

GENERAL ABSTRACT

Flood damaged rectification works in connecting main of Infiltration Well No.4 in River palar at Karthuthampattu to Pavalathurai head works for CWSS to Chennankuppam and 26 other habitations in K.V.Kuppam union in Vellore district

| Sl. No. | Schedule No | Name of Components | BOQ Value in Rupees |
|---------|-------------|---|---------------------|
| 1 | A 1 | Flood damaged rectification works in connecting main of Infiltration Well No.4 in River palar at Karthuthampattu to Pavalathurai head works | 2011247.84 |
| 2 | A 2 | Maintenance of the scheme - Two months | 0.00 |
| | | Total | 2011247.84 |
| | | GST @18% | 362024.61 |
| | | Grand Total | 2373272.45 |

(Rupees Twenty Three Lakhs seventy three thousand two hundred seventy two and paise forty five only)

I/ WE AGREE TO EXECUTE ALL THE ABOVE COMPONENTS OF WORK AT

..... PERCENTAGE EXCESS / LESS OVER

THE DEPARTMENTAL VALUE MENTIONED ABOVE (THE PERCENTAGE SHOULD BE MENTIONED BOTH IN FIGURES AND WORDS)

SCHEDULE - A 1

Flood damaged rectification works in connecting main of Infiltration Well No.4 in River palar at Karthuthampattu to Pavalathurai head works for CWSS to Chennankuppam and 26 other habitations in K.V.Kuppam union in Vellore district

| Item No | Description of Work | Probable Quantity | | TNBP No. & Other Specification | Unit (Both in words and figures) | Rates in | | Amount in figures |
|---------|---|-------------------|------|--|----------------------------------|----------|--|-------------------|
| | | Qty | Unit | | | Figures | Words | |
| 1 | 2 | 3 | | 4 | 5 | 6 | 7 | 8 |
| I | Materials | | | | | | | |
| 1 | Supply and delivery of the following G I PIPES (MEDIUM) AS PER IS 1239/PART I/2004 and as amended from time to time with ISI marking suitable for water supply main including loading freight, transit, unloading and stacking them at stock yard etc. complete and as directed by TWAD Board Officers. | | | IS 1239/PART I/2004 and as amended from time to time | | | | |
| a | 100mm GI Pipe medium | 450 | M | | 1 M (One Metre) | 987.90 | Rupees Nine hundred eighty seven and Paise Ninety only | 444555.00 |
| 2 | Supply and delivery of the following of G.I. SPECIALS AS PER IS 1239/PART II and as amended from time to time with ISI marking including cost, loading, freight unloading and stacking at site etc. complete and as directed by the TWAD Board officers. | | | IS 1239/Part II and as amended from time to time | | | | |
| a | 100mm GI coupling | 75 | No | | 1No(One Number) | 586.00 | Rupees Five hundren eighty six only | 43950.00 |
| b | 100mm GI Elbow | 4 | No | | 1No(One Number) | 846.00 | Rupees Eight hundren Fourty six only | 3384.00 |
| 3 | Supply and delivery of following unplasticized pvc pipes for potable water supply as per Is 4985 /2000 conforming to IS specifications | | | IS 4985/2000 and as amended from time to time | | | | |
| a | 110mm PVC 4Ksc | 1000 | No | | 1No (One Number) | 158.50 | Rupees one hundred fifty eight and Paise fifty only | 158500.00 |

| Item No | Description of Work | Probable Quantity | | TNBP No. & Other Specification | Unit (Both in words and figures) | Rates in | | Amount in figures |
|-----------|--|-------------------|------|--|----------------------------------|----------|--|-------------------|
| | | Qty | Unit | | | Figures | Words | |
| 1 | 2 | 3 | | 4 | 5 | 6 | 7 | 8 |
| b | 110mm PVC 4KSC bend | 6 | Nos | | 1No (One Number) | 112.40 | Rupees One hundred twelve and Paise fifty only | 674.40 |
| c | 110mm PVC 4KSC coupler | 11 | Nos | | 1No (One Number) | 33.40 | Rupees Thirty three and paise forty only | 367.40 |
| d | 110 mm MTA | 9 | Nos | | 1No (One Number) | 86.10 | Rupees Eighty Six and paise ten only | 774.90 |
| 4 | Supply and delivery of 70 sq mm 3 core - I.t. Cables 3,3.5,4 core 1.1 kv grade armoured aluminium conductor cross linked poly ethylene insulated pvc sheathed cables conforming to is 7098 (part i)/1988 and as amended thereafter with ISI marking | 400 | M | | 1 M (One Metre) | 334.00 | Rupees Three hundred thirty four only | 133600.00 |
| II | CIVIL WORKS | | | | | | | |
| 1 | Earth work excavation deploying earth moving machineries for desilting channel having a width of 3m to 10m and forming bund on either side and depositing the earth on banks including jungle clearance etc., complete. | 3200.00 | Cum | SS No.20B, 23 and Special Specification. | 1 Cum (One cubic metre) | 30.35 | Rupees Thirty and paise thirty five only | 97120.00 |
| 2 | Earth work excavation and depositing on bank with initial lead of 10 m and lift of 2 M in narrow trenches having bed width 1.25m & below for laying of pipes for water supply and sewerage works in the Sand, silt or other loose soil, wet sand or silt not under water light black cotton soil, sandy loam and ordinary soil.SS20B of soils as directed by Departmental officers | | | SS No.20B, 23 and Special Specification. | | | | |
| a | 100mm GI (in sand) | 708.75 | Cum | | 1 Cum (One cubic metre) | 177.38 | Rupees One hundred seventy seven and Paise thirty eight only | 125718.08 |

| Item No | Description of Work | Probable Quantity | | TNBP No. & Other Specification | Unit (Both in words and figures) | Rates in | | Amount in figures |
|---------|---|-------------------|------|--------------------------------|----------------------------------|----------|---|-------------------|
| | | Qty | Unit | | | Figures | Words | |
| 1 | 2 | 3 | | 4 | 5 | 6 | 7 | 8 |
| b | 110mm PVC 4Ksc | 1000 | M | | 1 M (One Metre) | 167.35 | Rupees One hundred sixty seven and Paise thirty five only | 167350.00 |
| 3 | Cutting of GI pipes | | | Special specification | | | | |
| a | 100mm GI | 5 | Nos | | 1No (One Number) | 44.90 | Rupees Fourty four and paise ninety only | 224.50 |
| 4 | Threading of GI pipes | | | | | | | |
| a | 100mm GI | 10 | Nos | | 1No (One Number) | 90.60 | Rupees Ninety and paise sixty only | 906.00 |
| 5 | Lowering GI pipes and specials in the trenches and laying to proper grade and alignment, jointing with GI Specials and as directed by the TWAD Officers | | | | | | | |
| a | 100mm GI Pipe medium | 450 | M | | 1 m (One Metre) | 25.71 | Rupees Twenty five and paise seventy one only | 11569.50 |
| 6 | Lowering PVC rigid pipes and specials to trench and laying to proper grade and alignment, jointing with PVC couplers with cement paste. | | | | | | | |
| a | 110mm PVC 4Ksc | 1000 | M | | 1 m (One Metre) | 19.10 | Rupees Nineteen and paise ten only | 19100.00 |
| 7 | Refilling with excavated sand or other loose soil complying with standerd specification in layers of 15 cm thick well rammed and consolidated after pipes and specials are laid and tested. | | | SS 24,25 and Special Spn. | | | | |

| Item No | Description of Work | Probable Quantity | | TNBP No. & Other Specification | Unit (Both in words and figures) | Rates in | | Amount in figures |
|---------|--|-------------------|-------|--------------------------------|----------------------------------|----------|--|-------------------|
| | | Qty | Unit | | | Figures | Words | |
| 1 | 2 | 3 | | 4 | 5 | 6 | 7 | 8 |
| a | 100mm GI pipe (in sand) | 708.75 | Cum | | 1 Cum (One cubic metre) | 36.95 | Rupees Thirty six and paise ninety five only | 26188.31 |
| b | 110mm PVC 4Ksc | 1000 | M | | 1 m (One Metre) | 22.95 | Rupees Twenty two and paise ninety five only | 22950.00 |
| 8 | Testing of pipes for water supply with hydraulic testing equipment by filling with water (including cost of water) and testing to recommended pressure in convenient stretches and attending the bursts if any occurred during the test, excluding the cost of pipes but including other incidental and operational charges etc., complete for the following diametres of pipes. | | | | | | | |
| a | 100mm GI pipe (in sand) | 450.00 | M | | 1 m (One Metre) | 65.00 | Rupees Sixty five only | 29250.00 |
| b | 110mm PVC 4Ksc | 1000 | M | | 1 m (One Metre) | 65.00 | Rupees Sixty five only | 65000.00 |
| 9 | Cable laying under earth | 400 | M | | 1 m (One Metre) | 165.00 | Rupees One hundred sixty five only | 66000.00 |
| 10 | Jointing the cable -70sqmm | 2 | Joint | | 1 Joint (On Joint) | 330.00 | Rupees Three hundred Thirty only | 660.00 |

| Item No | Description of Work | Probable Quantity | | TNBP No. & Other Specification | Unit (Both in words and figures) | Rates in | | Amount in figures |
|------------|---|-------------------|------|--------------------------------|----------------------------------|----------|---|-------------------|
| | | Qty | Unit | | | Figures | Words | |
| 1 | 2 | 3 | | 4 | 5 | 6 | 7 | 8 |
| III | Anchorage arrangements for IW no.4 crossing the river (450/6=75) | | | | | | | |
| 1 | Supply and delivery of the following size of unplasticised PVC rigids pipes for potable water supply with ISI marking with necessary couplers (or) bell ended pipes as speified in ISI the requiredquantity of solvent cement and having the following working pressure. The cost of pipes should include loading, freight, transit, insurance, incidental charges, packing and unloading, stacking at site in good condition etc., complete and as directed by TWAD Board Officers. The test weight of pipe and hydraulic pressure should be carried out before use in work. | | | | | | | |
| a | 110mm PVC 4Ksc pipe | 450 | M | | 1 m (One Metre) | 158.50 | Rupees One hundred fifty eight and Paise fifty only | 71325.00 |
| 2 | Drilling of borewells of size 4" to 5" dia. in sedimentary formation using hand boreset including insertion of casing pipe etc., and supplying and packing of pebbles (Conveyance of hand bore set including loading and unloading to be done by the contractor) | 450 | M | | 1 m (One Metre) | 939.40 | Rupees Nine hundred thirty nine and Paise fourty only | 422730.00 |
| 3 | Filling with river sand in the PVC pipe for anchoring arrangement | | | | | | | |
| a | 110mm PVC 4Ksc pipe | 2.25 | Cum | | 1 Cum (One cubic metre) | 993.34 | Rupees Nine hundred ninety three and Paise thirty four only | 2235.02 |
| 4 | Supply and fabrication of steel rods for reinforcement including cost of steel rods, binding wire, cutting, bending, tying and placing in position etc., complete and as directed by TWAD Board Officers. | | | As per relevant specification | | | | |

| Item No | Description of Work | Probable Quantity | | TNBP No. & Other Specification | Unit (Both in words and figures) | Rates in | | Amount in figures |
|---------|---|-------------------|-------|--------------------------------|----------------------------------|----------|--|-------------------|
| | | Qty | Unit | | | Figures | Words | |
| 1 | 2 | 3 | | 4 | 5 | 6 | 7 | 8 |
| a | For 12mm RTS rod | 5.25 | Qtl | | 1 Quintal (One Quintal) | 8729.85 | Rupees Eight thousand seven hundred twenty nine and Paise eighty five only | 45831.71 |
| 5 | PCC 1:2:4 (one cement two sand 4 HBS jelly) including mixing, placing concreteing and curing etc., complete and as directed by TWAD Board Officers. | | | | | | | |
| a | 110mm PVC 4Ksc pipe | 2.25 | Cum | | 1 Cum (One cubic metre) | 5944.19 | Rupees Five thousand nine hundred fourty four and Paise nineteen only | 13374.43 |
| 1 | Hire charges for deploying earth moving machinery (Poclain)for earthwork, traceout the pipes for searching the dislocated pipes during the flood, collection and convayance to work spot, including fuel, oil and labour charges etc., complete and as directed by TWAD Board officers. | 16 | Hours | Special specification. | 1 Hour (One Hour) | 2050.00 | Rupees Two thousand fifty only | 32800.00 |
| 2 | Dewatering using 5HP diesel engine pumpset including Hire charges, cost of Diesel, Engine oil, pump operator, labour charges, conveyance of pumpset and fuel to site and back, loading, unloading and any other incidental charges etc., complete. | 16 | Hours | Special specification. | 1 Hour (One Hour) | 319.35 | Rupees Three hundred Nineteen and Paise thirty five only | 5109.60 |
| | | | | | | | TOTAL | 2011247.84 |

SCHEDULE- A3

Flood damaged rectification works in connecting main of Infiltration Well No.4 in River palar at Karthuthampattu to Pavalathurai head works for CWSS to Chennankuppam and 26 other habitations in K.V.Kuppam union in Vellore district

MAINTENANCE OF THE SCHEME

| Item No | Description of work | Probable Quantity | | TNBP No. Other specification | Unit (Both in words and figures) | Rates in | | Amount in figures |
|---------|---|-------------------|--------|------------------------------|----------------------------------|----------|------------------|-------------------|
| | | | | | | Figures | Words | |
| 1 | 2 | 3 | | 4 | 5 | 6 | 7 | 8 |
| 1 | Maintenance of the project for the specified period by necessary maintenance crew with supervisory staff and keeping necessary specials required for Pumping main /Connecting main/Pump room / Pumpsets etc. readily available to ensure uninterrupted water supply to the beneficiary including all cost towards spares, consumables, chemicals, repairs and renewal excluding cost of electrical energy payable to TNEB during maintenance period which can be got reimbursed by the Employer etc complete as directed by TWAD Board officers | 2 | Months | Special Specification. | 1Month (One month) | 0.00 | Rupees Nil Only. | 0.00 |
| | Total | | | | | | Rs. | 0.00 |