



L&T Construction
WATER & SOLAR SBG

LTCD/VLR-I/RKS/2012/0

12.12.2012

To
M/s GSB Infrastructures,
Palankavil, PO- Chaliyam,
Calicut District, Kerala.

Attn: Mr. Ganesan P

Dear Sir,

Sub: CWSS to Vellore Package I Project- Pipe Laying and allied works

This has reference to your offer and the subsequent discussions we had with you today. We are pleased to issue this Letter of Intent for carrying out Pipe Laying and its Allied works as per the rates mentioned below.

Item no	Item Description	Unit	Qty	Rate	Amount
1	All Charges for pipe unloading, lowering, laying, jointing by welding, air-testing for 1500mm ID, 10mm to 14mm thickness, socket and spigot MS pipe including all men, equipment (excluding crane), consumables (excluding electrodes), tools & tackles etc. as per the instructions of Engineer-In-Charge. Welding electrodes to be issued by L&T on free issue basis.	RM	5000	480	24,00,000
2	Fabrication of Specials like Mitre bends, reducers, Tees, etc.. as per the Drawings and the instructions of Engineer incharge	ID	6000	70	4,20,000
Total in Rs.					28,20,000

Retention money 5% of each bill shall be deducted. Income tax as applicable shall be deducted from each bill. All other terms & conditions shall be as per the attached Annexure-I

We request you to mobilize the resources, men and machineries and start the work immediately.

Thanking You,

Best Wishes,

For **LARSEN & TOUBRO LIMITED**

(R K SUBRAMANI)

PROJECT MANAGER

CWSS to Vellore-Pkg-1



**L&T Construction**

	<u>AIR VALVE, SCOUR VALVE</u>				
4	All Charges for fixing of Air Valve Stem pipe 4.5mm thk 3mtr long in MS Pipeline including Air Valve & Isolation Sluice Valve. Scope includes material shifting, transportation to site, fit up, fabrication, welding, alignment, consumables, labour, DG incl Fuel etc complete as per the drawings and as directed by Engineer-In-Charge. L&T shall provide the pipes, flanges, Air valve and Sluice valve, Fasteners, Crane and Trailer. Agency to prepare the required size Reinf pad fabricated from parent pipe material.				
	200mm dia Air Valve	Nos	10	8500	85000
	200/300mm dia Air Cushion Valve	Nos	5	8500	42500
5	All Charges for fixing of 500mm dia, 5mm thk Scour Valve branch pipe 9mtr long in MS Pipeline including fixing of Scour Valve. Scope includes material shifting, transportation to site, fit up, fabrication, welding, alignment, consumables, labour, DG incl Fuel etc complete as per the drawings and as directed by Engineer-In-Charge. L&T shall provide the pipes, bends, scour valve, puddle flange, Fasteners. Agency to prepare the required size Reinf pad fabricated from parent pipe material.	Nos	5	15000	75000
6	All Charges for fabrication and fixing of 500mm dia, 4.5mm thk Surge Vertical Stand Pipe in MS Pipeline. Scope includes material shifting, transportation to site, fit up, fabrication, welding, alignment, consumables, labour, DG incl Fuel etc complete as per the drawings and as directed by Engineer-In-Charge. L&T shall provide the pipes, bends. Agency to prepare the required size Reinf pad fabricated from parent pipe material.	Inch-dia	175	80	14000
SUB TOTAL- BASIC					7706500
IGST @ 18%					1387170
TOTAL INCL GST					9093670

TERMS & CONDITIONS

Nature of Works : Laying of MS Pipes 2400m dia including Valves fixing
Vendor Name : GSB Infrastructures - S0039007
Project : Nandawadagi Lift irrigation Scheme – LE170324

ANNEXURE I**1. SCOPE OF WORKS:-**

- a) The scope of work covered by this work order shall be as set out in KBJNL (Govt of Karnataka) technical specifications particular for this project, including any addendum, amendment, corrigendum issued thereon and as per project specifications, drawings, and the instruction of KBJNL and L&T for the work of Earthwork excavation and MS pipe laying and jointing works.
- b) **Clearing & Marking of Pipeline trench:** Clearing & Marking of Pipeline trench is in the scope of contractor as per requirement of Engineer in-charge.
- c) **Shifting of pipes from Yard to site:** Loading of pipes at yard and shifting to site is in the scope of contractor. Trailer for the above shall be provided by L&T. Fuel for the Trailer shall be in agency scope
- d) **Earth work:** Earthwork trench excavation in all types of soil and rock for all depths. Suitable trench slope should be provided as per specification and instruction of Engineer in-charge. Scope also includes side dressing and bottom dressing of trench as per instruction of Engineer in-charge. The contractor shall carryout extra excavation (weld pits) at the pipeline joints to be welded, as required, for facilitating proper welding of the bottom joint from outside. The minimum cover on pipe top is to be maintained 1.2 meter.
- e) **Lowering/laying of Pipe:** Unloading of pipes on ROU including making necessary approach for movement of cranes and trailers, lowering the pipes to trench, laying and jointing of pipes by cutting & welding, fixing of specials such as bends etc for Nallah/Road crossing, bedding with selected earth for hard rock locations etc as per requirement and as per drawing / specification / general good engineering practice. The charges are inclusive of all consumables, machineries (all P&M), resources, manpower and all other tools & tackles etc in complete as per specification and detail terms & conditions. Laying & Jointing: Jointing between MS pipes and specials shall be done as per the latest IS: 5822.
- f) **Installation of Valves:** Loading, Unloading, lowering, laying and fixing of valves (Air valve, A cushion valves and scour valve) in position on pipeline route as per drawing with required MS fitting stem / branch pipe and weld pad fabrication with necessary cutting & welding at joint as per requirement including erection and hydrotesting as per specification. L&T shall provide the required sizes of pipes and plates for fabrication and valves at our storeyard at Jackwell.
- g) **Fabrication & Erection of Surge Pipes:** Loading, Unloading, fabrication and erection of Surge pipe (500mm dia and 14m height) in position on pipeline at the specified location as per drawing with required MS fittings stem / branch pipe and weld pad fabrication with necessary cutting & welding at joint as per requirement including erection and hydrotesting as per specification. L&T shall provide required sizes of pipes and plates for fabrication at our storeyard at Jackwell.
- h) **Backfilling:** Backfilling should be placed in layers not exceeding 15cm thickness per layer from bottom of pipe to the level of center line of pipe, this has to be done with proper compaction. Filling at the center of pipe to a level of 300mm above the top of pipe filling has to be done with layer of 15cm