

Name of Work : Shifting of the existing 900mm dia DI with 900 mm dia DI, 600 mm dia CI with 600 mm dia DI, 450 MM DIA CI with 450 mm dia DI, sewage pumping main and 250 mm dia SWP and 300 mm dia DI gravity mains for the construction of Proposed grade separator at GNT Road (Moolakadai junction) in Area – 1

Contract No. : CNT/SEW/DEP/1998/2010-11

CHECK LIST FOR THE GUIDANCE OF THE CONTRACTOR

I	The Tender schedule for the above work consists of 28 pages as detailed below:	
	(i)	Checklist for the guidance of the Contractors Page – 1 to 3
	(ii)	Notice Inviting Tender Page - 4
	(iii)	Letter of Tender 2 pages Page - 5 & 6
	(iv)	Work schedule containing details of Work Page – 7 to 26
	(v)	Milestone Page – 27
	(vi)	Drawings Page – 28
II	1	The total number of items in the work schedule – 73 Nos.
	2.	Tenderers are requested to sign all pages in the tender schedule and must sign letter of tender. Tenders which do not have the Signature of the Tenderer in letter of tender will be rejected.
	3.	Technical specification of the equipment offered by the Bidders if any, and any other information related to the bid may be enclosed along with Tender Schedule after duly Signing in all the pages.
	4.	Bidders are requested to verify the number of pages in the work schedule and number of items in the work schedule. Any clarification and further information required may be obtained from the Office of the Contracts and Monitoring wing on any working day.
	5.	The present tender document contains work schedule only. The tenderers are requested to quote the rate for each item of work both in words and figures and fill up the amount column. If there is any discrepancy between words and figures, the lower among the words and figures will be taken into account. If there is a discrepancy between the amount quoted for an item and the line item total, resulting from multiplying the unit rate by quantity, the unit rate as quoted will govern.
	6.	<u>Eligibility :</u> Contractors registered in Metro water in Class-I A i.e. those who are eligible to take up the work costing more than Rs.75.00 lakh are eligible to tender for this work. Contractors registered in other departments and undertakings of the Central or State Government in the corresponding class for taking up such work, who have executed similar works of the same or higher magnitude are also eligible to tender for this work. Contractors not Registered in the Board and who intend to participate in the tender, subject to their eligibility as above are requested to obtain a copy of the Standard tender document from the Office of the Contracts wing before submitting their Tender. They should furnish Proof for their registration in the appropriate class and experience as indicated above while submitting their tenders, otherwise their tenders will be treated as

Signature of Tenderer

Name of Work : Shifting of the existing 900mm dia DI with 900 mm dia DI, 600 mm dia CI with 600 mm dia DI, 450 MM DIA CI with 450 mm dia DI, sewage pumping main and 250 mm dia SWP and 300 mm dia DI gravity mains for the construction of Proposed grade separator at GNT Road (Moolakadai junction) in Area – 1

Contract No. : CNT/SEW/DEP/1998/2010-11

		non responsive. The tender received from ineligible contractors will be treated as non responsive. However the successful tenderer will have to get himself registered in the Board in the appropriate class.
7.		EMD shall be in the form of Demand Draft or Banker's Cheque or Pay Order drawn from Nationalised / Scheduled Bank / TNSC Bank in favour of CMWSS Board.
8.		<u>SECURITY DEPOSIT</u> Security deposit will be collected from the successful Tenderer in the following form and manner within 14 days from the date of receipt of work order: Form in which S.D. collected. a) In the shape of NSC/NSS/KVP/Post office Time Deposits valid for the required contract period and pledged in favour of Managing Director, CMWSS Board and shall have the necessary transfer endorsement of the Post Office. (OR) Fixed Deposit for the required period from nationalized/schedule Bank/TNSC Bank in favour of Managing Director, CMWSS Board. (OR) Certified cheque/Bank Draft in favour of Managing Director, CMWSS Board payable at Chennai.
	b)	The value of S.D will be as follows:
	i)	for tenders with any plus percentage and upto (-)5% over departmental value – 2% of the contract value.
	ii)	for tenders between (-)5% to (-)15% over departmental value --- 4% of the contract value.
	iii)	for tenders, above (-)15% over departmental value --- 5% of the contract value.
9.		Milestone details for completion of works and details of penalty for the non completion of work are furnished in the Milestone at Page No.27 . Tenderers are requested to take note of the details. The above details will be incorporated in the contract documents while executing agreement.
10		All duties, taxes such as VAT, Sales Tax and Service Tax etc. and other levies payable by the contractor under the contract or for any other cause shall be included in the rates, prices and total quoted rates submitted by the bidder. Any statutory variations in duties/taxes, which takes effect from a date subsequent to the due date for receipt of tender, shall be to CMWSS Board's Account.
11.		<u>Tender Validity</u> Tenders shall remain valid for a period of not less than ninety days (90 days) after the deadline date for bid submission. A tender valid for a shorter period shall be rejected by the Employer as non-responsive.
12.		No cheque will be accepted towards Earnest Money Deposit.

Signature of Tenderer

Name of Work : Shifting of the existing 900mm dia DI with 900 mm dia DI, 600 mm dia CI with 600 mm dia DI, 450 MM DIA CI with 450 mm dia DI, sewage pumping main and 250 mm dia SWP and 300 mm dia DI gravity mains for the construction of Proposed grade separator at GNT Road (Moolakadai junction) in Area – 1

Contract No. : CNT/SEW/DEP/1998/2010-11

13.	Tenders with conditions are liable for rejection.
14.	All entries should be made legibly in ink. Writing the percentage in figures and words first in pencil and later over writing in ink should be avoided and also over writing the corrections should also be avoided.
15.	Correction if any should be made by neatly score out the unwanted matter and rewriting legibly. Every such correction should be attested by the full signature of the tenderer.
16.	The defects liability period in respect of original civil works and pipe laying works is 5 years

Signature of Tenderer

Name of Work : Shifting of the existing 900mm dia DI with 900 mm dia DI, 600 mm dia CI with 600 mm dia DI, 450 MM DIA CI with 450 mm dia DI, sewage pumping main and 250 mm dia SWP and 300 mm dia DI gravity mains for the construction of Proposed grade separator at GNT Road (Moolakadai junction) in Area – 1

Contract No. : CNT/SEW/DEP/1998/2010-11

CHENNAI METROPOLITAN WATER SUPPLY AND SEWERAGE BOARD
NO.1, PUMPING STATION ROAD,CHINTADRI PET, CHENNAI-600 002.

NOTICE INVITING TENDER

Sealed Bids are invited from the eligible bidders for the following work.

Sl. No	Name of Work and Contract No.	Due Date	Approximate value of Tender Rs/ Lakh	E.M.D. in Rs.	Tender schedule available From - To	Eligibility	Contract Period
1	Shifting of the existing 900mm dia DI with 900 mm dia DI, 600 mm dia CI with 600 mm dia DI, 450 MM DIA CI with 450 mm dia DI, sewage pumping main and 250 mm dia SWP and 300 mm dia DI gravity mains for the construction of Proposed grade separator at GNT Road (Moolakadai junction) in Area – 1 CNT/SEW/DEP1998/2010-11	26.05.2010	129.10	74,550/-	11.05.2010 to 25.05.2010	Class IA	180 days
2.i	Availability of Bid Document In person	Information & Facilitation Officer, CMWSS Board, No. 1 Pumping Station Road, Chintadripet, Chennai-600002, (Telephone: 044-28451300, Extn. 227)					
2.ii	Through Website	www.chennaietrowater.tn.nic.in & www.tenders.tn.gov.in					
3	Cost of Bid Document	Free					
4	Address for information and clarifications and for receipt of tenders	Office of Superintending Engineer, Contracts & Monitoring, 4 th Floor, CMWSS Board, Chennai – 600 002 Phone No. 044-2845 1300 Extn. 253 FAX : 044-2845 8181					

SUPERINTENDING ENGINEER
(CONTRACTS & MONITORING)

Signature of Tenderer

Name of Work : Shifting of the existing 900mm dia DI with 900 mm dia DI, 600 mm dia CI with 600 mm dia DI, 450 MM DIA CI with 450 mm dia DI, sewage pumping main and 250 mm dia SWP and 300 mm dia DI gravity mains for the construction of Proposed grade separator at GNT Road (Moolakadai junction) in Area – 1

Contract No. : CNT/SEW/DEP/1998/2010-11

LETTER OF TENDER

To be delivered to the Superintending Engineer, C&M Chennai Metropolitan Water Supply and Sewerage Board at or before 3.00 P.M. on **26.05.2010**.

To
The Managing Director
Chennai Metropolitan Water Supply & Sewerage Board
Chennai- 600 002
Sir,

I/We the undersigned do hereby tender and undertake to perform, provide and execute all the works, materials matters and things described or mentioned in the Schedule (Bill of quantities) hereto annexed and the specifications thereto and drawings therein referred to (which have been produced to and carefully examined by me/us) in strict accordance with and under and subject to the terms, provisions and conditions set forth or mentioned in the said Schedule (Bills of Quantities) specifications and the drawings therein referred to, at the rates given and as stated in the Bills of quantities.

I/We herewith enclose D.D/B.C./P.O No..... datedfor having remitted Rs..... into the Board's Cash Section as a guarantee for the due fulfillment of my/our tender, and if successful, undertake and agree to forward to the Board within fourteen days after the notification of the acceptance by the Board of this tender has been received by me/us, the sum as demanded in the Form and manner required as security for the due fulfillment of my/our contract.

I/we undertake and agree that I/We will not withdraw this tender during the period that will be required for intimation, acceptance or non/acceptance as stipulated in clause 15 on the Notice Inviting Tender or during such extended period as agreed to by me/us, such period to date from the last date by which tenders are due to be submitted to the Board and if I/We do so withdraw, I/We shall forfeit the Earnest Money Deposit to the Board.

I/We further undertake to produce the Income-tax Clearance Certificate and the certificate and the Sales Tax Verification Certificate from the Commercial Tax Department of this State and agree to execute at my/our cost the agreement attached and to sign the plans therein referred to within 14 days after the notification of the acceptance of my/our tender has been received by me/us. In the event of my/our failing to make the Security Deposit or to execute the agreement in the said manner and sign the plans within the time specified for the purpose, the sum of **Rs.74,550/-** accompanying this tender shall be forfeited to the Board and this concluded contract shall in such case be considered, as having been cancelled or terminated and you may thereupon at such time or times, in such manner and on such terms as you may think fit, arrange either departmentally or by any other person or persons to carry out the works and provide, execute and do all works, materials, matters and things described or mentioned herein and I/We agree to be liable irrespective of the forfeiture aforesaid for all

Signature of Tenderer

Name of Work : Shifting of the existing 900mm dia DI with 900 mm dia DI, 600 mm dia CI with 600 mm dia DI, 450 MM DIA CI with 450 mm dia DI, sewage pumping main and 250 mm dia SWP and 300 mm dia DI gravity mains for the construction of Proposed grade separator at GNT Road (Moolakadai junction) in Area – 1

Contract No. : CNT/SEW/DEP/1998/2010-11

damages, losses, costs, charges and expenses arising from or by reason of such failure and arrangements.

I/We undertake to assume full responsibility for the stability and soundness of the Works/structures that will be executed by me/us as per this contract.

I/We also undertake to do all extra or varied works which may be ordered as part of this contract upon the terms provided for in the conditions and specifications. The tenders shall be valid for a period of 90 days from the last date fixed for receipt of tenders. In case my/our tender for the work of **“Shifting of the existing 900mm dia DI with 900 mm dia DI, 600 mm dia CI with 600 mm dia DI, 450 MM DIA CI with 450 mm dia DI, sewage pumping main and 250 mm dia SWP and 300 mm dia DI gravity mains for the construction of Proposed grade separator at GNT Road (Moolakadai junction) in Area – 1”** is accepted, I/We agree and guarantee to commence the said works within a period of seven days from the date and complete the entire work within the stipulated period of **180 days** from the date on which the work order received by me/us. I/We also agree that time is the essence of contract. I/We have actually inspected the site of works and have tendered for the works after such inspection.

UNDERTAKING

I/We have gone through the copy of standard tender document received from the Office of the Contracts and Monitoring wing and abide by the same for this contract also.

As witness my/our hand this.....day of.....2010.

Signature.....

Name and
address:

Signature of Tenderer

ABSTRACT

Name of Work : Shifting of the existing 900mm dia DI with 900 mm dia DI, 600 mm dia CI with 600 mm dia DI, 450 MM DIA CI with 450 mm dia DI, sewage pumping main and 250 mm dia SWP and 300 mm dia DI gravity mains for the construction of Proposed grade separator at GNT Road (Moolakadai junction) in Area - 1

Contract No :CNT/SEW/DEP/1998/2010-2011

SI.No.	Description	Amount in Rs.
1	BILL - I - Shifting of 250 mm SWP & 300 mm DI main	
2	BILL - II - 450 mm CI Sewerage pumping main with 450 mm DI main	
3	Bill- III -Shifting of 600mm CI Sewer Pumping main with 600 mm DI main	
4	BILL - IV - Shifting of 900 mm DI sewer Pumping main	
	TOTAL	

Signature of the Tenderer

Work Schedule

Name of Work : Shifting of the existing 900mm dia DI with 900 mm dia DI, 600 mm dia CI with 600 mm dia DI, 450 MM DIA CI with 450 mm dia DI, sewage pumping main and 250 mm dia SWP and 300 mm dia DI gravity mains for the construction of Proposed grade separator at GNT Road (Moolakadai junction) in Area - 1

Contract No :CNT/SEW/DEP/1998/2010-2011

Sl. No.	Description of work	No. or Qty.	Unit	Per	Rate in Rupees		Amount
					in Figures	in Words	
	BILL - I - Shifting of 250 mm SWP & 300 mm DI main						
A	Supply & LABOUR CHARGES						
1	Cutting asphaltic Road and concrete road by using tractor mounted compressor machine including operators, fuel etc	310	Sq.m	Sq.m			
2	Supplying and conveying to the site 250 mm stone ware pipe to the site including transportation tax and duty (Central & State) loading unloading stacking etc. complete as per standard specification including all the tests required as per IS 651-1980 including Laying, jointing,testing SW pipe with cement joint, testing of SW Pipes including earth work excavation for trenches in hard stiff clay stiff black cotton hard red earth, shales, murams, gravel staney with and cement mixed with small size boulders and hard gravelly soil, depositing the earth on bank with initial lead of 10 and lowering into the trenches and alinging, refilling the trenches with execavted soil, watering ramming to consolidation etc complete including the cost of cement and sand including back filling of trenches labour only						

Signature of the tenderer

Contract No :CNT/SEW/DEP/1998/2010-2011

Sl. No.	Description of work	No. or Qty.	Unit	Per	Rate in Rupees		Amount
					in Figures	in Words	
i.	250 mm dia SWP at 1.50 m depth	90	m	m			
ii	250 mm dia SWP at 2.00 m depth	110	m	m			
3	Supplying and conveying to the site of size 300 mm dia DI pipe of Class K-9 conforming to IS 8329-2000 or its latest revision, loading, unloading and transporting including rubber gasket with relevant IS specification charges etc., complete including Laying, jointing, testing of DI pipes including earth work excavation for trenches in hard stiff clay stiff black cotton hard red earth, shales, murams, gravel stoney with and cement mixed with small size boulders and hard gravelly soil, depositing the earth on bank with initial lead of 10 and lowering into the trenches and aligning, refilling the trenches with excavated soil, watering ramming to consolidation, disposal of earth etc complete including the cost of timbering						
i	300 mm dia DI at 3.0 m depth	100	m	m			
ii	300 mm dia DI at 3.5 m depth	150	m	m			
iii	300 mm dia DI at 4.0 m depth	60	m	m			

Signature of the tenderer

Contract No :CNT/SEW/DEP/1998/2010-2011

Sl. No.	Description of work	No. or Qty.	Unit	Per	Rate in Rupees		Amount
					in Figures	in Words	
4	Barricade work along both side of the Trenches for laying the pipe line with casurina post at 1.52 m c/c (8 to 10 cm dia and 1.52 m height) verticals, painting the vertical posts in different colours, tying with coir rope, fixing danger flags, danger lights, reflectors including watching during night etc. complete	1020	m	m			
5	Construction of Man holes at various depths to invert including earth work excavation as per SS 20B laying cement concrete in CM 1:3:6 using 40mm B.G jelly for foundation, sinking well kerb below G.L for 4.5m depth and above, pumping, timbering charges for 2.5 m depth and above, stock brick work in C.M 1:3, for 23 cm thick wall and over 23 cm thick wall, plastering interior with CM 1:3, 20 mm thick and exterior with CM 1:3, 12mm thick, laying plain cement concrete 1:3:6 using 12.0mm to 20 mm B.G jelly fixing frame,providing CI steps, manhole cover and frame, benching and channelling including refilling the trench with excavated earth and disposal of surplus earth etc complete as per type design.						

Signature of the tenderer

Contract No :CNT/SEW/DEP/1998/2010-2011

Sl. No.	Description of work	No. or Qty.	Unit	Per	Rate in Rupees		Amount
					in Figures	in Words	
i	1.50 m deep	4	Nos.				
				Each			
ii	2.0 m deep	4	Nos				
				Each			
iii	3.0 m deep	4	Nos.				
				Each			
iv	3.50 m deep	5	Nos.				
				Each			
v	4.0 m deep	1	Nos.				
				Each			
6	Supplying and fixing CI steps etc., complete.	136	Nos.				
				Each			
7	Supplying and conveying to the site of 300 mm diameters of Rubber gaskets (EPDM) conforming to IS 5382-1985 or its latest revision with ISI mark, loading, unloading and transporting charges etc., complete. including Making Rubber joint for 300mm DI pipes	57	Nos.				
				Each			

Signature of the tenderer

Contract No :CNT/SEW/DEP/1998/2010-2011

Sl. No.	Description of work	No. or Qty.	Unit	Per	Rate in Rupees		Amount
					in Figures	in Words	
8	End Concrete in CC 1:3:6 with 40 mm gauge hard broken jelly for plain cement concrete works including laying, compacting, curing etc., complete. for 250 mm SWP & 300 mm DI pipe	7.0	cu.m	cu.m			
9	Supplying ,laying jointing and testing 100mm dia. SW pipe including earthwork excavation for trenches in hard stiff clay, stiff black, hard red earth,shales, murams, gravel,stone earth and earth mixed with small size boulders and hard gravelly soil, depositing the earth on banks with initial lead of 10 m lowering the pipes in to trenches, aligning,refilling the trenches with excavated earth in layers of more than 23 Cm thick watering, ramming to consolidation and disposal of surplus earth etc. complete at an average depth of 2.0m	150	m	m			
10	Supplying of spunyan including jointing the pipe line.	62	Kg	Kg			
11	Supplying fixing FRC Man hole door & frames of size of 60cm or 24 inches	18	Nos.	Each			
	TOTAL						

Signature of the tenderer

Work Schedule

Name of Work : Shifting of the existing 900mm dia DI with 900 mm dia DI, 600 mm dia CI with 600 mm dia DI, 450 MM DIA CI with 450 mm dia DI, sewage pumping main and 250 mm dia SWP and 300 mm dia DI gravity mains for the construction of Proposed grade separator at GNT Road (Moolakadai junction) in Area - 1

Contract No :CNT/SEW/DEP/1998/2010-2011

Sl. No.	Description of work	No. or Qty.	Unit	Per	Rate in Rupees		Amount
					in Figures	in Words	
	BILL - II - 450 mm CI Sewerage pumping main with 450 mm DI main						
A	LABOUR CHARGES						
1	Making trial pits for locating the existing alignment including cutting road, excavation and refilling etc., complete.	4	Nos.	Each			
2	Cutting asphaltic Road and concrete road by using tractor mounted compressor machine including operators, fuel etc complete	60	Hr	Hr			
3	Supplying and conveying to the site of size 450 mm dia DI pipe of Class K-9 conforming to IS 8329-2000 or its latest revision, loading, unloading and transporting charges etc., complete.including Laying, jointing of DI pipesof size 450 mm dia. from the site of stacking to the site of construction including open cut earth work excavation for trenches in hard stiff clay stiff black cotton hard red earth, shales, murams, gravel staney with and cement mixed with small size boulders and hard gravelly soil, depositing the earth on bank with initial lead of 10 and pumping sub-soil water ,lowering the pipes in to the trenches, aigning and refilling the trenches with excavated earth, watering, ramming to consolidation etc complete.						

Signature of the tenderer

Sl. No.	Description of work	No. or Qty.	Unit	Per	Rate in Rupees		Amount
					in Figures	in Words	
i	450 mm dia DI pipe - Average depth of 1.50 m	60.00	m	m			
ii	450 mm dia DI pipe - Average depth of 1.75 m	20.00	m	m			
iii	450 mm dia DI pipe - Average depth of 2.0 m	20.00	m	m			
4	Barrication work along both side of the Trenches for laying the pipe line with casurina post at 1.52 m c/c (8 to 10 cm dia and 1.52 m height) verticals, painting the vertical posts in different colours, tieing with coir rope, fixing danger flags, danger lights, reflectors including watching during night etc. complete	200.00	m	m			
5	Cutting 450 mm dia DI pipe	8	Nos.	Each			
6	Supplying and conveying to the site of 450 mm diameters of DI specials of such as Tees, Tapers, Bends, Branches, Tailpieces and collars etc., conforming to IS 9523-2000 or its latest revision, loading, unloading and transporting charges etc. Including fixing DI.Specials like Tee branches, bends and tapers including earth work excavation and refilling at any depth.						
i	450 mm dia 45 degree bend with double socket ends	4	Nos.	Each			

Signature of the tenderer

Sl. No.	Description of work	No. or Qty.	Unit	Per	Rate in Rupees		Amount
					in Figures	in Words	
ii	450 mm dia 22 1/2 degree bend double socket ends	2	Nos.	Each			
iii	450 mm dia DI MJ collar	6	Nos.	Each			
7	Supplying and conveying to the site size of 450 mm diameters of Rubber gaskets (EPDM) conforming to IS 5382-1985 or its latest revision with ISI mark, loading, unloading and transporting charges etc., complete.including rubber joint.	46	Nos.	Each			
8	Interconnection work to the existing main including cutting the existing main fixing branches, collars, jointing, baling out of water and including earth work excavation and refilling etc. complete. Existing 450 mm dia DI water main and interconnection.	2	Nos.	Each			
9	Providing thrust blocks using CC 1:3:6, 40 mm hard broken stone jelly for PCC works for 450 mm dia.pipe @ 2.0 m deep.						
i	450 mm dia DI 45 degree bend	4	Nos.	Each			
ii	450 mm dia DI 22 1/2 degree bend	2	Nos.	Each			

Signature of the tenderer

Contract No :CNT/SEW/DEP/1998/2010-2011

Sl. No.	Description of work	No. or Qty.	Unit	Per	Rate in Rupees		Amount
					in Figures	in Words	
10	Testing of DI. pipes with hydraulic testing equipment by filling with water and testing to recommended pressure in convenient stretches and attending the bursts if any occurred during the test ,excluding the cost of pipes including other incidental and operational charges etc., complete for the 450 mm DI.pipes	100	m	m			
11	Lifting and returning to stores of 450 mm dia. Pipe	6	m	m			
12	Disposal of surplus earth etc. complete.	16	Cu.m	Cu.m			
	TOTAL						

Signature of the tenderer

Work Schedule

Name of Work : Shifting of the existing 900mm dia DI with 900 mm dia DI, 600 mm dia CI with 600 mm dia DI, 450 MM DIA CI with 450 mm dia DI, sewage pumping main and 250 mm dia SWP and 300 mm dia DI gravity mains for the construction of Proposed grade separator at GNT Road (Moolakadai junction) in Area - 1

Contract No :CNT/SEW/DEP/1998/2010-2011

Sl. No.	Description of work	Qty or No	Rate	Per	Rate in Rupees		Amount
					in Figures	in Words	
Bill- III -SHIFTING OF 600mm CI SEWER PUMPING MAIN WITH 600 MM DI MAIN							
A	LABOUR CHARGES						
1	Making trial pits for locating the existing alignment including cutting , excavation and refilling etc., complete.(Data)	6	No	Each			
2	Cutting asphaltic Road and concrete road by using tractor mounted compressor machine including operators, fuel etc complete.(Maket rate)	210	Hr	Hr			
3	Supplying and conveying to the site of size 600mm dia DI pipe of Class K-9 conforming to IS 8329-2000 or its latest revision, loading, unloading and transporting charges etc., complete including,Laying, jointing of DI pipes of size 600 mm dia. from the site of stacking to the site of construction including open cut earth work excavation for trenches in hard stiff clay stiff black cotton hard red earth, shales, murams, gravel staney with and cement mixed with small size boulders and hard gravelly soil, depositing the earth on bank with initial lead of 10 and, pumping sub-soil water ,lowering the pipes in to the trenches, aigning and refilling the trenches with excavated earth, watering, ramming to consolidation and disposing the surplus earth etc. complete for 1.0 m etc. complete.						

Signature of the tenderer

Contract No :CNT/SEW/DEP/1998/2010-2011

Sl. No.	Description of work	Qty or No	Rate	Per	Rate in Rupees		Amount
					in Figures	in Words	
i	600 mm dia DI pipe - Average depth of 2.00 m	190.00	m	m			
ii	600 mm dia DI pipe - Average depth of 2.50 m	160.00	m	m			
4	Barrication work along one side of the Trenches for laying the pipe line with casurina post at 1.52 m c/c (8 to 10 cm dia and 1.52 m height) verticals, painting the vertical posts in different colours, tying with coir rope, fixing danger flags, danger lights, reflectors including watching during night etc. complete	350.00	m	m			
5	Cutting 600mm dia DI pipe	10	Nos.	Each			
6	Supplying and conveying to the site of 600 mm dia DI pipe of Class K-9 confirming to IS 9523-2000 or its latest revision, loading, unloading and transporting charges etc., complete. including fixing DI.Specials like Tee branches, bends and tapers including earth work excavation and refilling at any depth.						
i	600 mm dia 45 degree bend with double socket ends	2	No	Each			
ii	600 mm dia 22 1/2 degree bend double socket ends	2	No	Each			
iii	600mm dia DI MJ collar	6	Nos.	Each			

Signature of the tenderer

Sl. No.	Description of work	Qty or No	Rate	Per	Rate in Rupees		Amount
					in Figures	in Words	
7	Supplying and conveying to the site 600 mm diameters of Rubber gaskets (EPDM) confirming to IS 5382-1985 or its latest revision with ISI mark, loading, unloading and transporting charges etc., complete. Including making rubber joint charges.	84	Nos.	Each			
8	Supplying and conveying to the site or to CMWSSB stores M.S. specials as per IS 3589 - 2001 fabricated with 10 mm thick M.S. plates including cutting the plates, fabrication charges, machining the pipe ends, radiography, bending, drilling the holes, welding, for inside lining of two coats of High build coal tar epoxy finish paint over one coat of inorganic zinc silicate primer/epoxy coating specials and for outside providing cement lining of thick 25 mm thick including cost of ruber packing, bolts, nuts and o ringsetc. for laying specials above ground level and and gunneting the cement mortor 1:3 thick 50mm under a pressure of 2.1 to 2.8 kg / cm2 in layer of 10mm thickness over the reinforcement of welded with 5mm wire mesh placed in position of size 150mm x 150mm including providing form work over the pipe for laying below ground level incuding all the duty and taxes (central and local) Railway frieght, insurance, unloading from railway wagan loading into trucks, transportation to site, unloading, stacking etc.,						
	complete as per specification including all the tests required as per IS specification						

Contract No :CNT/SEW/DEP/1998/2010-2011

Sl. No.	Description of work	Qty or No	Rate	Per	Rate in Rupees		Amount
					in Figures	in Words	
	A) 45 degree M.S bend with 10mm thick plate of length 1.5 m (Centre) dia. 650 mm inner & outer 670 mm dia.	977	Kg	Kg			
	B) M.S specials without inside lining out side coating M.S flange with 25 mm thick and 60 mm width.	432	Kg	Kg			
9	Interconnection work to the existing main including cutting the existing main fixing branches, collars, jointing, baling out of water,engaging crane for lifting and aligning, labour for timbering and including earth work excavation and refilling etc. complete.with existing 600mm dia DI Sewage pumping main	2	nos	Each			
10	Providing thrust blocks and construction of Thrust Blocks using Cement Concrete 1:3:6, 40mm B.G.jelly for plain Cement Concrete including earthwork excavation, necessary reinforcement, formwork etc complete for Boards standard type design. 2.00 m depth for 600 mm dia.pipe						
i	600mm dia DI 45 degree bend @ 2.0 m deep	6	No	Each			
ii	600mm dia DI 22 1/2 degree bend @ 2.0 m deep	2	No	Each			

Signature of the tenderer

Sl. No.	Description of work	Qty or No	Rate	Per	Rate in Rupees		Amount
					in Figures	in Words	
11	Testing of DI. pipes 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 including other incidental and operational charges etc., complete for the 600 mm DI.pipes	350	m	m			
12	Supplying and conveying to the site of size 700 mm dia DI pipe of Class K-9 conforming to IS 8329-2000 or its latest revision, loading, unloading and transporting charges etc., complete. including laying, jointing fixing DI.pipe of 700 mm dia. Pipe for including earth work excavation and refilling at any depth for covering pipe at 2.50 m depth.	5.5	m	m			
13	Provision for encasing the M.S specials --CC 1:2:4 using 12 to 20 mm gauge hard broken stona jelly for plain cement concrete works including laying in position, compacting, curing, finishing etc., complete	6.0	Cu.m	Cu.m			
14	Lifting and returning to stores of 600 mm dia. Pipe	8	m	m			
	TOTAL						

Work Schedule

Name of Work : Shifting of the existing 900mm dia DI with 900 mm dia DI, 600 mm dia CI with 600 mm dia DI, 450 MM DIA CI with 450 mm dia DI, sewage pumping main and 250 mm dia SWP and 300 mm dia DI gravity mains for the construction of Proposed grade separator at GNT Road (Moolakadai junction) in Area - 1

Contract No :CNT/SEW/DEP/1998/2010-2011

Sl. No.	Description of work	Qty or No	Rate	Per	Rate in Rupees		Amount
					in Figures	in Words	
	BILL - IV - Shifting of 900 mm DI sewer Pumping main						
A	LABOUR CHARGES						
1	Making trial pits for locating the existing alignment including cuuting, excavation and refilling etc., complete.	6	No	Each			
2	Cutting asphaltic Road and concrete road by using tractor mounted compressor machine including operators, fuel etc complete	270	Hr	Hr			
3	Supplying and conveying to the site of 900mm dia DI pipe of Class K-9 conforming to IS 8329 - 2000 or its latest revision, loading, unloading and transporting charges including Laying, jointing earth work excavation for trenches in hard stiff clay stiff black cotton hard red earth, shales, murams, gravel staney with and cement mixed with small size boulders and hard gravelly soil, depositing the earth on bank with initial lead of 10 m , pumping sub-soil water ,lowering the pipes in to the trenches, aigning and refilling the trenches with excavated earth, watering, ramming to consolidation and disposing the surplus earth tec. complete for 1.0m etc. complete						
i	900mm dia DI pipe -Average depth of 2.00 m	120	m	m			

Signature of the Tenderer

Sl. No.	Description of work	Qty or No	Rate	Per	Rate in Rupees		Amount
					in Figures	in Words	
ii	900 mm dia DI pipe - Average depth of 2.50 m	180	m	m			
4	Barricade work along both side of the Trenches for laying the pipe line with casurina post at 1.52 m c/c (8 to 10 cm dia and 1.52 m height) verticals, painting the vertical posts in different colours, tying with coir rope, fixing danger flags, danger lights, reflectors including watching during night etc. complete	300	m	m			
5	Cutting 900mm dia DI pipe	10	Nos	Each			
6	Supplying and conveying to the site ,including fixing the following diameters of DI specials of such as Tees, Tapers, Bends, Branches, Tailpieces and collars etc., conforming to IS 9523-2000 or its latest revision, loading, unloading and transporting charges including earth excavation and refilling etc., complete.						
i	900 mm dia 45 degree bend with double socket ends	2	Nos	Each			
ii	900 mm dia 22 1/2 degree bend with double socket ends	2	Nos	Each			
iii	900mm dia DI MJ collar	6	Nos	Each			
7	Supplying and conveying to the site the following diameters of Rubber gaskets (EPDM) conforming to IS 5382-1985 or its latest revision with ISI mark, loading, unloading and transporting charges including making rubber joints etc., complete. For 900 mm DI pipes.	75	Nos	Each			

Sl. No.	Description of work	Qty or No	Rate	Per	Rate in Rupees		Amount
					in Figures	in Words	
8	Supplying and conveying to the site M.S. specials as per IS 3589 - 2001 fabricated with 10 mm thick M.S. plates including cutting the plates, fabrication charges, machining the pipe ends, radiography, bending, drilling the holes, welding, for inside lining of two coats of High build coal tar epoxy finish paint over one coat of inorganic zinc silicate primer/epoxy coating specials and for outside providing cement lining of thick 25 mm thick including cost of ruber packing, bolts, nuts and o ringsetc. for laying specials above ground level and and gunneting the cement mortor 1:3 thick 50mm under a pressure of 2.1 to 2.8 kg / cm2 in layer of 10mm thickness over the reinforcement of welded with 5mm wire mesh placed in position of size 150mm x 150mm including providing form work over the pipe for laying below ground level incuding all the duty and taxes (central and local) Railway frieght, insurance, unloading from railway wagan loading into trucks, transportation to site, unloading, stacking etc.,complete						
	as per specification including all the tests required as per IS specifications at the pipe manufacturing yard or factory						
	A) 45 degree M.S bend with 10mm thick plate of length 1.5 m (Centre) dia. 950 mm inner & outer 970 mm dia.	1420	Kg	Kg			
	B) M.S specials without inside lining out side coating M.S flange with 25 mm thick and 75mm width	775	Kg	Kg			

Contract No :CNT/SEW/DEP/1998/2010-2011

Sl. No.	Description of work	Qty or No	Rate	Per	Rate in Rupees		Amount
					in Figures	in Words	
9	Interconnection work to the existing main including cutting the existing main fixing branches, collars, jointing, baling out of water,engaging crane for lifting and aligning, labour for timbering and including earth work excavation and refilling etc. complete.with existing 900mm dia DI Sewage pumping main	2	Nos	Each			
10	Providing thrust blocks and construction of Thrust Blocks using Cement Concrete 1:3:6, 40mm B.G.jelly for plain Cement Concrete including earthwork excavation, necessary reinforcement, formwork etc complete for Boards standard type design. 2.50 m depth for 900 mm dia.pipe						
i	900mm dia DI 45 degree bend	6	Nos	Each			
ii	900mm dia DI 22 1/2 degree bend	2	Nos	Each			
11	Testing of DI. pipes 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 occured during the test ,excluding the cost of pipes including other incidental and operational charges etc., complete for the 900 mm di.pipes	300	m	m			

Signature of the Tenderer

Contract No :CNT/SEW/DEP/1998/2010-2011

Sl. No.	Description of work	Qty or No	Rate	Per	Rate in Rupees		Amount
					in Figures	in Words	
12	Supplying and conveying to the site of size 1000 mm dia DI pipe of Class K-9 confirming to IS 8329-2000 or its latest revision, loading, unloading and transporting charges for covering pipe including laying, jointing fixing the Pipe including earth work excavation and refilling at any depth for covering pipe at 2.50 m depth.(Adopted for 900mm rate @ 3.0)	5.5	m	m			
13	Provision for encasing the M.S specials --CC 1:2:4 using 12 to 20 mm gauge hard broken stona jelly for plain cement concrete works including laying in position, compacting, curing, finishing etc., complete	6.5	Cu.m	Cu.m			
14	Lifting and returning to stores of 900 mm dia. Pipe (Data)	8	m	m			
	TOTAL						

Signature of the Tenderer

Name of Work : Shifting of the existing 900mm dia DI with 900 mm dia DI, 600 mm dia CI with 600 mm dia DI, 450 MM DIA CI with 450 mm dia DI, sewage pumping main and 250 mm dia SWP and 300 mm dia DI gravity mains for the construction of Proposed grade separator at GNT Road (Moolakadai junction) in Area – 1

Contract No. : CNT/SEW/DEP/1998/2010-11

MILE STONE

Sl No	Description of work	Mile Stone period			
		Total	Up to 2 months	Up to 2 months	Up to 2 months
1.	Supplying and Laying of 250 mm dia stoneware pipe & 300 mm dia DI pipe, Construction of manhole, Barrication, Supplying and Conveying of rubber gaskets and Earth work excavation etc. complete.	510 m	400 m	510 m	510 m
2.	Supplying and Conveying of 450 mm dia DI pipe, DI specials, Barrication work, Rubber gaskets, Interconnection work to the existing main, providing thrust blocks and hydraulic testing of DI pipes etc. complete.	100 m	100 m	100 m	100 m
3.	Supplying and Conveying of 600 mm dia DI pipe, MS specials, Barrication work, Rubber gaskets, Interconnection work to the existing main, providing thrust blocks and hydraulic testing of DI pipes etc. complete.	350 m	100 m	250 m	350 m
4.	Supplying and Conveying of 900 mm dia DI pipe, DI /MS specials, Barrication work, Rubber gaskets, Interconnection work to the existing main, providing thrust blocks and hydraulic testing of DI pipes etc. complete.	300 m	---	100 m	300 m

LIQUIDATED DAMAGES

I	Mile Stone	-	Rs.1658/- per day
II	Mile Stone	-	Rs.1936/- per day
III	Mile Stone	-	Rs.2490/- per day

Signature of Tenderer