



2020

PRE BID REVIEW FOR PROVIDING AND COMMISSIONING OF DRIP/MICRO IRRIGATION SYSTEM



PHANS4 CONSULTING PVT. LTD.

#703, Dega Towers, Somajiguda, Hyderabad, Telangana 500082

PRE BID REVIEW FOR PROVIDING AND COMMISSIONING OF DRIP/MICRO IRRIGATION SYSTEM

Item	Remark
Description of Item	Providing & Commissioning of drip/micro irrigation system for 50 mtr. wide green belt plantation along periphery (5.2km.) of HPGCL land in village Mothuka and Arua Ballabgarh, Faridabad.
Estimated Cost	Rs.13.93 Lacs + taxes
Completion period	60 days
Start date and time of tender uploading	14.12.2016 at 20.00 Hrs.
Last date for downloading of tender & Bid Preparation	30.12.2016 at 13:00 Hrs.
Technical Opening (Part-I)	30.12.2016 at 15:30 Hrs.
Tender document Fee (Non-refundable)	Rs. 2265/-
E-service Fees (Non – refundable)	Rs. 1000/-
Earnest Money(refundable)	Rs. 27900/- for general contractor & Rs. 14000/- for labour const. soc. Firms registered with Director of Industries, Haryana or registered with National Small Industries Corporation, Govt. of India are exempted from depositing the Earnest Money Deposit.
Information for payment (EMD, e-service fee & tender document fee)	As per Annexure-A
General Terms & Conditions	As per Annexure-B
Additional Technical Terms Conditions	As per Annexure-C
Statements of bidders	As per Annexure-D
Instruction to the bidder for e-tender	As per Annexure-E
Contact Information	Executive Engineer/FTPS, HPGCL, Faridabad-121001. Mob. No.- 8510005801
Experience	Bidders must have successfully executed the work orders for the similar works during last 5 years ending last day of the month previous to the month in which tender is invited having minimum order value as under <ol style="list-style-type: none"> 1. Single order of the value not less than Rs. 11.15 lac or 2. Two orders of the value not less than Rs. 6.97 lac each or 3. Three orders of the value not less than Rs. 5.57 lac each
Statutory Requirement	The agency should have valid license under contract Labour Regulation and Abolition Act-1970 from labour department Haryana or should give an undertaking that it would be himself registered within one month if work is allotted.
Financial strength	Bidders must have average annual turnover in last 3 consecutive financial year ended prior to the financial year in which the tender is invited shall not be less than Rs. 85 lacs. (Copy of balance sheet/audit result of last three consecutive years should be attached as proof or certified copy by

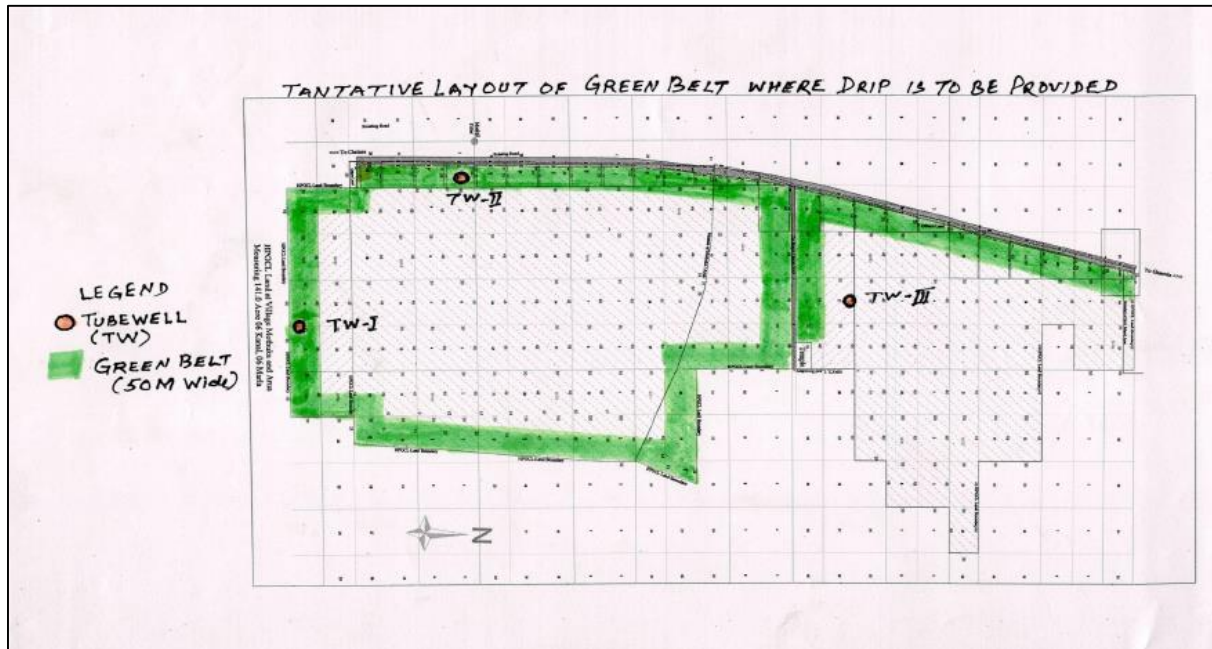
PRE BID REVIEW FOR PROVIDING AND COMMISSIONING OF DRIP/MICRO IRRIGATION SYSTEM

	CA (Chartered Accountant) for average annual turnover).
EMD	The earnest money furnished by the successful tenderers on whom the work order is placed shall be converted into security deposits as a guarantee for faithful and satisfactory execution of the work order
Completion of work	60 days from LOA
Special Conditions	<p>Drip irrigation: -</p> <p>i) No extra payment for Pressure compensatory dripper will be made, if required, on undulating land for watering plants</p> <p>ii) Maintenance or replacement of damaged main line, lateral line, control valves, flush valves, main headers unit including filters shall be in the scope of firm/contractor within warranty period.</p> <p>iii) Testing and commissioning of control valves, flush valves, and filters shall be in the scope of firm/contractor.</p> <p>iv) Any modification/alteration if required in drip irrigation system keeping in view the actual site condition shall be done by the contractor free of cost with the approval of Engineer in charge.</p> <p>v) Layout of mains or sub-mains line of drip irrigation system should be designed in such a manner that interconnection of all the sources (3nos. borewell) and interconnecting valves be provided for operating the same, in case of outage on any source.</p> <p>vi) Laying of mains and sub-mains line & providing lateral line alongwith drippers for each plant would be done in accordance or alignment of already planted trees or position of plant.</p> <p>vii) Plantation scheme details are as under:-</p> <p>- Lateral to lateral spacing:- 4mtr. (Row to Row spacing)</p> <p>- Plant to plant spacing:- 4mtr.</p>

PRE BID REVIEW FOR PROVIDING AND COMMISSIONING OF DRIP/MICRO IRRIGATION SYSTEM

	<ul style="list-style-type: none">- Per plant dripper:- 2 Nos.- Each dripper discharge : - 8 Lphviii) Quality assurance: - For ensuring good quality of material, firm will submit copy of test report of material being supplied for erection & commissioning of drip/micro irrigation system.
--	---

LAYOUT OF THE LAND



PRE BID REVIEW FOR PROVIDING AND COMMISSIONING OF DRIP/MICRO IRRIGATION SYSTEM

BILL OF QUANTITIES FOR THE PROVIDING & COMMISSIONING OF DRIP/MICRO IRRIGATION SYSTEM FOR 50 MTR. WIDE GREEN BELT PLANTATION ALONG PERIPHERY (5.2KM.) OF HPGCL

Sr. No.	Description of Item	Unit	Qty	Rate	Amount
	LAND IN VILLAGE MOTHUKA AND ARUA BALLABHGARH, FARIDABAD.				
	<p>Making arrangement for watering by way of drip/micro irrigation system for minimum 7000 plants keeping in view topography, undulating terrains, soil, water availability and other Agro climatic condition from bore wells (03 nos.) as per site requirement for each and every plant spreading in the area of 50 mtr. wide green belt along periphery (5.2km). The scope includes laying of network of mainlines, sub-mains and lateral lines with emission points/valves etc. spaced along the plants. The cost of all the materials or any machinery/pipes/fittings, spacial etc. or equipment + labour shall be borne by the contractor (Bore wells will be provided by the department) as per directions of engineer-in-charge. Salient feature of scheme are as under:-</p> <p>1. Lateral to lateral spacing:- 4mtr. (Row to Row spacing) 2. Plant to plant spacing:- 4mtr. 3. Per plant dripper:- 2 Nos. 4. Each dripper discharge :- 8 Lph</p> <p>NOTE:- 1. In price bid template common provision have been made for loading taxes CST/VAT for item No. 1 to 20 and Service tax on item no.-21 &22. In case of bidders/firms incorporate 'o' (Zero) then rates will be treated inclusive of all taxes. In case of applicability Form-'C' then CST/VAT will be regulated according to prevailing norms of HPGCL i.e. CST @ 2% or VAT @4.2% against 'C'-Form/Form-D1 respectively and Service tax @15%. However, for other extra taxes/charges, if any such as Excise duty, Transit insurance, freight, octroi etc, bidders/firms should quote rates inclusive of all such taxes/charges either in basic rate or taxes column. No extra loading and payment will be made in respect of these items later on.</p>				
1.	3" Disc Filter 50m ³ /hr (ISI mark) for filtration system	Nos.	3		
2.	3" Hydrocyclone Filter 40m ³ /hr – For Filtration System (ISI mark)	Nos.	3		
3.	Ventuary 2" (Ventuary manifold with control valve) For Filtration System	Nos.	3		
4.	1" air Release Valve – For Filtration System (ISI mark)	Nos.	9		
5.	3" Non Return Valve For Filtration System	Nos.	3		
6.	3" Throttle Valve / Butter Fly valve For Filtration System	Nos.	3		
7.	Glycerine Pressure Gauge (0-10bar) For Filtration System	Nos.	9		
8.	90mm PP Ball Valve For Filtration System	Nos.	6		
9.	90mm OD-4.0kg/CM ² Piping (PVC) ISI marked as per IS : 4985	Mtr.	300		
10.	75mm OD-4.0kg/CM ² Piping (PVC) ISI marked as per IS : 4985	Mtr.	4,000		
11.	63mm OD-4.0kg/CM ² Piping (PVC) ISI marked as per IS : 4985	Mtr.	1,600		
12.	63mm PP Ball Valve(Control valves) – Thread End	Nos.	30		
13.	Flush Valve 63mm	Nos.	30		
14.	lateral pipe 16mm LLDPE Pipe ISI marked CL-2	Mtr.	30,000		
15.	On line dripper 8lph-ISI marked NPC	Nos.	14,000		
16.	Extension tube 6mm OD for drippers	Mtr	7,500		
17.	Takeoff 4mm for extension tube	Nos.	14,000		
18.	Construction of PCC foundation for Filtration system size 3mtrs x 2 mtrs	Nos	3		
19.	Plastic Tank of capacity 500 L for fertilization	Nos	3		
20.	<p>Cost of Fittings/spacials & Accessories which includes:- 16mm- star connector, rubber grommet, End cap, straight connector 90mm -MTA GI/PVC, Socket PVC, Elbow, PVC Tee, 75mm -Socket PVC, Elbow, PVC Tee 63mm- Socket PVC, Elbow, End Cap PVC, PVC Tee Solvent Cement, GI Nipple 3" x 6", GI Nipple 2" x 6", 3" GI Tee etc and any other Fittings/spacials & Accessories as per site requirement.</p> <p>NOTE:- The fittings details worked out above are tentatively estimated and are indicative only. The firm will work out their own estimate/calculations Keeping in view site conditions/undulating terrain etc. and will quote L/S rates for these items, no extra claim shall be entertain afterword.</p>	L/S lot	1		
21.	Trenching of size depth upto 1 m x 0.5 m width x 5900 m length and back filling and then disposing of surplus soil, by spreading and neatly leveling within a lead of 50 m and making up the trenched area to proper levels by filling with earth as per directions of engineer-in-charge.	cum	2,950		
22.	Charges of installation and commissioning of drip irrigation system scope includes: designing on autocad complete layout of water/drip irrigation system, marking on ground as per layout/ drawing, laying and then fixing/jointing of PVC main lines, laying of lateral lines and then its connections, jointing of PVC main lines and lateral lines, installation of valves, end cap, venturi etc. on main/sub-main lines, fixing/Installation of drippers, extension tube, takeoff etc. on lateral lines, interconnection of all the water source alongwith interconnecting valves. Any other activity not mentioned in the scope but is necessary for execution of commissioning and testing of whole drip irrigation system shall have to be carried out by contractor/firm as per directions of engineer-in-charge.	L/S Job	1		