capacitor for the above motor to get unity&power factor . The capacitor shall confirm to IS 2834 & (H).VALVE:- Supply of suitable size best quality heavy duty ISI Marked CI double fanged sluice valve and Non return valve with suitable pressure rating.fitting of valves shall include proper RCC support especially for Non return valves. In case of positive suction pump set sluice valve should be in suction as well as delivery sides for easy repair works. Pressure gauge on both suction and delivery side & (I).SUC TION AND DELIVERY PIPE CONNECTIONS:- Supply and fitting of suitable size best quality MS pipe of thickness not less than 8 mm for a total length of 8 m (approx). suitable for the above pump set and suitable size foot valve and connecting the suction pipe of size 200mm MS and valve with suitable flanges, nut and bolts IR sheet etc. complete and connecting the delivery side of the pump with 150mm MS pipe of thickness not less than 8 mm for a total length of 8 m (approx) , vales and suitable specials to connect with the pumping main</p>					
11.002	OD167334/2023-2024 -	6.000	no	1157.00	6942.00	Rupees Six

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	Supply & installation of light fittings on TW round block Supply, conveyance installation testing and commissioning the light fittings of following types made of CRCA with 0.5mm thickness complete with all accessories and lamps etc. directly on wall or ceiling with PVC round block neatly painted to suit the fitting and giving connection with required length of 16/0.20mm 3 core copper conductor flex wire conforming to relevant ISS and giving connections as required. 1x28wT5 fitting with APF electronic ballast suitable for continuous operation with THD less than 10%, power factor greater than 0.98, RoHS compliant, high lumen tube .					Thousand Nine Hundred Forty Two Only
11.003	OD167335/2023-2024 - Providing and fixing 25 mm X 5 mm copper strip on surface or in recess for connections etc. as required. As per Databook DAR Electrical-5.14.	8.000	metre	1371.00	10968.00	Rupees Ten Thousand Nine Hundred Sixty Eight Only
11.004	OD167336/2023-2024 - 25mm PVC Conduit-Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/ recess including cutting the wall and making good the same in case of recessed conduit as required. 25 mm .As per Databook DAR Electrical-1.21.2.	6.000	metre	123.00	738.00	Rupees Seven Hundred Thirty Eight Only
11.005	OD167337/2023-2024 - Wiring with 3x 4 sq mm FRLS PVC insulated copper conductor-Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existingsurface / recessed steel/ PVC conduit as required. 3 x 4 sq. mm As per databook DAR Electrical-1.17.21.	6.000	metre	158.00	948.00	Rupees Nine Hundred Forty Eight Only
11.006	OD167338/2023-2024 - 12 Way MCB DB 240V - Supplying and fixing	1.000	no	2259.00	2259.00	Rupees Two Thousand Two Hundred Fifty

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCBIRCCB/Isolator 12 way, Double door. As per Databook DAR Electrical-2.3.3.					Nine Only
11.007	OD167339/2023-2024 - SPN 5-32A MCB-Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Single pole and neutral .As per Databook DAR Electrical-2.10.2.	2.000	no	740.00	1480.00	Rupees One Thousand Four Hundred Eighty Zero Only
11.008	OD167340/2023-2024 - DP Isolator 40A -Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required. 40 amps .As per Databook DAR Electrical-2.12.1.	1.000	no	461.00	461.00	Rupees Four Hundred Sixty One Only
11.009	OD167341/2023-2024 - RCCB DP 40A - Supplying and fixing following rating, double pole, (single phase and neutral), 240 volts, residual current circuit breaker (RCCB), having a sensitivity current upto 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required. 40 amps . As per Databook DAR Electrical 2.14.2.	1.000	no	2850.00	2850.00	Rupees Two Thousand Eight Hundred Fifty Zero Only
11.010	OD167342/2023-2024 - Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC	14.000	point	1064.00	14896.00	Rupees Fourteen Thousand Eight Hundred Ninety Six Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required. Group B. As per Databook DAR Electrical 1.10.2.					
11.011	OD167343/2023-2024 - Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required. As per Data book Electrical 5.6	2.000	set	16041.00	32082.00	Rupees Thirty Two Thousand Zero Eighty Two Only
11.012	OD167344/2023-2024 - Expenses of getting electrical connection from KSEB including documentation fee, service charges, energization charges etc	1.000	job	21896.00	21896.00	Rupees Twenty One Thousand Eight Hundred Ninety Six Only
11.013	OD167345/2023-2024 - Supply, conveyance, installation and commissioning of light duty Exhaust fan of 300/305mm sweep in metal frame working on 230V A/C 300 sweep including making good the damages etc as required as directed by the departmental officers	2.000	no	2887.00	5774.00	Rupees Five Thousand Seven Hundred Seventy Four Only
11.014	OD167346/2023-2024 - Supply conveyance ,installation testing and commissioning of 36/40 W LED street/Yard light out put greater than 105 lumen/watts 4000-6000K with IP66 protection with LED chip make cree/Lumiled/Nichea with powerfactor greater than 0.95 at full load ,internal surge protection up to 8 kv and alluminium pressure die cast powder coated housing acrylic cover complete with THD less than 10% power factor greater than 0.98 ROHS compliant duly wired up for use on 230v AC supply. Driver compartment should be separately	4.000	no	4982.00	19928.00	Rupees Nineteen Thousand Nine Hundred Twenty Eight Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	a c c e s s i b l e f o r maintenance(LM 79&80 Certificate from NABL accredited third party lab produced mentioning chip manufacturer)					
11.015	OD167347/2023-2024 - Supply , delivery and fixing of 3 T or suitable capacity Electrically and manually working on single girder with overhead travelling trolley and clear lift as per site conditions for lifting the chemicals, Chlorine, pumps etc.. and fitting as required, supplied with one set of crane slings with GI D shackle and clamps etc. complete as per the instruction of the Engineer in charge.
	1.000	no	312056.00	312056.00	Rupees Three Lakh Twelve Thousand Zero Fifty Six Only
12	Electrification works and Supply erection testing and commissioning of pump sets at Poopara					
12.001	OD167315/2023-2024 - Supply, erection & commissioning of best quality KWA approved make ISI marked centrifugal pumpset having a 15 LPS discharge against 145 M head at its maximum efficiency working at 230/415V at 50 Hz, 1450 rpm with bronze impeller, stainless steel shaft, CI/SS pump casing with suitable type base plate, including suitable fully Automatic starter with dry run, under voltage, over voltage & over current protection relay, MS panel board with MCCB, ELCB, Capacitor, Indicator lamps, voltmeter, ammeter, change over switch etc suitable for the above motor pump set including necessary copper cable for wiring, earthing, suitable size GM/CI non return & sluice valves, suction & delivery connections etc as per ISI and IE regulations & KSEB standard and erected & trial run conducted for 7days as per the direction of dept. officers and 2 years of free maintenance. If any documentation is required, that should be arranged by the supplier.A). PUMP:- Supply , erection ,	2.000	no	1629537.00	3259074.00	Rupees Thirty Two Lakh Fifty Nine Thousand Zero Seventy Four Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	<p>testing and commissioning of Kirloskar reputed make centrifugal pumpsets with Bronze/SS impeller , SS shaft and CI pump casing with suitable type of base plate with coupling ,coupling guard foundation bolts and 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 duty condition is as follows discharge - 15 lps, total head - 145m,Speed - 1460 rpm, &br>;</p> <p>(B). MOTOR:- supply , erection , testing and commissioning of Kirloskar reputed make horizontal solid shaft foot mounted TEFC squaral cage induction motor suitable for the above pump working 3 phase 50HZ AC supply , working voltage&br>;415 V / 3300 V . The motor shall confirm to IE2/IE3 as per IS 12615-2018 including providing suitable concrete foundation including cost of cement, sand and metal etc complete. Flexible coupling shall be used for coupling of pumps and motors&br>;</p> <p>(C).STARTER:- Supply ,erection, testing and commissioning of dry type copper wound auto transformer having 40,60,80% tapping mounded with powder coated 2 mm thick steel sheath dust and vermin proof floor mounted control cubical panel associated with in/out cable entry boxes for accommodating the following parameters for controlling functions of the the fully automatic auto transformer starter. suitable for above motor - L&T or equivalent reputed co. make MNX 225 contactor unit -1 No L&T or equivalent Co make MNX 95 contactor unit- 2 Nos Timer and supervisory trip relay 1 No</p>					

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	<p>OV/UV control relays Minilac or equivalent Co make single phasing preventer AVF digital meter 1 No and selector switch - 1 set ON/Off ,trip & 3 phase indication lamps, Digital or numerical motor protection relay Power Circuit wiring with 25 x 4mm PVC sleeve insulated copper bar and 2.5 sq.mm control wiring &</p> <p>(D).PANNEL BOARD :- Supply, erection,testing and commissioning of cubical type floor mounted MS fabricated dust and vermin proof common control panel board consisting of 1 No. suitable rating of 3 pole MCCB as incomer providing suitable size Aluminium bus bar inter connect the above MCCB and fitted with 3 Nos of indicator lamps, 1 No. volt meter with selector switch, 1 No. Ammeter with selector switch etc. complete and provided with duplicate earth point as per CEA regulation and code of practice. the panel shall be fitted on a common base frame on suitable foundation &</p> <p>(E).CABLING WORK:- Supply, laying, testing and commissioning of suitable size Aluminium conductor armoured cables for the above pump set from panel board to starter and suitable size cable through PVC pipe, flexible hose and accessories from starter to motor.considering energy conservation &</p> <p>(F). EARTHING:- Supply of all material and providing duplicate earthing by 25 x 3mm copper strip on wall /column/floor/buried (Appx. 20 mtrs) in ground and giving double earthing to motor,starter,panel board etc. and connect with existing earthbus. As per IE standards &</p> <p>(G).CAPACITOR:- Supply,erection,testing and commissioning suitable rating of of heavy duty APP</p>					

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	<p>capacitor for the above motor to get unity
power factor . The capacitor shall confirm to IS 2834
(H). VALVE:- Supply of suitable size best quality heavy duty ISI Marked CI double fanged sluice valve and Non return valve with suitable pressure rating,fitting of valves shall include proper RCC support especially for Non return valves. In case of positive suction pump set sluice valve should be in suction as well as delivery sides for easy repair works. Pressure gauge on both suction and delivery side

(I). SUCTION AND DELIVERY PIPE CONNECTIONS:- Supply and fitting of suitable size best quality MS pipe of thickness not less than 8 mm for a total length of 8 m (approx). suitable for the above pump set and suitable size foot valve and connecting the suction pipe of size 200mm MS and valve with suitable flanges, nut and bolts IR sheet etc. complete and connecting the delivery side of the pump with 150mm MS pipe of thickness not less than 8 mm for a total length of 8 m (approx) , vales and suitable specials to connect with the pumping main</p>					
12.002	<p>OD167316/2023-2024 - Supply, erection & commissioning of best quality KWA approved make ISI marked centrifugal pumpset having a 3 LPS discharge against 180 M head at its maximum efficiency working at 230/415V at 50 Hz, 1450 rpm with bronze impeller, stainless steel shaft, CI/SS pump casing with suitable type base plate, including suitable fully Automatic starter with dry run, under voltage, over voltage & over current protection relay, MS panel board with MCCB, ELCB, Capacitor, Indicator</p>	2.000	no	448645.00	897290.00	Rupees Eight Lakh Ninety Seven Thousand Two Hundred Ninety Zero Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	<p>lamps, voltmeter, ammeter, change over switch etc suitable for the above motor pump set including necessary copper cable for wiring, earthing, suitable size GM/CI non return & sluce valves, suction & delivery connections etc as per ISI and IE regulations & KSEB standard and erected & trial run conducted for 7days as per the direction of dept. officers and 2 years of free maintenance. If any documentation is required, that should be arranged by the supplier.</p> <p>A). PUMP:- Supply , erection , testing and commissioning of Kirloskar reputed make centrifugal pumpsets with Bronze/SS impeller , SS shaft and CI pump casing with suitable type of base plate with coupling ,coupling guard foundation bolts and 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 duty condition is as follows discharge - 3 lps, total head - 180m,Speed -1460 rpm, &</p> <p>(B). MOTOR:- supply , erection , testing and commissioning of Kirloskar reputed make horizontal solid shaft foot mounted TEFC squaral cage induction motor suitable for the above pump working 3 phase 50HZ AC supply , working voltage & 415 V / 3300 V . The motor shall confirm to IE2/IE3 as per IS 12615-2018 including providing suitable concrete foundation including cost of cement, sand and metal etc complete. Flexible coupling shall be used for coupling of pumps and motors &</p> <p>(C).STARTER:- Supply ,erection, testing and commissioning of dry type copper wound auto transformer having</p>					

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	<p>40,60,80% taping mounded with powder coated 2 mm thick steel sheath dust and vermin proof floor mounted control cubical panel associated with in/out cable entry boxes for accommodating the following parameters for controlling functions of the the fully automatic auto transformer starter. suitable for above motor - L&T or equivalent reputed co. make MNX 225 contactor unit -1 No L&T or equivalent Co make MNX 95 contactor unit- 2 Nos Timer and supervisory trip relay 1 No OV/UV control relays Minilac or equivalent Co make single phasing preventer AVF digital meter 1 No and selector switch - 1 set ON/Off ,trip & 3 phase indication lamps, Digital or numerical motor protection relay Power Circuit wiring with 25 x 4mm PVC sleeve insulated copper bar and 2.5 sq.mm control wiring &</p> <p>(D).PANNEL BOARD :- Supply, erection,testing and commissioning of cubical type floor mounted MS fabricated dust and vermin proof common control panel board consisting of 1 No. suitable rating of 3 pole MCCB as incomer providing suitable size Aluminium bus bar inter connect the above MCCB and fitted with 3 Nos of indicator lamps, 1 No. volt meter with selector switch, 1 No. Ammeter with selector switch etc. complete and provided with duplicate earth point as per CEA regulation and code of practice. the panel shall be fitted on a common base frame on suitable foundation &</p> <p>(E).CABLING WORK:- Supply, laying, testing and commissioning of suitable size Aluminium conductor armoured cables for the above pump set from panel board to starter and suitable size cable through PVC pipe, flexible hose and</p>					

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	<p>accessories from starter to motor.considering energy conservation &lt;br&gt;</p> <p>(F). EARTHING:- Supply of all material and providing duplicate earthing by 25 x 3mm copper strip on wall /column/floor/buried (Appx. 20 mtrs) in ground and giving double earthing to motor,starter,panel board etc. and connect with existing earthbus. As per IE standards &lt;br&gt;</p> <p>(G).CAPACITOR:- Supply,erection,testing and commissioning suitable rating of of heavy duty APP capacitor for the above motor to get unity&lt;br&gt;power factor . The capacitor shall confirm to IS 2834 &lt;br&gt;</p> <p>(H).VALVE:- Supply of suitable size best quality heavy duty ISI Marked CI double fanged sluice valve and Non return valve with suitable pressure rating.fitting of valves shall include proper RCC support especially for Non return valves. In case of positive suction pump set sluice valve should be in suction as well as delivery sides for easy repair works. Pressure gauge on both suction and delivery side &lt;br&gt;&lt;br&gt;</p> <p>(I). SUCTION AND DELIVERY PIPE CONNECTIONS:- Supply and fitting of suitable size best quality MS pipe of thickness not less than 8 mm for a total length of 8 m (approx). suitable for the above pump set and suitable size foot valve and connecting the suction pipe of size 200mm MS and valve with suitable flanges, nut and bolts IR sheet etc. complete and connecting the delivery side of the pump with 150mm MS pipe of thickness not less than 8 mm for a total length of 8 m (approx) , vales and suitable specials to connect with the pumping main (15% RATE)</p>					

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
12.003	OD167317/2023-2024 - Supply & installation of light fittings on TW round block Supply, conveyance installation testing and commissioning the light fittings of following types made of CRCA with 0.5mm thickness complete with all accessories and lamps etc. directly on wall or ceiling with PVC round block neatly painted to suit the fitting and giving connection with required length of 16/0.20mm 3 core copper conductor flex wire conforming to relevant ISS and giving connections as required. 1x28wT5 fitting with APF electronic ballast suitable for continuous operation with THD less than 10%, power factor greater than 0.98, RoHS compliant, high lumen tube .	6.000	no	1157.00	6942.00	Rupees Six Thousand Nine Hundred Forty Two Only
12.004	OD167318/2023-2024 - Providing and fixing 25 mm X 5 mm copper strip on surface or in recess for connections etc. as required. As per Databook DAR Electrical-5.14.	8.000	metre	1371.00	10968.00	Rupees Ten Thousand Nine Hundred Sixty Eight Only
12.005	OD167319/2023-2024 - 25mm PVC Conduit- Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/ recess including cutting the wall and making good the same in case of recessed conduit as required. 25 mm .As per Databook DAR Electrical-1.21.2.	6.000	metre	122.00	732.00	Rupees Seven Hundred Thirty Two Only
12.006	OD167320/2023-2024 - Wiring with 3x 4 sq mm FRLS PVC insulated copper conductor-Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existingsurface / recessed steel/ PVC conduit as required. 3 x 4 sq. mm As per databook DAR Electrical-1.17.21.	6.000	metre	158.00	948.00	Rupees Nine Hundred Forty Eight Only
12.007	OD167321/2023-2024 - 12 Way MCB DB 240V -	1.000	no	2260.00	2260.00	Rupees Two Thousand Two

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCBIRCCB/Isolator 12 way, Double door. As per Databook DAR Electrical-2.3.3.					Hundred Sixty Zero Only
12.008	OD167322/2023-2024 - SPN 5-32A MCB-Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Single pole and neutral .As per Databook DAR Electrical-2.10.2.	2.000	no	740.00	1480.00	Rupees One Thousand Four Hundred Eighty Zero Only
12.009	OD167323/2023-2024 - DP Isolator 40A -Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required. 40 amps .As per Databook DAR Electrical-2.12.1.	1.000	no	460.00	460.00	Rupees Four Hundred Sixty Zero Only
12.010	OD167324/2023-2024 - RCCB DP 40A - Supplying and fixing following rating, double pole, (single phase and neutral), 240 volts, residual current circuit breaker (RCCB), having a sensitivity current upto 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required. 40 amps . As per Databook DAR Electrical 2.14.2.	1.000	no	2850.00	2850.00	Rupees Two Thousand Eight Hundred Fifty Zero Only
12.011	OD167325/2023-2024 - Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface /	14.000	point	1064.00	14896.00	Rupees Fourteen Thousand Eight Hundred Ninety Six Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required. Group B. As per Databook DAR Electrical 1.10.2.					
12.012	OD167326/2023-2024 - Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required. As per Data book Electrical 5.6	1.000	set	16041.00	16041.00	Rupees Sixteen Thousand Zero Forty One Only
12.013	OD167327/2023-2024 - Expenses of getting electrical connection from KSEB including documentation fee, service charges, energization charges etc	1.000	job	21896.00	21896.00	Rupees Twenty One Thousand Eight Hundred Ninety Six Only
12.014	OD167328/2023-2024 - Supply, conveyance, installation and commissioning of light duty Exhaust fan of 300/305mm sweep in metal frame working on 230V A/C 300 sweep including making good the damages etc as required as directed by the departmental officers	2.000	no	2887.00	5774.00	Rupees Five Thousand Seven Hundred Seventy Four Only
12.015	OD167329/2023-2024 - Supply conveyance ,installation testing and commissioning of 36/40 W LED street/Yard light out put greater than 105 lumen/watts 4000-6000K with IP66 protection with LED chip make cree/Lumiled/Nichea with powerfactor greater than 0.95 at full load ,internal surge protection up to 8 kv and alluminium pressure die cast powder coated housing acrylic cover complete with THD less than 10% power factor greater than 0.98 ROHS compliant duly wired up for use on 230v AC supply. Driver compartment	4.000	no	4982.00	19928.00	Rupees Nineteen Thousand Nine Hundred Twenty Eight Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	should be separately accessible for maintenance(LM 79&80 Certificate from NABL accredited third party lab produced mentioning chip manufacturer)					
12.016	OD167330/2023-2024 - Supply , delivery and fixing of 3 T or suitable capacity Electrically and manually working on single girder with overhead travelling trolley and clear lift as per site conditions for lifting the chemicals, Chlorine, pumps etc.. and fitting as required, supplied with one set of crane slings with GI D shackle and clamps etc. complete as per the instruction of the Engineer in charge. 	1.000	no	312056.00	312056.00	Rupees Three Lakh Twelve Thousand Zero Fifty Six Only
13	Electrification works and Supply erection testing and commissioning of pump sets at Jamespadi					
13.001	OD167348/2023-2024 - Supply, erection & commissioning of best quality KWA approved make ISI marked centrifugal pumpset having a 17 LPS discharge against 140 M head at its maximum efficiency working at 230/415V at 50 Hz, 1450 rpm with bronze impeller, stainless steel shaft, CI/SS pump casing with suitable type base plate, including suitable fully Automatic starter with dry run, under voltage, over voltage & over current protection relay, MS panel board with MCCB, ELCB, Capacitor, Indicator lamps, voltmeter, ammeter, change over switch etc suitable for the above motor pump set including necessary copper cable for wiring, earthing, suitable size GM/CI non return & sluice valves, suction & delivery connections etc as per ISI and IE regulations & KSEB standard and erected & trial run conducted for 7days as per the direction of dept. officers and 2 years of free maintenance. If any documentation is required, that should be arranged by the supplier.	2.000	no	1750024.00	3500048.00	Rupees Thirty Five Lakh Zero Zero Forty Eight Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	<p>A). PUMP:- Supply , erection , testing and commissioning of Kirloskar reputed make centrifugal pumpsets with Bronze/SS impeller , SS shaft and CI pump casing with suitable type of base plate with coupling ,coupling guard foundation bolts and 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 duty condition is as follows discharge - 17 lps, total head - 140m,Speed - 1460 rpm,
</p> <p>(B). MOTOR:- supply , erection , testing and commissioning of Kirloskar reputed make horizontal solid shaft foot mounted TEFC squaral cage induction motor suitable for the above pump working 3 phase 50HZ AC supply , working voltage
415 V / 3300 V . The motor shall confirm to IE2/IE3 as per IS 12615-2018 including providing suitable concrete foundation including cost of cement, sand and metal etc complete. Flexible coupling shall be used for coupling of pumps and motors
</p> <p>(C).STARTER:- Supply ,erection, testing and commissioning of dry type copper wound auto transformer having 40,60,80% tapping mounded with powder coated 2 mm thick steel sheath dust and vermin proof floor mounted control cubical panel associated with in/out cable entry boxes for accommodating the following parameters for controlling functions of the the fully automatic auto transformer starter. suitable for above motor - L&T or equivalent reputed co. make MNX 225 contactor unit -1 No L&T or equivalent Co make MNX 95 contactor unit- 2 Nos Timer and</p>					

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	<p>supervisory trip relay 1 No OV/UV control relays Minilac or equivalent Co make single phasing preventer AVF digital meter 1 No and selector switch - 1 set ON/Off ,trip & 3 phase indication lamps, Digital or numerical motor protection relay Power Circuit wiring with 25 x 4mm PVC sleeve insulated copper bar and 2.5 sq.mm control wiring &</p> <p>(D).PANNEL BOARD :- Supply, erection,testing and commissioning of cubical type floor mounted MS fabricated dust and vermin proof common control panel board consisting of 1 No. suitable rating of 3 pole MCCB as incomer providing suitable size Aluminium bus bar inter connect the above MCCB and fitted with 3 Nos of indicator lamps, 1 No. volt meter with selector switch, 1 No. Ammeter with selector switch etc. complete and provided with duplicate earth point as per CEA regulation and code of practice. the panel shall be fitted on a common base frame on suitable foundation &</p> <p>(E).CABLING WORK:- Supply, laying, testing and commissioning of suitable size Aluminium conductor armoured cables for the above pump set from panel board to starter and suitable size cable through PVC pipe, flexible hose and accessories from starter to motor.considering energy conservation &</p> <p>(F). EARTHING:- Supply of all material and providing duplicate earthing by 25 x 3mm copper strip on wall /column/floor/buried (Appx. 20 mtrs) in ground and giving double earthing to motor,starter,panel board etc. and connect with existing earthbus. As per IE standards &</p> <p>(G).CAPACITOR:- Supply,erection,testing and commissioning suitable rating</p>					

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	<p>of of heavy duty APP capacitor for the above motor to get unity
power factor . The capacitor shall confirm to IS 2834
(H).VALVE:- Supply of suitable size best quality heavy duty ISI Marked CI double fanged sluice valve and Non return valve with suitable pressure rating.fitting of valves shall include proper RCC support especially for Non return valves. In case of positive suction pump set sluice valve should be in suction as well as delivery sides for easy repair works. Pressure gauge on both suction and delivery side

</p> <p>(I). SUCTION AND DELIVERY PIPE CONNECTIONS:- Supply and fitting of suitable size best quality MS pipe of thickness not less than 8 mm for a total length of 8 m (approx). suitable for the above pump set and suitable size foot valve and connecting the suction pipe of size 200mm MS and valve with suitable flanges, nut and bolts IR sheet etc. complete and connecting the delivery side of the pump with 150mm MS pipe of thickness not less than 8 mm for a total length of 8 m (approx) , vales and suitable specials to connect with the pumping main</p>					
13.002	<p>OD167349/2023-2024 - Supply & installation of light fittings on TW round block</p> <p>Supply, conveyance installation testing and commissioning the light fittings of following types made of CRCA with 0.5mm thickness complete with all accessories and lamps etc. directly on wall or ceiling with PVC round block neatly painted to suit the fitting and giving connection with required length of 16/0.20mm 3 core copper conductor flex wire conforming to relevant ISS and giving connections as</p>	6.000	no	1157.00	6942.00	Rupees Six Thousand Nine Hundred Forty Two Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	required. 1x28wT5 fitting with APF electronic ballast suitable for continuous operation with THD less than 10%, power factor greater than 0.98, RoHS compliant, high lumen tube .					
13.003	OD167350/2023-2024 - Providing and fixing 25 mm X 5 mm copper strip on surface or in recess for connections etc. as required. As per Databook DAR Electrical-5.14.	8.000	metre	1371.00	10968.00	Rupees Ten Thousand Nine Hundred Sixty Eight Only
13.004	OD167351/2023-2024 - 25mm PVC Conduit-Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recessincluding cutting the wall and making good the same in case of recessed conduit as required. 25 mm .As per Databook DAR Electrical-1.21.2.	6.000	metre	123.00	738.00	Rupees Seven Hundred Thirty Eight Only
13.005	OD167352/2023-2024 - Wiring with 3x 4 sq mm FRLS PVC insulated copper conductor-Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existingsurface / recessed steel/ PVC conduit as required. 3 x 4 sq. mm As per databook DAR Electrical-1.17.21.	6.000	metre	158.00	948.00	Rupees Nine Hundred Forty Eight Only
13.006	OD167353/2023-2024 - 12 Way MCB DB 240V - Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCBIRCCB/Isolator 12 way, Double door. As per Databook DAR Electrical-2.3.3.	1.000	no	2259.00	2259.00	Rupees Two Thousand Two Hundred Fifty Nine Only
13.007	OD167354/2023-2024 - SPN 5-32A MCB-Supplying and fixing 5 amps to 32 amps rating, 240/415 volts,	2.000	no	740.00	1480.00	Rupees One Thousand Four Hundred Eighty Zero Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	"C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Single pole and neutral .As per Databook DAR Electrical-2.10.2.					
13.008	OD167355/2023-2024 - DP Isolator 40A -Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required. 40 amps .As per Databook DAR Electrical-2.12.1.	1.000	no	461.00	461.00	Rupees Four Hundred Sixty One Only
13.009	OD167356/2023-2024 - RCCB DP 40A - Supplying and fixing following rating, double pole, (single phase and neutral), 240 volts, residual current circuit breaker (RCCB), having a sensitivity current upto 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required. 40 amps . As per Databook DAR Electrical 2.14.2.	1.000	no	2850.00	2850.00	Rupees Two Thousand Eight Hundred Fifty Zero Only
13.010	OD167357/2023-2024 - Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required. Group B. As per Databook DAR Electrical 1.10.2.	14.000	point	1064.00	14896.00	Rupees Fourteen Thousand Eight Hundred Ninety Six Only
13.011	OD167358/2023-2024 - Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking	1.000	set	16041.00	16041.00	Rupees Sixteen Thousand Zero Forty One Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required. As per Data book Electrical 5.6					
13.012	OD167359/2023-2024 - Expenses of getting electrical connection from KSEB including documentation fee, service charges, energization charges etc	1.000	job	21896.00	21896.00	Rupees Twenty One Thousand Eight Hundred Ninety Six Only
13.013	OD167360/2023-2024 - Supply, conveyance, installation and commissioning of light duty Exhaust fan of 300/305mm sweep in metal frame working on 230V A/C 300 sweep including making good the damages etc as required as directed by the departmental officers	2.000	no	2887.00	5774.00	Rupees Five Thousand Seven Hundred Seventy Four Only
13.014	OD167361/2023-2024 - Supply conveyance ,installation testing and commissioning of36/40 W LED street/Yard light out put greater than105 lumen/watts 4000-6000K with IP66 protection with LED chip make cree/Lumilled/Nichea with powerfactor greater than 0.95 at full load ,internal surge protection up to 8 kv and alluminium preasure die cast powder coated housing acryliccover complete with THD less than 10% power factor greater than 0.98 ROHS compliant duly wired up for use on 230v AC supply.Driver compartment should be separately accessible for maintanance(LM 79&80 Certificate from NABL accredited third party lab produced mentioning chip manufacturer)	4.000	no	4982.00	19928.00	Rupees Nineteen Thousand Nine Hundred Twenty Eight Only
13.015	OD167362/2023-2024 - Supply , delivery and fixing of 3 T or suitable capacity Electrically and manually working on single girder with overhead travelling trolley and clear lift as per site conditions for lifting the chemicals, Chlorine, pumps etc.. and fitting as required, supplied with one set of crane	1.000	no	312056.00	312056.00	Rupees Three Lakh Twelve Thousand Zero Fifty Six Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	slings with GI D shackle and clamps etc. complete as per the instruction of the Engineer in charge.
					
14	Supply erection testing and commissioning of pump sets at Poopara for magnapeak					
14.001	<p>OD167977/2023-2024 - Supply, erection &amp; commissioning of best quality KWA approved make ISI marked centrifugal pumpset having a 3 LPS discharge against 176 M head at its maximum efficiency working at 230/415V at 50 Hz, 1450 rpm with bronze impeller, stainless steel shaft, CI/SS pump casing with suitable type base plate, including suitable fully Automatic starter with dry run, under voltage, over voltage &amp; over current protection relay, MS panel board with MCCB, ELCB, Capacitor, Indicator lamps, voltmeter, ammeter, change over switch etc suitable for the above motor pump set including necessary copper cable for wiring, earthing, suitable size GM/CI non return &amp; sluice valves, suction &amp; delivery connections etc as per ISI and IE regulations &amp; KSEB standard and erected &amp; trial run conducted for 7days as per the direction of dept. officers and 2 years of free maintenance. If any documentation is required, that should be arranged by the supplier. A). PUMP:- Supply , erection , testing and commissioning of Kirloskar reputed make centrifugal pumpsets with Bronze/SS impeller , SS shaft and CI pump casing with suitable type of base plate with coupling ,coupling guard foundation bolts and nuts etc. complete suitable for coupling the pump and motor above the base&lt;br&gt;plate</p>	4.000	set	529327.00	2117308.00	Rupees Twenty One Lakh Seventeen Thousand Three Hundred Eight Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	<p>etc complete including providing suitable concrete foundation including cost of cement , sand and metal etc complete the duty condition is as follows discharge - 3 lps, total head - 176m,Speed - 1 4 6 0 r p m , &lt;br&gt;(B). MOTOR:- supply , erection , testing and commissioning of Kirloskar reputed make horizontal solid shaft foot mounted TEFC squaral cage induction motor suitable for the above pump working 3 phase 50HZ AC supply , working voltage&lt;br&gt;4 15 V / 3300 V . The motor shall confirm to IE2/IE3 as per IS 12615-2018 including providing suitable concrete foundation including cost of cement, sand and metal etc complete. Flexible coupling shall be used for coupling of pumps a n d motors&lt;br&gt;(C).STARTER:- Supply ,erection, testing and commissioning of dry type copper wound auto transformer having 40,60,80% tapping mounded with powder coated 2 mm thick steel sheath dust and vermin proof floor mounted control cubical panel associated with in/out cable entry boxes for accommodating the following parameters for controlling functions of the the fully automatic auto transformer starter. suitable for above motor - L&amp;T or equivalent reputed co. make MNX 225 contactor unit -1 No L&amp;T or equivalent Co make MNX 95 contactor unit- 2 Nos Timer and supervisory trip relay 1 No OV/UV control relays Minilac or equivalent Co make single phasing</p>					

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	<p>preventer AVF digital meter 1 No and selector switch - 1 set ON/Off ,trip & 3 phase indication lamps, Digital or numerical motor protection relay Power Circuit wiring with 25 x 4mm PVC sleeve insulated copper bar and 2.5 sq.mm control wiring &lt;br&gt;(D).PANNEL BOARD :- Supply, erection,testing and commissioning of cubical type floor mounted MS fabricated dust and vermin proof common control panel board consisting of 1 No. suitable rating of 3 pole MCCB as incomer providing suitable size Aluminium bus bar inter connect the above MCCB and fitted with 3 Nos of indicator lamps, 1 No. volt meter with selector switch, 1 No. Ammeter with selector switch etc. complete and provided with duplicate earth point as per CEA regulation and code of practice. the panel shall be fitted on a common base frame on suitable foundation &lt;br&gt;(E).CABLING WORK:- Supply, laying, testing and commissioning of suitable size Aluminium conductor armoured cables for the above pump set from panel board to starter and suitable size cable through PVC pipe, flexible hose and accessories from starter to motor.considering energy conservation &lt;br&gt;(F). EARTHING:- Supply of all material and providing duplicate earthing by 25 x 3mm copper strip on wall /column/floor/buried (Appx. 20 mtrs) in ground and giving double earthing to motor,starter,panel board etc. and connect with existing earthbus. As per IE standards</p>					

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	<p>&lt;br&gt; (G).CAPACITOR:- Supply,erection,testing and commissioning suitable rating of of heavy duty APP capacitor for the above motor to get unity&lt;br&gt;power factor . The capacitor shall confirm to IS 2834</p> <p>&lt;br&gt; (H).VALVE:- Supply of suitable size best quality heavy duty ISI Marked CI double fanged sluice valve and Non return valve with suitable pressure rating.fitting of valves shall include proper RCC support especially for Non return valves. In case of positive suction pump set sluice valve should be in suction as well as delivery sides for easy repair works. Pressure gauge on both suction and delivery side</p> <p>&lt;br&gt;&lt;br&gt; (I). SUCTION AND DELIVERY PIPE CONNECTIONS:- Supply and fitting of suitable size best quality MS pipe of thickness not less than 8 mm for a total length of 8 m (approx). suitable for the above pump set and suitable size foot valve and connecting the suction pipe of size 200mm MS and valve with suitable flanges, nut and bolts IR sheet etc. complete and connecting the delivery side of the pump with 150mm MS pipe of thickness not less than 8 mm for a total length of 8 m (approx) , vales and suitable specials to connect with the pumping main</p>					
14.002	OD168051/2023-2024 - Approval from Electrical Inspectorate including preparation of drawings, obtaining approval for the drawings, arranging inspection of the installations	1.000	L.S	10693.00	10693.00	Rupees Ten Thousand Six Hundred Ninety Three Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	and obtaining safety certificate et; after completion of the works. The necessary statutory fees, if any, payable to the Electrical Inspectorate / KSEB will be paid by KWA. (Note : Scheme approval from the Electrical Inspectorate has to be obtained before supplying the equipments. Payment for the supply of materials will be released only on production of scheme approval) including Energization approval from inspectorate and approvals from KSEBL. - Actual rate = 10000.00/L.S For avoiding CPOH 16% = $0.84 * 10000 = 8400/L.S$					
15	Construction of pipe line bridge					
15.001	2.31 - 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	85.000	sqm	17.00	1445.00	Rupees One Thousand Four Hundred Forty Five Only
15.002	2.8.1 - Earth work in excavation by mechanical means (Hydraulic excavator) /manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.All kinds of soil	5.292	cum	340.00	1799.28	Rupees One Thousand Seven Hundred Ninety Nine And Twenty Eight paise Only
15.003	2.9.3 - Excavation work by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soils as directed, within a lead of 50 m.Hard rock (blasting	5.292	cum	1455.00	7699.86	Rupees Seven Thousand Six Hundred Ninety Nine And Eighty Six paise Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	prohibited)					
15.004	4.1.5 - 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 20 mm nominal size)	4.410	cum	8429.00	37171.89	Rupees Thirty Seven Thousand One Hundred Seventy One And Eighty Nine paise Only
15.005	OD182803/2023-2024 - Dowel Bar-Supplying and providing MS dowel bars of size 20mm dia. of 1m long. (0.5m in rock and 0.5m in concrete) including drilling holes of 20mm dia. and filling the gap with cement grout (100kg/hole) etc.	48.000	no	80.00	3840.00	Rupees Three Thousand Eight Hundred Forty Zero Only
15.006	5.1.2 - Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level:1:1:5:3 (1 cement 1.5 coarse sand :3 graded stone aggregate 20 mm nominal size)	6.786	cum	10394.00	70533.68	Rupees Seventy Zero Thousand Five Hundred Thirty Three And Sixty Eight paise Only
15.007	5.2.2 - 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)	14.205	cum	12532.00	178017.06	Rupees One Lakh Seventy Eight Thousand Zero Seventeen And Six paise Only
15.008	5.22.1 - Steel reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete upto plinth levelMild steel and Medium Tensile steel bars	2099.100	kg	110.00	230901.00	Rupees Two Lakh Thirty Zero Thousand Nine Hundred One Only
15.009	5.9.1 - Centering and shuttering including strutting, etc. and removal of form for:Foundations, footings, bases of columns, etc for mass concrete	15.120	sqm	384.00	5806.08	Rupees Five Thousand Eight Hundred Six And Eight paise Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
15.010	5.9.3 - Centering and shuttering including strutting, etc. and removal of form for:Suspended floors, roofs, landings, balconies and access platform	114.000	sqm	933.00	106362.00	Rupees One Lakh Six Thousand Three Hundred Sixty Two Only
15.011	13.7.1 - 12 mm cement plaster finished with a floating coat of neat cement of mix:1:3 (1 cement : 3 fine sand)	157.160	sqm	459.00	72136.44	Rupees Seventy Two Thousand One Hundred Thirty Six And Forty Four paise Only
15.012	10.26.3 - 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 approves steel primer.G.I. pipes	467.200	kg	213.00	99513.60	Rupees Ninety Nine Thousand Five Hundred Thirteen And Sixty Zero paise Only
15.013	100.52.S.1 - Sub Data for providing Earth filled cement bags including cutting of the Earth, filling, conveying and placing in position.	4800.000	each	107.00	513600.00	Rupees Five Lakh Thirteen Thousand Six Hundred Zero Only
15.014	100.52.S.3 - Sub Data for Supplying, conveying and covering using best quality polythene sheet on bund to protect bund from seasonal changes.	120.000	sqm	29.00	3480.00	Rupees Three Thousand Four Hundred Eighty Zero Only
15.015	100.52.S.5 - Sub Data for Dismantling the sand / earth filled cement bag from the foundation site of bund, apron on both sides, counter wall and removing the sand/earth from the bag and disposing the damaged cement bags properly as per the direction of the department officers including all cost of labour charges etc complete.	120.000	cum	503.00	60360.00	Rupees Sixty Zero Thousand Three Hundred Sixty Zero Only
15.016	100.7.1 - Bailing out water with 5HP engine and pump set including conveyance to the site, erecting, dismantling and taking back of engine and pump, cost of fuel lubricating oil and other stores pay of staff etc., complete.	10742.000	Kwh	42.00	451164.00	Rupees Four Lakh Fifty One Thousand One Hundred Sixty Four Only
15.017	13.48.3 - Finishing with Deluxe Multi surface paint system for interiors and exteriors using primer as per m a n u f a c t u r e r s specifications:Painting Steel work with Deluxe Multi	160.760	sqm	170.00	27329.20	Rupees Twenty Seven Thousand Three Hundred Twenty Nine And Twenty Zero paise Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @ 0.80 ltr/10 sqm of approved brand and manufacture					

The above work awarded to the contractor M S MEC ENGINEERS INDIA ,AAEFM6414A, at his quoted rate for individual items at a total accepted PAC 122066885(Twelve Crore Twenty Lakh Sixty Six Thousand Eight Hundred and Eighty Five Only) as per the condition of the contract.

