

SCHEDULE - A						
ABSTRACT OF BOQ						
NAME OF WORK: Supply and Laying of Pipe Line by Trenchless method across at KM 591/700-800 in between Sankarankoil - Rajapalayam Railway stations under CWSS to Sankarankoil, Puliyanakudi Municipalities, Thiruvankadam Town Panchayat in Tirunelveli District and Rajapalayam,(AMRUT) Sivakasi,Thiruthangal Municipalities in Virudhunagar District - Package – II						
Sl. No	Quantity	Name of Component	Ref.to Manual	Rate	Per	Amount Rs.
1	1 No.	Supply and Laying of 1400 mm dia MS Pipe across at Rail way line crossing KM 591/700-800 in between Sankarankoil - Rajapalayam Railway stations by pipe pushing /Jacking method through trenchless technology.		35,18,696.00	1 No.	35,18,696.00

(Rupees Thirty Five lakh Eighteen thousand Six hundred and ninety six only

I / WE agree to execute the above items of works at % Excess /Less over the departmental value mentioned above

- (1)The percentage shall be mentioned both in words and figures.
(2) The percentage quoted in the bid shall be up to two decimal only.
(3) If there is any variation in the percentage quoted in words and figures the lesser of the two will be taken into consideration.
(4) if the Tenderer fails to score out the word either excess or less, the word less alone will be taken into consideration.
(5) The rates provided are inclusive of excise duty and the exemption if any availed should be passed on to TWAD Board.

CONTRACTOR

Sd/--
EXECUTIVE ENGINEER

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Sl. No.	Qty.	Description of works.	TNDSS No	Unit in figures and words.	Rupees (figure and words).		Amount. Rs.
					In fig	In Word	
1		Excavating of driving pit and receiving pit of size 3.00m (length) x 3.50m (breadth), depth up to 5m in all soil strata including shoring and strutting using 6mm tk MS Plate of size 3.50m x 3.50m usable for 15 operations and providing 16mm thickness MS plate of size 3.00m x 3.50m with 100mm x100mm x 12mm angles of 4m length for holding the MS plates for Thrust arrangements to receive the impacts during pushing operation of encasing pipe. Lowering the following size of MS encasing pipe by using Contractor's crane and machineries and jointing MS pipes by welding, across the National Highways/State Highways/ Railways/Canal crossing etc and driving the horizontal bore by pushing / jacking method (trenchless technology method) using contractor's machineries such as cranes, jacks, jacking materials, generator, welding machineries, compressor, jack hammer and other equipments etc. without interfering and causing any hindrance to the movement of traffic or any other vehicles, without any disturbances to the railway/road/canal formation etc. including bailing / pumping of water where ever necessary without affecting any installation like water supply pipeline/telephone cable, electric cables etc. passing nearby area and scooping the earth inside the pipes and pit and depositing the surplus earth in a convenient place and leveling the site after completion of entire work as directed by TWAD Engineers. The rate includes the cost of driving pit, thrust bed/wall and receiving pit to the depth of o m to 2m excluding the cost of MS pipes.(For 1400 mm M.S. Pipes)	IS 3589 / 2001 & Special Specifica tion				
a)	22.00	For 1400 mm Dia with 20 mm thick (at Km 591/700-800)		17010	1 m (one metre)	Rupees Seventeen thousand and ten Only	374220

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Sl. No.	Qty.	Description of works.	TNDSS No	Unit in figures and words.	Rupees (figure and words).		Amount. Rs.
					In fig	In Word	
2		encasing pipe , without inside lining and outside coating but with anti rust painting as per IS 14589 -1999. IS 3589 / 2001	IS 3589 / 2001				
a)	28701	For 1400 mm Dia with 20 mm thick (at Km 591/700-800)		95.00	1KG(one kilogram)	Ninety five only	2726624.64
3		Earth work excavation and depositing on bank with initial lead of 10 m and lift of 2 m in narrow trenches for laying of pipes for water supply in the hard stiff clay, stiff black cotton, hard red earth, shales, murrum gravel, stony earth and earth mixed with small size boulders and hard gravelly soil. for laying of 400 mm dia 13mm thick MS pipes with specials with standard trench width and depth etc complete and as directed by TWAD Board officers					
a)	67.60	For 1400 mm Dia MS pipes		182.75	Cum	Rupees one hundred eighty two and seventy five Paisa Only	12353.90
4		Lowering the MS pipes and specials in to the trenches and laying to proper grade and alignment etc complete and as as directed by TWAD Board officers					
a)	19.00	For 1400 mm Dia MS pipes		274.20	1 m (one metre)	Rupees Two hundred Seventy four and twenty Paisa Only	5209.80
5		Refilling with excavated soil (Other than sand) complying with standard specification in layers of 15 cm watered well rammed and consolidated after the pipes and specials are laid ,jointed and tested etc complete and as directed by TWAD Board officers	SS 25 and Special /Specification				
a)	46.44	For 1400 mm Dia MS pipes		25.50	Cum	Rupees Twenty five and fifty Paisa Only	1184.22
6		Jointing of MS Pipes using Machine Welding including the hire charges of welding machine Generator and all consumables like diesel,electrode,labour charges and etc complete and as directed by TWAD Board officers					
a)	13.00	For 1400 mm Dia with 20 mm thick		1,700.00	Joint (One joint)	Rupees one thousand seven hundred Only	22100
Total							3141692.56
GST 12%							377003.11
Grand Total							3518695.67
Or say Rs.							35,18,696.00
(Rupees Thirty Five lakh Eighteen thousand Six hundred and ninety six only							

CONTRACTOR

Sd/-
EXECUTIVE ENGINEER