

**APARNA INFRAHOUSING PVT. LTD.**

#802, Astral Heights, D.No. 6-3-352/2 & 3,
Road # 1, Banjara Hills Hyderabad - 500034
CIN NO : U45200TG2006PTC049680
Phone : +91-40-23352068/72 Fax : +91-40-23350329

**PURCHASE ORDER****To** REVOLVE ENGINEERS PVT LTDPlot No.52, H.No.7 - 1 - 282/C/1/52/C,, Linaiah Nagar, Balkampet,,
Hyderabad-500018, Telangana, India**PO** : AIH/PO/308/00115**Date** : 26/12/2017**Project** : West Side**PH** : 040 44545100**Fax** : + 91-40-23350329**Mobile** : 9848912752**PAN No** : AACCR3708B**GSTIN** : 36AACCR3708B1ZT**Email** :**Contact Person** : Mr. Bhaskar**Ref** As per your final quotation dated 29.11.2017 and subsequent discussions had with you.

Please supply the under mentioned goods subject to Terms & Conditions mentioned in this PO & overleaf. Please quote this PO No. in all your supply documents.

S No	Code	HSN	Item Description	UOM	Qty	Unit Rate	Tax Rate(%)			Amount INR
							SGST	CGST	IGST	
1	109504G	8413	Monoblock Centrifugal Pump, 5.0 Hp 5.6 lps @33.8mtr head, Model : NB 32- 160, Grundfos make	NOS	2.00	34500.00	6.00	6.00	0.00	69000.00
2	109506G	8537	Control Panel, common, 4.0 KW auto with two floats. (for Sl.No.1)	NOS	1.00	30850.00	9.00	9.00	0.00	30850.00
3	101545G	8413	Open well Submersible pump 3 hp 4 lps @15mtr head, Model : DPK. 10.80.22.5.0D, Grundfos make.	NOS	5.00	35000.00	6.00	6.00	0.00	175000.00
4	107934G	84139120	Discharge Elbow for Hydropneumatic pump, part no. 96922609, Grundfos 80mm, Grundfos make. (for sl. no. 3)	NOS	5.00	2600.00	9.00	9.00	0.00	13000.00
5	101541G	8413	Open well Submersible pump 2 hp 6 lps @12.5mtr head, Model : DPK. 10.50.15.5.0D, Grundfos make.	NOS	4.00	28400.00	6.00	6.00	0.00	113600.00
6	107935G	84139120	Discharge Elbow for Hydropneumatic pump, part no. 96922610, Grundfos 50mm, Grundfos make (for sl. no. 5)	NOS	4.00	1500.00	9.00	9.00	0.00	6000.00
7	107931G	8537	Control Panel, individual, 2.2 KW auto with one float. (for sl. no. 3 & 5)	NOS	9.00	12600.00	9.00	9.00	0.00	113400.00
8	106513G	8413	Hydropneumatic pump system - WSP treated water for domestic purpose 7.5 hp (2 Pumps) + 5 Hp (1 Pump) with one VFD for main pumping system and one VFD for Jockey pump, 15 cum/hr @83.6 mtr & 10 cum/hr @82.8 mtrs, Model BP MPC F (2 x CR 15-07 + 1 x CR 10- 10), Grundfos make.	SET	1.00	567000.00	6.00	6.00	0.00	567000.00
9	106512G	8413	Hydropneumatic pump system - STP treated water for flushing & irrigation purpose 5 HP (2 pumps) + 3 Hp (1 pump) with one VFD for main pumping system and one VFD for Jockey pump, 10 cum/hr @80 mtr & 5 cum/hr @80 mtrs, Model BP MPC F (2 x CR 10-10 + 1 x CR 5-15), Grundfos make	SET	1.00	474000.00	6.00	6.00	0.00	474000.00
10	106511G	8413	Hydropneumatic pump system - Municipal water for domestic purpose 5 Hp with single VFD, 15 cum/hr @82.9 mtr Head, 1 working + 1 standby = 1 set, Model : BP MPC F 2 x CR 10-10, Grundfos make	SET	1.00	313000.00	6.00	6.00	0.00	313000.00
11	111316G	7310	Pressure tank for pump, 500 ltrs bladder type, PN16. (for sl.no. 8,9,10)	NOS	3.00	58600.00	9.00	9.00	0.00	175800.00

Price Basis : FOR our site	Sub - Total	2050650.00
Freight Basis :	SGST	133210.50
Payment : Within 30 days from the date of receipt of material	CGST	133210.50
	IGST	0.00
Note :		
Delivery Days : 64	Grand Total	2317071.00
Delivery Date : 28/02/2018	Rounded off To	2317071.00
Quality / General Instructions : (Without original GST invoice, material shall not be accepted at our stores) 1) Warranty : 18 months from the date of supply or 12 months from the date of commissioning whichever is earlier against any manufacturing defects. If any defect is noticed, it shall be replaced by you free of cost. 2) The above material shall be supplied as per specifications mentioned. 3) Guidance to be provided by you during installation time. 4) Please see attached Annexure-I & II for detailed specifications & warranty details.		
Value in Words : Rupees Twenty Three Lakhs Seventeen Thousands Seventy One Only		
Material Delivery Address : Sy. No: 138/AA, 151 TO 153, Khajaguda Village, Serilingampally, Ranga Reddy District	Contact : Mr. Satya Raja Lingam Mobile No : 9848402873 stores-westside@aparnaconstructions.com GSTIN : 36AAFCA8372D1ZP Range Code: YNO701	
In Emergency only, please contact Mr. P.Ravindra kumar- Stores - 9505507081		
Prepared By <i>P. R. Ravindra kumar</i>	Checked By <i>Su</i> <i>26/12/17</i>	Authorized Signatory <i>[Signature]</i>
Ref. No. : <i>Dem dt. 21/8/17.</i>	Date	
Activity <i>Hydro & Dewatering Pumps for total project.</i>		

ANNEXURE-I

This Annexure-I Forms and integral part of PO No. AIH\PO\308\001115, dated 26.12.2017

S.No	Description
<u>PUMPS</u>	
1	Item No. 1 of PO :- Monoblock centrifugal pump, 5.0 Hp, 5.6 lps @33.8mtr head, Model : NB 32-160, Grundfos make - 2 Nos
2	Item No. 2 of PO :- Common control panel , dry run protection, single phase preventor, OLR, Indication lamps, cyclic timer, auto with two floats 1W+1S (for Item No.1)
3	Item No. 3 of PO :- Openwell submersible pump, 3 HP, 4 lps @15mtr head, Model : DPK.10.80.22.5.0D, Grundfos make - 5 Nos
4	Item No. 4 of PO :- Discharge elbow, 80mm, Grundfos make for item no. 3 - 5 Nos
5	Item No. 5 of PO : Openwell submersible pump, 2 HP, 6 lps @12.5mtr head, Model : DPK.10.50.15.5.0D, Grundfos make - 4 Nos
6	Item No. 6 of PO :- Discharge elbow, 50mm, Grundfos make for item no. 5 - 4 Nos
7	Item No. 7 of PO :- Individual control panel, dry run protection, single phse preventor, OLR, Indication lamps, cyclic timer, auto with one float (for item no. 3 & 5) - 9 Nos
	Item No. 8 of PO :-
8	Supply, testing & Commissioning of Domestic Water Hydro Pneumatic Pumps surface mounted with dry run protection, overload relays, autolevel controller, Suction side pressure transmitter.

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S.No	Description
	Domestic Water Hydro pneumatic pumps 7.5 hp (2 Pumps) + 5 Hp (1 Pump) with one VFD for main pumping system and one VFD for Jockey pump - 1 set - Vertical multistage online pressure boosting system
	Duty of each pump : 15 cum/hr @83.6 mtr & 10 cum/hr @82.8 mtrs
	Main components specifications :
	All motors should be IE2 / IE3 efficiency only
	Control panel with display on board, Rittal make enclosure for controller
	Danfoss make VFD
	PN16 standard valves
	Butterfly valves should be CI
	NRV's should be CI
	Suction & discharge manifolds should be made with GI C class piping
	Suction & discharge manifold frame should be Hot dip galvanised GI epoxy coated
	Pressure tanks should be MS epoxy painted
	Pressure transmitter should be provided for dry run protection at suction side
	Pressure switches should be provided for fixed speed operation as additional feature on delivery side (2 nos working + 1 nos standby)
	Make : Grundfos, Model No. BP MPC F (2 x CR 15-07 + 1 x CR 10-10)
	Item No. 9 of PO ;
9	Supply, testing & Commissioning of Flushing Water Hydro Pneumatic Pumps surface mounted with dry run protection, overload relays, autolevel controller, Suction side pressure transmitter.
	Flushing water Hydro pneumatic pumps 5 HP (2 pumps) + 3 Hp (1 pump) with one VFD for main pumping system and one VFD for Jockey pump -1 set - Vertical multistage online pressure boosting system
	Duty of each pump : 10 cum/hr @80 mtr & 5 cum/hr @80 mtrs
	Main components specifications :
	All motors should be IE2 / IE3 efficiency only
	Control panel with display on board, Rittal make enclosure for controller.
	Danfoss make VFD
	PN16 standard valves
	Butterfly valves should be CI
	NRV's should be CI
	Suction & discharge manifolds should be made with GI C class piping

S.No	Description
	Suction & discharge manifold frame should be Hot dip galvanised GI epoxy coated
	Pressure tanks should be MS epoxy painted
	Pressure transmitter should be provided for dry run protection at suction side
	Pressure switches should be provided for fixed speed operation as additional feature on delivery side (2 nos working + 1 nos standby)
	Make : Grundfos, Model No. BP MPC F (2 x CR 10-10 + 1 x CR 5-15)
	Item No. 10 of PO ;
10	Supply, testing & Commissioning of Municipal Water Hydro Pneumatic Pumps surface mounted with single VFD, dry run protection, overload relays, autolevel controller, Suction side pressure transmitter.
	Municipal water Hydro pneumatic pumps 2 Nos (1 set) - Vertical multistage online pressure boosting system
	Duty of each pump : 15 cum/hr @82.9 mtr Head
	Main components specifications :
	All motors should be IE2 / IE3 efficiency only
	Control panel with display on board, Rittal make enclosure for controller.
	Danfoss make VFD
	PN16 standard valves
	Butterfly valves should be CI
	NRV's should be CI
	Suction & discharge manifolds should be made with GI C class piping
	Suction & discharge manifold frame should be Hot dip galvanised GI epoxy coated
	Pressure tanks should be MS epoxy painted
	Pressure transmitter should be provided for dry run protection at suction side
	Pressure switches should be provided for fixed speed operation as additional feature on delivery side (1 nos working + 1 nos standby)
	Make : Grundfos, Model No. BP MPC F 2 x CR 10-10
	Item No. 11 of PO ;
11	Pressure Tanks - 3 Nos (for item nos. 8, 9, 10)
	Capacity : 500 ltrs
	16 bar, Carbon Steel, Bladder type, MS epoxy coated

ANNEXURE-II

This Annexure-II Forms and integral part of PO No. AIH\PO\308\00115, dated 26.12.2017

S.No	Terms & Conditions
1	WARRANTY a) 1 year from the date of commissioning or 18 months from the date of supply, whichever earlier b) Warranty cum compliance certificate to be provided for Centrifugal & Submersible Pumps c) Test Certificate should be provided for Domestic & Municipal Water Hydro Pneumatic Pumps and Test Certificate/Compliance Certificate should be provided for Flushing Water Submersible Hydro-Pneumatic pumps
2	Supervision shall be done by you FOC during installation & Commissioning of pumps
3	Supplier has to provide the matching flanges for submersible pumps

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