

Addendum-2

Name of Work		Construction, Erection, Supply, Installation, Testing and Commissioning for Storm Water Drainage Pumping Station 08 (Eight) in Khagaul Danapur near Hitech Hospital, Ghurdaur Nehru Path, Isopur Bramha Ashthan, Karori Chak, Beur Betaura Pul, Canal DPS, Digha (Near Old Thana) & Rajiv Nagar at Patna, Bihar. (Group-1)	
Ref NIT No.		BUIDCo/Yo-1875/20 (Part-2)-33, Date-27.10.2021	
S.No	Clause No	As per Bid condition	To be read as
1	4.5 A. (c).	<p>Pump Manufacture Must have following Experience in storm water pumps in last 5 years. Documentary prof of supply shall be submitted along with bid :</p> <ul style="list-style-type: none"> • Experience of manufacturing and supplying pumps with a total combined capacity of 12000 cum/hr. for a single project. • Annual Turn-Over should not be less than Rs. 500 Cr in any of last 5 years. • Average Net –worth should not be less than Rs. 200 Cr in last 5 years. • All financial documents shall be certified by Chartered Accountant. • Should have manufactured, Supplied VT pump of discharge capacity not less than 9000 cum/hr. per pump with diesel engine driven for storm water project. • The pump sets should be originally manufactured in India. • Pump manufacturer should be an ISO 9001, ISO 14001, ISO 45001 & ISO 50001 Certified organization. • Pumps Manufactured and supplied shall be done in India with from in-house manufacturing and testing facilities in India. • Pump Manufacture Not blacklisted in any Govt. departments / corporations/ Govt. undertaking organizations. <p>☑ Bidder must have experience of Supply, installation, testing and commissioning of pump motor of capacity minimum 300 KW collectively from a maximum combination of 3 pumps during last Seven years (i.e. 2014-15 to 2020-21).</p> <p>And Bidder must have experience of Supply, installation, testing and commissioning of 1 no pump with minimum installed capacity of 714 cum/Hr during last Seven years (i.e. 2014-15 to 2020-21).</p>	<p>Pump Manufacture Must have following Experience in storm water pumps in last 5 years. Documentary prof of supply shall be submitted along with bid :</p> <ul style="list-style-type: none"> • Experience of manufacturing and supplying pumps with a total combined capacity of 12000 cum/hr. for a single project. • Annual Turn-Over should not be less than Rs. 500 Cr in any one year during last 5 years. • Average Net –worth should not be less than Rs. 200 Cr in last 5 years. • All financial documents shall be certified by Chartered Accountant. • Should have manufactured, Supplied VT pump of discharge capacity not less than 9000 cum/hr. per pump with diesel engine driven for storm water project. • The pump sets should be originally manufactured in India. • Pump manufacturer should be an ISO 9001, ISO 14001, ISO 45001 & ISO 50001 Certified organization. • Pumps Manufactured and supplied shall be done in India with from in-house manufacturing and testing facilities in India. • Pump Manufacture Not blacklisted in any Govt. departments / corporations/ Govt. undertaking organizations. <p>☑ Bidder must have experience of Supply, installation, testing and commissioning of pump motor of capacity minimum 300 KW collectively from a maximum combination of 3 pumps during last Seven years (i.e. 2014-15 to 2020-21).</p> <p>And Bidder must have experience of Supply, installation, testing and commissioning of 1 no pump with minimum installed capacity of 714 cum/Hr during last Seven years (i.e. 2014-15 to 2020-21).</p>


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S.No	Clause No	As per Bid condition	To be read as
2	PART D ELECTRO MECHANICAL WORKS	PUMP -MOTOR: Type and rating. 1. The pump shall be of vertical shaft, single stage suitable for direct coupling to motor of suitable capacity with 10% over load rating. The direction of rotation shall be anticlockwise when viewed from top. Each pump shall be so designed and constructed that all removable parts including runner, shaft, guide bearing, shaft seal, guide apparatus etc., can be easily removed. It shall be possible to repair/replace pump shaft seal without de-watering the Draft tube, for which purpose additional repair seal shall be provided.	PUMP -MOTOR: Type and rating. 1. The pump shall be of vertical shaft, single stage suitable for direct coupling to motor of suitable capacity with 10% over load rating. The direction of rotation shall be clockwise when viewed from top. Each pump shall be so designed and constructed that all removable parts including runner, shaft, guide bearing, shaft seal, guide apparatus etc., can be easily removed. It shall be possible to repair/replace pump shaft seal without de-watering the Draft tube, for which purpose additional repair seal shall be provided.
3	2.1.2. GENERAL ARRANGEME NT OF PUMP:	Vertical-shaft driving motors shall be mounted on the discharge head above the discharge bend. Unless otherwise specified or approved, they shall be of the hollow shaft type, fitted with an axially-adjustable thrust bearing designed to carry the combined weight of pump and motor rotating parts, the drive shaft with couplings, and hydraulic loadings.	Vertical-shaft driving motors shall be mounted on the discharge head above the discharge bend. Unless otherwise specified or approved, they shall be of the solid shaft type, fitted with an axially-adjustable thrust bearing designed to carry the combined weight of pump and motor rotating parts, the drive shaft with couplings, and hydraulic loadings.
4	8. Test Trial and operation	After commissioning and testing, there will be six months trial run and thereafter five years for operation and maintenance of the plant. During trial run and O & M period, the contractor shall depute his personnel full time to operate, maintain and repair the equipment. The personnel so deputed shall maintain log books and other records as directed by the Engineer In charge. During this period the owner's personnel shall continuously work with Contractor's personnel to take full responsibility of operating, maintaining, repairing, etc. of the equipment plant.	After commissioning and testing, there will be six months trial run. During trial run period, the contractor shall depute his personnel full time to operate, maintain and repair the equipment. The personnel so deputed shall maintain log books and other records as directed by the Engineer In charge. During this period the owner's personnel shall continuously work with Contractor's personnel to take full responsibility of operating, maintaining, repairing, etc. of the equipment plant.

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Addendum-2

Name of Work		Construction, Erection, Supply, Installation, Testing and Commissioning for Storm Water Drainage Pumping Station 08 (Eight) in Congress Maidan, RK Avenue, Saidapur NCC, Rampur, Bakri Bazar, TV Tower, Nandal Chhapra & Dasaratha at Patna, Bihar. (Group-II)	
Ref NIT No.		BUIDCo/Yo-1875/20 (Part-2)-33, Date-27.10.2021	
S.No	Clause No	As per Bid condition	To be read as
1	4.5 A. (c).	<p>Pump Manufacture Must have following Experience in storm water pump in last 5 years. Documentary prof of supply shall be submitted along with bid :</p> <ul style="list-style-type: none"> • Experience of manufacturing and supplying pumps with a total combined capacity of 25000 cum/hr. for a single project. • Annual Turn-Over should not be less than Rs. 500 Cr in any of last 5 years. • Average Net –worth should not be less than Rs. 200 Cr in last 5 years. • All financial documents shall be certified by Chartered Accountant. • Should have manufactured, Supplied VT pump of discharge capacity not less than 9000 cum/hr. per pump with diesel engine driven for storm water project. • The pump sets should be originally manufactured in India. • Pump manufacturer should be an ISO 9001, ISO 14001, ISO 45001 & ISO 50001 Certified organization. • Pumps Manufactured and supplied shall be done in India with from in-house manufacturing and testing facilities in India. • Pump Manufacture Not blacklisted in any Govt. departments / corporations/ Govt. undertaking organizations. • Bidder must have experience of Supply, installation, testing and commissioning of pump motor of capacity minimum 390 KW collectively from a maximum combination of 3 pumps during last Seven years (i.e. 2014-15 to 2020-21). <p>And</p> <p>Bidder must have experience of Supply, installation, testing and commissioning of 1 no pump with minimum installed capacity of 813 cum/hr during last Seven years (i.e. 2014-15 to 2020-21).</p>	<p>Pump Manufacture Must have following Experience in storm water pump in last 5 years. Documentary prof of supply shall be submitted along with bid :</p> <ul style="list-style-type: none"> • Experience of manufacturing and supplying pumps with a total combined capacity of 25000 cum/hr. for a single project. • Annual Turn-Over should not be less than Rs. 500 Cr in any one year during last 5 years. • Average Net –worth should not be less than Rs. 200 Cr in last 5 years. • All financial documents shall be certified by Chartered Accountant. • Should have manufactured, Supplied VT pump of discharge capacity not less than 9000 cum/hr. per pump with diesel engine driven for storm water project. • The pump sets should be originally manufactured in India. • Pump manufacturer should be an ISO 9001, ISO 14001, ISO 45001 & ISO 50001 Certified organization. • Pumps Manufactured and supplied shall be done in India with from in-house manufacturing and testing facilities in India. • Pump Manufacture Not blacklisted in any Govt. departments / corporations/ Govt. undertaking organizations. • Bidder must have experience of Supply, installation, testing and commissioning of pump motor of capacity minimum 390 KW collectively from a maximum combination of 3 pumps during last Seven years (i.e. 2014-15 to 2020-21). <p>And</p> <p>Bidder must have experience of Supply, installation, testing and commissioning of 1 no pump with minimum installed capacity of 813 cum/hr during last Seven years (i.e. 2014-15 to 2020-21).</p>
2	PART D ELECTRO MECHANICAL WORKS	<p>PUMP -MOTOR: Type and rating.</p> <p>1. The pump shall be of vertical shaft, single stage suitable for direct coupling to motor of suitable capacity with 10% over load rating. The direction of rotation shall be anti-clockwise when viewed from top. Each pump shall be so designed and constructed that all removable parts including runner, shaft, guide bearing, shaft seal, guide apparatus etc., can be easily removed. It shall be possible to repair/replace pump shaft seal without de-watering the Draft tube, for which purpose additional repair seal shall be provided.</p>	<p>PUMP -MOTOR: Type and rating.</p> <p>1. The pump shall be of vertical shaft, single stage suitable for direct coupling to motor of suitable capacity with 10% over load rating. The direction of rotation shall be clockwise when viewed from top. Each pump shall be so designed and constructed that all removable parts including runner, shaft, guide bearing, shaft seal, guide apparatus etc., can be easily removed. It shall be possible to repair/replace pump shaft seal without de-watering the Draft tube, for which purpose additional repair seal shall be provided.</p>

S.No	Clause No	As per Bid condition	To be read as
3	2.1.2. GENERAL ARRANGEMENT OF PUMP:	Vertical-shaft driving motors shall be mounted on the discharge head above the discharge bend. Unless otherwise specified or approved, they shall be of the hollow shaft type, fitted with an axially-adjustable thrust bearing designed to carry the combined weight of pump and motor rotating parts, the drive shaft with couplings, and hydraulic loadings.	Vertical-shaft driving motors shall be mounted on the discharge head above the discharge bend. Unless otherwise specified or approved, they shall be of the solid shaft type, fitted with an axially-adjustable thrust bearing designed to carry the combined weight of pump and motor rotating parts, the drive shaft with couplings, and hydraulic loadings.
4	8. Test Trial and operation	After commissioning and testing, there will be six months trial run and thereafter five years for operation and maintenance of the plant. During trial run and O & M period, the contractor shall depute his personnel full time to operate, maintain and repair the equipment. The personnel so deputed shall maintain log books and other records as directed by the Engineer In charge. During this period the owner's personnel shall continuously work with Contractor's personnel to take full responsibility of operating, maintaining, repairing, etc. of the equipment plant.	After commissioning and testing, there will be six months trial run. During trial run period, the contractor shall depute his personnel full time to operate, maintain and repair the equipment. The personnel so deputed shall maintain log books and other records as directed by the Engineer In charge. During this period the owner's personnel shall continuously work with Contractor's personnel to take full responsibility of operating, maintaining, repairing, etc. of the equipment plant.

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Addendum-2

Name of Work	Construction, Erection, Supply, Installation, Testing and Commissioning for Storm Water Drainage Pumping Station 06 (Six) in Sandalpur, RMRI, Big Hospital, Premkuri (Karmalchak), Khanpura & Barmutia at Patna, Bihar. (Group-III)		
Ref NIT No.	BUIDCo/Yo-1875/20 (Part-2)-33, Date-27.10.2021		
S.No	Clause No	As per Bid condition	To be read as
1	4.5 A. (c).	<p>Pump Manufacture Must have following Experience in storm water pump in last 5 years. Documentary prof of supply shall be submitted along with bid :</p> <ul style="list-style-type: none"> • Experience of manufacturing and supplying pumps with a total combined capacity of 33000 cum/hr. for a single project. • Annual Turn-Over should not be less than Rs. 500 Cr in any of last 5 years. • Average Net –worth should not be less than Rs. 200 Cr in last 5 years. • All financial documents shall be certified by Chartered Accountant. • Should have manufactured, Supplied VT pump of discharge capacity not less than 9000 cum/hr. per pump with diesel engine driven for storm water project. • The pump sets should be originally manufactured in India. • Pump manufacturer should be an ISO 9001, ISO 14001, ISO 45001 & ISO 50001 Certified organization. • Pumps Manufactured and supplied shall be done in India with from in-house manufacturing and testing facilities in India. • Pump Manufacture Not blacklisted in any Govt. departments / corporations/ Govt. undertaking organizations. <p>☑ Bidder must have experience of Supply, installation, testing and commissioning of pump motor of capacity minimum 225 KW collectively from a maximum combination of 3 pumps during last Seven years (i.e. 2014-15 to 2020-21).</p> <p>And Bidder must have experience of Supply, installation, testing and commissioning of 1 no pump with minimum installed capacity of 543 cum/hr during last Seven years (i.e. 2014-15 to 2020-21).</p>	<p>Pump Manufacture Must have following Experience in storm water pump in last 5 years. Documentary prof of supply shall be submitted along with bid :</p> <ul style="list-style-type: none"> • Experience of manufacturing and supplying pumps with a total combined capacity of 33000 cum/hr. for a single project. • Annual Turn-Over should not be less than Rs. 500 Cr in any one year during last 5 years. • Average Net –worth should not be less than Rs. 200 Cr in last 5 years. • All financial documents shall be certified by Chartered Accountant. • Should have manufactured, Supplied VT pump of discharge capacity not less than 9000 cum/hr. per pump with diesel engine driven for storm water project. • The pump sets should be originally manufactured in India. • Pump manufacturer should be an ISO 9001, ISO 14001, ISO 45001 & ISO 50001 Certified organization. • Pumps Manufactured and supplied shall be done in India with from in-house manufacturing and testing facilities in India. • Pump Manufacture Not blacklisted in any Govt. departments / corporations/ Govt. undertaking organizations. <p>☑ Bidder must have experience of Supply, installation, testing and commissioning of pump motor of capacity minimum 225 KW collectively from a maximum combination of 3 pumps during last Seven years (i.e. 2014-15 to 2020-21).</p> <p>And Bidder must have experience of Supply, installation, testing and commissioning of 1 no pump with minimum installed capacity of 543 cum/hr during last Seven years (i.e. 2014-15 to 2020-21).</p>

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S.No	Clause No	As per Bid condition	To be read as
2	PART D ELECTRO MECHANICAL WORKS	PUMP -MOTOR: Type and rating. i. The pump shall be of vertical shaft, single stage suitable for direct coupling to motor of suitable capacity with 10% over load rating. The direction of rotation shall be clockwise when viewed from top. Each pump shall be so designed and constructed that all removable parts including runner, shaft, guide bearing, shaft seal, guide apparatus etc., can be easily removed. It shall be possible to repair/replace pump shaft seal without de-watering the Draft tube, for which purpose additional repair seal shall be provided.	PUMP -MOTOR: Type and rating. i. The pump shall be of vertical shaft, single stage suitable for direct coupling to motor of suitable capacity with 10% over load rating. The direction of rotation shall be clockwise when viewed from top. Each pump shall be so designed and constructed that all removable parts including runner, shaft, guide bearing, shaft seal, guide apparatus etc., can be easily removed. It shall be possible to repair/replace pump shaft seal without de-watering the Draft tube, for which purpose additional repair seal shall be provided.
3	2.1.2. GENERAL ARRANGEMENT OF PUMP:	Vertical-shaft driving motors shall be mounted on the discharge head above the discharge bend. Unless otherwise specified or approved, they shall be of the hollow shaft type, fitted with an axially-adjustable thrust bearing designed to carry the combined weight of pump and motor rotating parts, the drive shaft with couplings, and hydraulic loadings.	Vertical-shaft driving motors shall be mounted on the discharge head above the discharge bend. Unless otherwise specified or approved, they shall be of the solid shaft type, fitted with an axially-adjustable thrust bearing designed to carry the combined weight of pump and motor rotating parts, the drive shaft with couplings, and hydraulic loadings.
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