

ESP-001- 2A Rev.00		BHARAT HEAVY ELECTRICALS LIMITED PROJECT ENGINEERING & SYSTEMS DIVISION RAMACHANDRAPURAM: HYDERABAD - 502 032	Std. / Doc. Number	
			Annexure-3	
			Rev. No.	00

COPYRIGHT AND CONFIDENTIAL The information on this document is the property of BHARAT HEAVY ELECTRICALS LIMITED, It must not be used directly or indirectly in any way detrimental to the interest of the company.	Annexure-3 Hydrant/Spray, Booster & Jockey Pump-Price bid format
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Revisions:	Prepared by :	Checked by :	Approved by :	Date :
Refer to record of revisions	RATISH KUMAR	GIRISH PALO	SURYA SATYA NAGESH M	10.03.20

Annexure-3A							
		BHARAT HEAVY ELECTRICALS LIMITED PROJECT ENGINEERING & SYSTEMS DIVISION RAMACHANDRAPURAM: HYDERABAD - 502 032					
PRICE FORMAT (R00) FOR HYDRANT AND SPRAY PUMP WITH DRIVES (MOTOR & DIESEL ENGINE) PROJECT: 5X800 MW YADADRI THERMAL POWER STATION PROJECT, NALGONDA, TELANGANA CUSTOMER: TELANGANA STATE POWER GENERATION CORPORATION LTD. (TSGENCO) CONSULTANT : TATA CONSULTING ENGINEERS LTD.							
SL NO	ITEM DESCRIPTION	QTY	UNIT	Weightage w.r.t Overall Price (In %)	Bidder confirmation (Quoted/ Not Quoted)	HSN/SAC Code	GST (%)
	Bidder's Name : <Bidder to indicate> Bidder's Offer No. & Dt. : <Bidder to indicate> Bidder's Ref No. & Dt. : <Bidder to indicate> BHEL Eng. No. & date : <Bidder to indicate>						
I	MAIN OFFER						
A	MATERIAL SUPPLY : Motor Driven Hydrant-Spray Pump Assembly [Material code: PY9751464013]						
A.1	Hydrant and Spray Pump without motor along with all accessories including commissioning spares, special tools & tackles as per specification.	5	Sets	30.37			
B	MATERIAL SUPPLY : Engine Driven Hydrant-Spray Pump Assembly [Material code: PY9751464021]						
B.1	Hydrant and Spray Pump with diesel engine along with all accessories including commissioning spares, special tools & tackles as per specification.	3	Sets	60.07			
C	MATERIAL SUPPLY: Mandatory spares for Motor/Engine driven Hydrant/Spray Pump Assembly [Material code: PY9751464064] Refer Note-14						
C.1	Pump-Mandatory spares for Hydrant and spray pump			9.3			
	i)	Set of Impellers	2	Sets			
	ii)	Set of Shafts	2	Sets			
	iii)	Casing wear rings	2	Sets			
	iv)	Impeller wear rings	2	Sets			
	v)	Shaft sleeves	2	Sets			
	vi)	Shaft Coupling	2	Sets			
	vii)	Shaft nut & key	2	Sets			
	viii)	Bearing	2	Sets			
C.2	Engine-Mandatory spares for Hydrant and spray pump						
	i)	Element for lub oil Filter	4	Nos			
	ii)	Element for Fuel Filter	4	Nos			
	iii)	Outer Element for Air cleaner	4	Nos			
	iv)	Inner Element for Air cleaner	4	Nos			
	v)	Turbo-charger	2	No			
	vi)	Engine - starter Motor	2	No			
	vii)	Injector	4	Nos			
	viii)	Piston rings & liner set	4	Set			
C.3	Panel -Mandatory spares for Hydrant and spray pump						
	i)	Push Button-Complete assembly [each color]	10 no per each color	Nos			
	ii)	Push Button-Contact Element (1NO + 1NC) Block	40	Nos			
	iii)	Selector Switch [each type and rating]	20	Nos			
	iv)	Voltmeter [each type & Rating]	Installed qty x 10 % x (2/5) or minimum 2 nos	No			
	v)	Ammeter [each type & Rating]	Installed qty x 10 % x (2/5) or minimum 2 nos	No			
	vi)	Frequency Meter [each type & Rating]	Installed qty x 10 % x (2/5) or minimum 2 nos	No			
	vii)	Indicating Lamps complete assembly [each Colour and type]	20 no per each color and type	Nos			
C.4	Instrumentation -Mandatory spares for Hydrant and spray pump						
	i)	Transmitters/ Gauges/Switches etc. along with relevant accessories	Installed qty x 10 % x (2/5) or minimum 2 nos	Nos			
	ii)	Temperature Element (RTD/Thermo-couple) with thermowell	Installed qty x 10 % x (2/5) or minimum 5 nos	Nos			
	iii)	Cables (Control & Instrumentation)	Installed qty x 10 % x (2/5)	Meter			
D	Supervision charges for erection & commissioning at site [Material code:PY9851464511]						
	Supervision charges for erection & commissioning shall include the following: 1. Per diem charge of for supervision of erection & commissioning of Pump/Motor/Diesel Engine/ etc. 2. Charges for 1 visit Note: The above shall also include all other expenses like boarding, lodging, local travel, insurance, travel expenses (inclusive of all other charges like visa fee (if applicable), insurance etc) from / to vendor works to site for Engineer. [Refer Note 11]			1 Day and 1 Visit	0.26		
	Grand total price for sl no A, B, C and D (Inclusive of Packing & Forwarding, Freight and Insurance)			100			
Packing & Forwarding, Freight, Insurance and GST :							
(A) For Supply:							
(i) Packing & Forwarding :	In bidder scope			Included in basic price			
(ii) Freight:	In bidder scope			Included in basic price			
(iii) Insurance:	In BHEL scope						
(iv) GST	Extra at actuals			Extra at actuals			
(v) Any other:	shall be included in basic price of pumps			Included in basic price			
(B) For supervision of E&C:							
(i) GST:	Extra at actuals			Extra at actuals			
(ii) Any other:	Included in basic price			Included in basic price			

SL NO	ITEM DESCRIPTION	QTY	UNIT	Weightage w.r.t Overall Price (In %)	Bidder confirmation (Quoted/ Not Quoted)	HSN/SAC Code	GST (%)
	Bidder's Name : <Bidder to indicate> Bidder's Offer No. & Dt. : <Bidder to indicate> Bidder's Ref No. & Dt. <Bidder to indicate> BHEL Enq. No. & date <Bidder to indicate>						
Notes:							
1) Bidders should quote the Total Bid Value in both in figures & words in the specified place.							
2) Bidders should mention the applicable HSN/SAC code along with GST% against respective line items.							
3) Bidders shall not fill/edit/modify anything else in the Price Bid Format.							
4) The rates of line items mentioned in the Price Format shall be derived by BHEL by multiplying the Total Bid Value quoted by the Bidder with the Weightage Factor assigned against respective line items. The rate of each item shall be rounded off to the next 1 (one) paisa.							
5) The Total Bid Value quoted by the Bidder shall represent the total landed cost for this enquiry and shall include Packing & Forwarding Charges, Freight & Insurance Charges, and all applicable taxes and duties, other than GST. GST shall be paid extra by BHEL at applicable rates.							
6) Evaluation shall be done on the basis of total bid value i.e. the total landed cost to BHEL for this enquiry. Loading (if applicable) shall be added to the Total Bid Value for evaluation purpose.							
7) The bidders will also provide un-priced price format strictly in the BHEL price format given above, in the techno commercial part of their offers. Bid will be rejected if any other price format is used. Both priced and un-priced price formats to be provided by the bidders shall be signed and stamped copies.							
8) Bidder to quote strictly as per BHEL's NIT requirements.							
9) Bidder to note that this is a LUMP SUM Turn-Key Order. However							
(a) Changes to the tender specification during execution of the project for successful operation of the system need to be carried out by bidder and commercial implications if any will be settled suitably.							
(b) Unit rates quoted by bidder shall be applicable for any changes in BOQ during detailed engineering stage.							
10) Main offer (Annexure-3A) consists of those items which will be part of main order after successful bidder is identified. Optional Items (Annexure-3A-I) consists of those items which need to be quoted by bidder but may or may not be ordered by BHEL. Bidders are instructed to provide the pricing details listed under Main offer and Optional items as per the prescribed format.							
11) Prices quoted by bidders for items under main offer : Sl. No.(A+B+C+D) will be considered for evaluation of lowest bidder.							
For the purpose of tender (L1 bidder evaluation) following shall be noted:							
Referring to Sl no D- Supervision charges for Pump/Motor/Engine, For the purpose of Quotation, total no of 1 man days for Pump/Motor/Engine will be covered in 1 visit have been considered and payment against Sl.No D above shall be made as per the actual number of visits and man days required for the supervision of the complete E&C activities as per these diem rates.							
Purchase Order for supply of main items, (A to C) shall be placed by BHEL- PE&SD Hyderabad. For Supervision of E&C, LOI shall be placed by PE&SD and PO By BHEL-Power sector region.							
However, BHEL reserves the right							
(a) To include any of the optional items in scope of supply (as per customer contract requirements) and accordingly consider the same in evaluation. Any such scope increase and change in evaluation will be intimated to vendor during technical evaluation(before price bid opening).							
(b) To place PO for any of the Optional items with in the contract period.							
Hence bidders need to mandatorily quote reasonable prices for all optional items considering such requirement and keep the validity of the prices till the end of contract period.							
12.a) For all items including Optional items, prices to be furnished in this prescribed price bid format only for each individual item. The price to be quoted against sl no A, B & C shall be Weightage w.r.t Overall Prices mentioned above. No combined prices, common prices or any other format will be accepted and such bids may be liable for rejection.							
12 b) Bidder must not change the indicated item description, quantity & units in the price bid format. Bidder should only fill the unit rates & total price.							
12 c) Bidder to quote for all the items as per price bid format. Incomplete/partial offer may be liable for rejection.							
13 a.) Commissioning spares are those spares which are required at the time of commissioning and shall be recommended (as per bidders experience) and quoted by bidder. However commissioning spares indicated in the price bid format shall be quoted as minimum.							
13.b) Commissioning spare consumed over and above the recommended commissioning spares, during commissioning shall be supplied free of cost by the equipment vendor.							
14)With respect to Mandatory Spares;							
A) If any of above items indicated by the specified name are not applicable, bidder to offer alternative item serving the same function as per equipment's design and indicate below the item being replaced.							
B) If bidder is not able to meet the above note, then bidder may mention "Not Applicable". However, if found applicable during detailed engg. stage or alternative item as per equipment design can serve the same function, bidder to supply the specified quantity with out any delivery and commercial implications to BHEL.							
15) Reference document: PY51464, R00 & annexures.							
16) Unpriced price bid format indicating as quoted against each applicable item shall be submitted duly signed & stamped along with technical offer by bidder as a token of concurrence that prices are submitted in this format only. The offer shall be liable for rejection in case if un-priced price bid format is not submitted or any modification is carried out in price bid format.							
17) In case the systems are being supplied from outside India , reputed Third Party Inspection like Llyods or equivalent has to be considered and the charges should be included in the Main offer. For those bidders who are supplying from India, such third party inspection charges need not be considered and same will be arranged by BHEL/BHEL nominated inspection agency.							

Annexure-3A-I						
 BHARAT HEAVY ELECTRICALS LIMITED PROJECT ENGINEERING & SYSTEMS DIVISION RAMACHANDRAPURAM: HYDERABAD - 502 032						
PRICE FORMAT (R00) FOR HYDRANT AND SPRAY PUMP WITH DRIVES (MOTOR & DIESEL ENGINE) PROJECT: 5X800 MW YADADRI THERMAL POWER STATION PROJECT, NALGONDA, TELANGANA CUSTOMER: TELANGANA STATE POWER GENERATION CORPORATION LTD. (TSGENCO) CONSULTANT : TATA CONSULTING ENGINEERS LTD.						
SL NO	ITEM DESCRIPTION	QTY	UNIT	Bidder confirmation (Quoted/ Not Quoted)	HSN/SAC Code	GST (%)
	Bidder's Name : <Bidder to indicate> Bidder's Offer No. & Dt. : <Bidder to indicate> Bidder's Ref No. & Dt. : <Bidder to indicate> BHEL Enq. No. & date : <Bidder to indicate>					
II	Optional Items	--	--			
	2 Years Recommended Spares					
	Recommended spares list for two years normal operation along with unit price breakup for Pump, Drives & other accessories. (List with price break up to be enclosed) (1 set stands for quantity required for the replacement of one pump, drive (or) accessories)	1 Set	Set			

Annexure-3B							
		BHARAT HEAVY ELECTRICALS LIMITED PROJECT ENGINEERING & SYSTEMS DIVISION RAMACHANDRAPURAM: HYDERABAD - 502 032					
		PRICE FORMAT (R00) FOR HYDRANT BOOSTER PUMP WITH DRIVES (MOTOR & DIESEL ENGINE) PROJECT: 5X800 MW YADADRI THERMAL POWER STATION PROJECT, NALGONDA, TELANGANA CUSTOMER: TELANGANA STATE POWER GENERATION CORPORATION LTD. (TSGENCO) CONSULTANT : TATA CONSULTING ENGINEERS LTD.					
SL NO	ITEM DESCRIPTION	QTY	UNIT	Weightage w.r.t Overall Price (In %)	Bidder confirmation (Quoted/ Not Quoted)	HSN/SAC Code	GST (%)
	Bidder's Name : <Bidder to indicate> Bidder's Offer No. & Dt. : <Bidder to indicate> Bidder's Ref No. & Dt. : <Bidder to indicate> BHEL Enq. No. & date : <Bidder to indicate>						
I	MAIN OFFER						
A	MATERIAL SUPPLY : Motor Driven Hydrant Booster Pump Assembly [Material code: PY9751464072]						
A.1	Hydrant Booster Pump with motor along with all accessories including commissioning spares, special tools & tackles as per specification.	1	Set	15.58			
B	MATERIAL SUPPLY : Engine Driven Hydrant-Spray Pump Assembly [Material code: PY9751464080]						
B.1	Hydrant Booster Pump with diesel engine along with all accessories including commissioning spares, special tools & tackles as per specification.	1	Set	43.8			
C	MATERIAL SUPPLY: Mandatory spares for Motor/Engine driven Hydrant Booster Pump Assembly [Material code: PY9751464137], Refer Note-14						
C.1	Pump-Mandatory spares for Hydrant Booster Pump			39.52			
	i) Set of Impellers	2	Sets				
	ii) Set of Shafts	2	Sets				
	iii) Casing wear rings	2	Sets				
	iv) Impeller wear rings	2	Sets				
	v) Shaft sleeves	2	Sets				
	vi) Shaft Coupling	2	Sets				
	vii) Shaft nut & key	2	Sets				
	viii) Bearing	2	Sets				
C.3-A	Motor-Mandatory spares for Hydrant Booster Pump [above 30 kW]						
	i) End Shield Cover Driving & Non-Driving End	2 Sets for each type and rating of Motor					
	ii) Driving End & Non-Driving End Bearing	2 Sets for each type and rating of Motor					
	iii) Cooling Fan	2 Nos. for each type and rating of Motor					
	iv) Motor Space Heater	2 Nos. for each type and rating of Motor					
	v) Motor Terminal Block	2 Nos. for each type and rating of Motor					
	vi) Complete Set of Coupling	2 Sets for each Application					
C.3-B	Motor-Mandatory spares for Hydrant Booster Pump [up to 30 kW]						
	i) Driving End & Non-Driving End Bearing	6 Sets for each type and rating of Motor					
	ii) Cooling Fan	4 Nos for each type and rating of Motor					
	iii) Motor Terminal Block	10 Nos for each type and rating of Motor					
	iv) Complete Set of Coupling	2 Sets for each Application					
C.3	Engine-Mandatory spares for Hydrant Booster Pump						
	i) Element for lub oil Filter	4	Nos				
	ii) Element for Fuel Filter	4	Nos				
	iii) Outer Element for Air cleaner	4	Nos				
	iv) Inner Element for Air cleaner	4	Nos				
	v) Turbo-charger	2	No				
	vi) Engine - starter Motor	2	No				
	vii) Injector	4	Nos				
	viii) Piston rings & liner set	4	Set				
C.3	Panel-Mandatory spares for Hydrant Booster Pump						
	i) Push Button-Complete assembly [each color]	10 no per each color	Nos				
	ii) Push Button-Contact Element (1NO + 1NC) Block	40	Nos				
	iii) Selector Switch [each type and rating]	20	Nos				
	iv) Voltmeter [each type & Rating]	Installed qty x 10 % x (2/5) or minimum 2 nos	No				
	v) Ammeter [each type & Rating]	Installed qty x 10 % x (2/5) or minimum 2 nos	No				
	vi) Frequency Meter [each type & Rating]	Installed qty x 10 % x (2/5) or minimum 2 nos	No				
	vii) Indicating Lamps complete assembly [each Colour and type]	20 no per each color and type	Nos				
C.4	Instrumentation-Mandatory spares for Hydrant Booster Pump						
	i) Transmitters/ Gauges/Switches etc. along with relevant accessories	Installed qty x 10 % x (2/5) or minimum 2 nos	Nos				
	ii) Temperature Element (RTD/Thermo-couple) with thermowell	Installed qty x 10 % x (2/5) or minimum 5 nos	Nos				
	iii) Cables (Control & Instrumentation)	Installed qty x 10 % x (2/5)	Meter				
D	Supervision charges for erection & commissioning at site [Material code:PV9851464520]						
	Supervision charges for erection & commissioning shall include the following: 1. Per diem charge of for supervision of erection & commissioning of Pump/Motor/Diesel Engine/ etc. 2. Charges for 1 visit Note: The above shall also include all other expenses like boarding, lodging, local travel, insurance, travel expenses (inclusive of all other charges like visa fee (if applicable), insurance etc) from /to vendor works to site for Engineer. [Refer Note 11]	1 Day and 1 Visit		1.1			
	Grand total price for sl no A, B, C and D (Inclusive of Packing & Forwarding, Freight and Insurance)			100			

SL NO	ITEM DESCRIPTION	QTY	UNIT	Weightage w.r.t Overall Price (In %)	Bidder confirmation (Quoted/ Not Quoted)	HSN/SAC Code	GST (%)
	Bidder's Name : <Bidder to indicate> Bidder's Offer No. & Dt. : <Bidder to indicate> Bidder's Ref No. & Dt. : <Bidder to indicate> BHEL Enq. No. & date : <Bidder to indicate>						
Packing & Forwarding, Freight, Insurance and GST :							
(A) For Supply:							
(i) Packing & Forwarding	In bidder scope			Included in basic price			
(ii) Freight:	In bidder scope			Included in basic price			
(iii) Insurance:	In BHEL scope			1			
(iv) GST	Extra at actuals			Extra at actuals			
(v) Any other:	shall be included in baise price of pumps			Included in basic price			
(B) For supervision of E&C:							
(i) GST:	Extra at actuals			Extra at actuals			
(ii) Any other:	Included in basic price			Included in basic price			
Notes:							
1) Bidders should quote the Total Bid Value in both in figures & words in the specified place.							
2) Bidders should mention the applicable HSN/SAC code along with GST1% against respective line items.							
3) Bidders shall not fill/edit/modify anything else in the Price Bid Format.							
4) The rates of line items mentioned in the Price Format shall be derived by BHEL by multiplying the Total Bid Value quoted by the Bidder with the Weightage Factor assigned against respective line items. The rate of each item shall be rounded off to the next 1 (one) paisa.							
5) The Total Bid Value quoted by the Bidder shall represent the total landed cost for this enquiry and shall include Packing & Forwarding Charges, Freight & Insurance Charges, and all applicable taxes and duties, other than GST. GST shall be paid extra by BHEL at applicable rates.							
6) Evaluation shall be done on the basis of total bid value i.e. the total landed cost to BHEL for this enquiry. Loading (if applicable) shall be added to the Total Bid Value for evaluation purpose.							
7) The bidders will also provide un-priced price format strictly in the BHEL price format given above, in the techno commercial part of their offers. Bid will be rejected if any other price format is used. Both priced and un-priced price formats to be provided by the bidders shall be signed and stamped copies.							
8) Bidder to quote strictly as per BHEL's NIT requirements.							
9) Bidder to note that this is a LUMP SUM Turn-Key Order. However							
(a) Changes to the tender specification during execution of the project for successful operation of the system need to be carried out by bidder and commercial implications if any will be settled suitably.							
(b) Unit rates quoted by bidder shall be applicable for any changes in BOQ during detailed engineering stage.							
10) Main offer (Annexure-3B) consists of those items which will be part of main order after successful bidder is identified. Optional Items (Annexure-3B-I) consists of those items which need to be quoted by bidder but may or may not be ordered by BHEL. Bidders are instructed to provide the pricing details listed under Main offer and Optional items as per the prescribed format.							
11) Prices quoted by bidders for items under main offer : Sl. No.(A+B+C+D) will be considered for evaluation of lowest bidder.							
For the purpose of tender (L1 bidder evaluation) following shall be noted:							
Referring to Sl no D- Supervision charges for Pump/Motor/Engine, For the purpose of Quotation, total no of 1 man days for Pump/Motor/Engine will be covered in 1 visit have been considered and payment against Sl.No D above shall be made as per the actual number of visits and man days required for the supervision of the complete E&C activities as per these diem rates.							
Purchase Order for supply of main items, (A to C) shall be placed by BHEL- PE&SD Hyderabad. For Supervision of E&C, LOI shall be placed by PE&SD and PO By BHEL-Power sector region.							
However, BHEL reserves the right							
(a) To include any of the optional items in scope of supply (as per customer contract requirements) and accordingly consider the same in evaluation. Any such scope increase and change in evaluation will be intimated to vendor during technical evaluation(before price bid opening).							
(b) To place PO for any of the Optional items with in the contract period.							
Hence bidders need to mandatorily quote reasonable prices for all optional items considering such requirement and keep the validity of the prices till the end of contract period.							
12.a) For all items including Optional items, prices to be furnished in this prescribed price bid format only for each individual item. The price to be quoted against sl no A, B & C shall be Weightage w.r.t Overall Prices mentioned above. No combined prices, common prices or any other format will be accepted and such bids may be liable for rejection.							
12 b) Bidder must not change the indicated item description, quantity & units in the price bid format. Bidder should only fill the unit rates & total price.							
12 c) Bidder to quote for all the items as per price bid format. Incomplete/partial offer may be liable for rejection.							
13 a.) Commissioning spares are those spares which are required at the time of commissioning and shall be recommended (as per bidders experience) and quoted by bidder. However commissioning spares indicated in the price bid format shall be quoted as minimum.							
13.b) Commissioning spare consumed over and above the recommended commissioning spares, during commissioning shall be supplied free of cost by the equipment vendor.							
14)With respect to Mandatory Spares;							
A) If any of above items indicated by the specified name are not applicable, bidder to offer alternative item serving the same function as per equipment's design and indicate below the item being replaced.							
B) If bidder is not able to meet the above note, then bidder may mention "Not Applicable". However, if found applicable during detailed engg. stage or alternative item as per equipment design can serve the same function, bidder to supply the specified quantity with any delivery and commercial implications to BHEL.							
15) Reference document: PY51464, R00 & annexures.							
16) Unpriced price bid format indicating as quoted against each applicable item shall be submitted duly signed & stamped along with technical offer by bidder as a token of concurrence that prices are submitted in this format only. The offer shall be liable for rejection in case if un-priced price bid format is not submitted or any modification is carried out in price bid format.							
17) In case the systems are being supplied from outside India, reputed Third Party Inspection like Llyods or equivalent has to be considered and the charges should be included in the Main offer. For those bidders who are supplying from India, such third party inspection charges need not be considered and same will be arranged by BHEL/BHEL nominated inspection agency.							

Annexure-3B-I						
		BHARAT HEAVY ELECTRICALS LIMITED PROJECT ENGINEERING & SYSTEMS DIVISION RAMACHANDRAPURAM: HYDERABAD - 502 032				
		PRICE FORMAT (R00) FOR HYDRANT BOOSTER PUMP WITH DRIVES (MOTOR & DIESEL ENGINE) PROJECT: 5X800 MW YADADRI THERMAL POWER STATION PROJECT, NALGONDA, TELANGANA CUSTOMER: TELANGANA STATE POWER GENERATION CORPORATION LTD. (TSGENCO) CONSULTANT : TATA CONSULTING ENGINEERS LTD.				
SL NO	ITEM DESCRIPTION	QTY	UNIT	Bidder confirmation (Quoted/ Not Quoted)	HSN/SAC Code	GST (%)
	Bidder's Name : <Bidder to indicate> Bidder's Offer No. & Dt. : <Bidder to indicate> Bidder's Ref No. & Dt. :<Bidder to indicate> BHEL Enq. No. & date :<Bidder to indicate>					
II	Optional Items	--	--			
	2 Years Recommended Spares					
	Recommended spares list for two years normal operation along with unit price breakup for Pump, Drives & other accessories. (List with price break up to be enclosed) (1 set stands for quantity required for the replacement of one pump, drive (or) accessories)	1 Set	Set			

Annexure-3C							
		BHARAT HEAVY ELECTRICALS LIMITED PROJECT ENGINEERING & SYSTEMS DIVISION RAMACHANDRAPURAM: HYDERABAD - 502 032					
PRICE FORMAT (R00) FOR SPRAY BOOSTER PUMP WITH DRIVES (MOTOR & DIESEL ENGINE) PROJECT: 5X800 MW YADADRI THERMAL POWER STATION PROJECT, NALGONDA, TELANGANA CUSTOMER: TELANGANA STATE POWER GENERATION CORPORATION LTD. (TSGENCO) CONSULTANT : TATA CONSULTING ENGINEERS LTD.							
SL NO	ITEM DESCRIPTION	QTY	UNIT	Weightage w.r.t Overall Price (In %)	Bidder confirmation (Quoted/ Not Quoted)	HSN/SAC Code	GST (%)
Bidder's Name : <Bidder to indicate> Bidder's Offer No. & Dt. : <Bidder to indicate> Bidder's Ref No. & Dt. : <Bidder to indicate> BHEL Enq. No. & date : <Bidder to indicate>							
I	MAIN OFFER						
A	MATERIAL SUPPLY : Motor Driven Spray Booster Pump Assembly [Material code: PY9751464145]						
A.1	Spray Booster Pump with motor along with all accessories including commissioning spares, special tools & tackles as per specification.	1	Sets	17.65			
B	MATERIAL SUPPLY : Engine Driven Spray-Spray Pump Assembly [Material code: PY9751464153]						
B.1	Spray Booster Pump with diesel engine along with all accessories including commissioning spares, special tools & tackles as per specification.	1	Sets	44.67			
C	MATERIAL SUPPLY: Mandatory spares for Motor/Engine driven Spray Booster Pump Assembly [Material code: PY9751464200] Refer Note-14						
C.1	Pump-Mandatory spares for Spray Booster Pump			36.81			
i)	Set of Impellers	2	Sets				
ii)	Set of Shafts	2	Sets				
iii)	Casing wear rings	2	Sets				
iv)	Impeller wear rings	2	Sets				
v)	Shaft sleeves	2	Sets				
vi)	Shaft Coupling	2	Sets				
vii)	Shaft nut & key	2	Sets				
viii)	Bearing	2	Sets				
C.3-A	Motor-Mandatory spares for Spray Booster Pump [above 30 kW]						
i)	End Shield Cover Driving & Non-Driving End	2 Sets for each type and rating of Motor					
ii)	Driving End & Non-Driving End Bearing	2 Sets for each type and rating of Motor					
iii)	Cooling Fan	2 Nos. for each type and rating of Motor					
iv)	Motor Space Heater	2 Nos. for each type and rating of Motor					
v)	Motor Terminal Block	2 Nos. for each type and rating of Motor					
vi)	Complete Set of Coupling	2 Sets for each Application					
C.3-B	Motor-Mandatory spares for Spray Booster Pump [up to 30 kW]						
i)	Driving End & Non-Driving End Bearing	6 Sets for each type and rating of Motor					
ii)	Cooling Fan	4 Nos for each type and rating of Motor					
iii)	Motor Terminal Block	10 Nos for each type and rating of Motor					
iv)	Complete Set of Coupling	2 Sets for each Application					
C.3	Engine-Mandatory spares for Spray Booster Pump						
i)	Element for lub oil Filter	4	Nos				
ii)	Element for Fuel Filter	4	Nos				
iii)	Outer Element for Air cleaner	4	Nos				
iv)	Inner Element for Air cleaner	4	Nos				
v)	Turbo-charger	2	No				
vi)	Engine - starter Motor	2	No				
vii)	Injector	4	Nos				
viii)	Piston rings & liner set	4	Set				
C.3	Panel-Mandatory spares for Spray Booster Pump						
i)	Push Button-Complete assembly [each color]	10 no per each color	Nos				
ii)	Push Button-Contact Element (1NO + 1NC) Block	40	Nos				
iii)	Selector Switch [each type and rating]	20	Nos				
iv)	Voltmeter [each type & Rating]	Installed qty x 10 % x (2/5) or minimum 2 nos	No				
v)	Ammeter [each type & Rating]	Installed qty x 10 % x (2/5) or minimum 2 nos	No				
vi)	Frequency Meter [each type & Rating]	Installed qty x 10 % x (2/5) or minimum 2 nos	No				
vii)	Indicating Lamps complete assembly [each Colour and type]	20 no per each color and type	Nos				
C.4	Instrumentation-Mandatory spares for Spray Booster Pump						
i)	Transmitters/ Gauges/Switches etc. along with relevant accessories	Installed qty x 10 % x (2/5) or minimum 2 nos	Nos				
ii)	Temperature Element (RTD/Thermo-couple) with thermowell	Installed qty x 10 % x (2/5) or minimum 5 nos	Nos				
iii)	Cables (Control & Instrumentation)	Installed qty x 10 % x (2/5)	Meter				
D	Supervision charges for erection & commissioning at site [Material code:PY9851464538]						
	Supervision charges for erection & commissioning shall include the following: 1. Per diem charge of for supervision of erection & commissioning of Pump/Motor/Diesel Engine/ etc. 2. Charges for 1 visit Note: The above shall also include all other expenses like boarding, lodging, local travel, insurance, travel expenses (inclusive of all other charges like visa fee (if applicable), insurance etc) from / to vendor works to site for Engineer. [Refer Note 11]	1 Day and 1 Visit		0.87			
Grand total price for sl no A, B, C and D (Inclusive of Packing & Forwarding, Freight and Insurance)				100			

SL NO	ITEM DESCRIPTION	QTY	UNIT	Weightage w.r.t Overall Price (In %)	Bidder confirmation (Quoted/ Not Quoted)	HSN/SAC Code	GST (%)
	Bidder's Name : <Bidder to indicate> Bidder's Offer No. & Dt. : <Bidder to indicate> Bidder's Ref No. & Dt. :<Bidder to indicate> BHEL Enq. No. & date :<Bidder to indicate>						
Packing & Forwarding, Freight, Insurance and GST :							
(A) For Supply:							
(i) Packing & Forwarding	In bidder scope			Included in basic price			
(ii) Frieght:	In bidder scope			Included in basic price			
(iii) Insurance:	In BHEL scope						
(iv) GST	Extra at actuals			Extra at actuals			
(v) Any other:	shall be included in baicse price of pumps			Included in basic price			
(B) For supervision of E&C:							
(i) GST:	Extra at actuals			Extra at actuals			
(ii) Any other:	Included in basic price			Included in basic price			
Notes:							
1) Bidders should quote the Total Bid Value in both in figures & words in the specified place.							
2) Bidders should mention the applicable HSN/SAC code along with GST% against respective line items.							
3) Bidders shall not fill/edit/modify anything else in the Price Bid Format.							
4) The rates of line items mentioned in the Price Format shall be derived by BHEL by multiplying the Total Bid Value quoted by the Bidder with the Weightage Factor assigned against respective line items. The rate of each item shall be rounded off to the next 1 (one) paisa.							
5) The Total Bid Value quoted by the Bidder shall represent the total landed cost for this enquiry and shall include Packing & Forwarding Charges, Freight & Insurance Charges, and all applicable taxes and duties, other than GST. GST shall be paid extra by BHEL at applicable rates.							
6) Evaluation shall be done on the basis of total bid value i.e. the total landed cost to BHEL for this enquiry. Loading (if applicable) shall be added to the Total Bid Value for evaluation purpose.							
7) The bidders will also provide un-priced price format strictly in the BHEL price format given above, in the techno commercial part of their offers. Bid will be rejected if any other price format is used. Both priced and un-priced price formats to be provided by the bidders shall be signed and stamped copies.							
8) Bidder to quote strictly as per BHEL's NIT requirements.							
9) Bidder to note that this is a LUMP SUM Turn-Key Order. However							
(a) Changes to the tender specification during execution of the project for successful operation of the system need to be carried out by bidder and commercial implications if any will be settled suitably.							
(b) Unit rates quoted by bidder shall be applicable for any changes in BOQ during detailed engineering stage.							
10) Main offer (Annexure-3B) consists of those items which will be part of main order after successful bidder is identified. Optional Items (Annexure-3B-I) consists of those items which need to be quoted by bidder but may or may not be ordered by BHEL. Bidders are instructed to provide the pricing details listed under Main offer and Optional items as per the prescribed format.							
11) Prices quoted by bidders for items under main offer : SL No.(A+B+C+D) will be considered for evaluation of lowest bidder.							
For the purpose of tender (L1 bidder evaluation) following shall be noted:							
Referring to Sl no D- Supervision charges for Pump/Motor/Engine, For the purpose of Quotation, total no of 1 man days for Pump/Motor/Engine will be covered in 1 visit have been considered and payment against Sl.No D above shall be made as per the actual number of visits and man days required for the supervision of the complete E&C activities as per these diem rates.							
Purchase Order for supply of main items, (A to C) shall be placed by BHEL- PE&SD Hyderabad. For Supervisionof E&C, LOI shall be placed by PE&SD and PO By BHEL-Power sector region.							
However, BHEL reserves the right							
(a) To include any of the optional items in scope of supply (as per customer contract requirements) and accordingly consider the same in evaluation. Any such scope increase and change in evaluation will be intimated to vendor during technical evaluation(before price bid opening).							
(b) To place PO for any of the Optional items with in the contract period.							
Hence bidders need to mandatorily quote reasonable prices for all optional items considering such requirement and keep the validity of the prices till the end of contract period.							
12.a) For all items including Optional items, prices to be furnished in this prescribed price bid format only for each individual item. The price to be quoted against sl no A, B & C shall be Weightage w.r.t Overall Prices mentioned above. No combined prices, common prices or any other format will be accepted and such bids may be liable for rejection.							
12 b) Bidder must not change the indicated item description, quantity & units in the price bid format. Bidder should only fill the unit rates & total price.							
12 c) Bidder to quote for all the items as per price bid format. Incomplete/partial offer may be liable for rejection.							
13 a.) Commissioning spares are those spares which are required at the time of commissioning and shall be recommended (as per bidders experience) and quoted by bidder. However commissioning spares indicated in the price bid format shall be quoted as minimum.							
13.b) Commissioning spare consumed over and above the recommended commissioning spares, during commissioning shall be supplied free of cost by the equipment vendor.							
14)With respect to Mandatory Spares;							
A) If any of above items indicated by the specified name are not applicable, bidder to offer alternative item serving the same function as per equipment's design and indicate below the item being replaced.							
B) If bidder is not able to meet the above note, then bidder may mention "Not Applicable". However, if found applicable during detailed engg. stage or alternative item as per equipment design can serve the same function, bidder to supply the specified quantity with out any delivery and commercial implications to BHEL.							
15) Reference document: PY51464, R00 & annexures.							
16) Unpriced price bid format indicating as quoted against each applicable item shall be submitted duly signed & stamped along with technical offer by bidder as a token of concurrence that prices are submitted in this format only. The offer shall be liable for rejection in case if un-priced price bid format is not submitted or any modification is carried out in price bid format.							
17) In case the systems are being supplied from outside India, reputed Third Party Inspection like Llyods or equivalent has to be considered and the charges should be included in the Main offer. For those bidders who are supplying from India, such third party inspection charges need not be considered and same will be arranged by BHEL/BHEL nominated inspection agency.							

Annexure-3C-I						
		BHARAT HEAVY ELECTRICALS LIMITED PROJECT ENGINEERING & SYSTEMS DIVISION RAMACHANDRAPURAM: HYDERABAD - 502 032				
		PRICE FORMAT (R00) FOR SPRAY BOOSTER PUMP WITH DRIVES (MOTOR & DIESEL ENGINE) PROJECT: 5X800 MW YADADRI THERMAL POWER STATION PROJECT, NALGONDA, TELANGANA CUSTOMER: TELANGANA STATE POWER GENERATION CORPORATION LTD. (TSGENCO) CONSULTANT : TATA CONSULTING ENGINEERS LTD.				
SL NO	ITEM DESCRIPTION	QTY	UNIT	Bidder confirmation (Quoted/ Not Quoted)	HSN/SAC Code	GST (%)
	Bidder's Name : <Bidder to indicate> Bidder's Offer No. & Dt. : <Bidder to indicate> Bidder's Ref No. & Dt. :<Bidder to indicate> BHEL Enq. No. & date :<Bidder to indicate>					
II	Optional Items	--	--			
	2 Years Recommended Spares					
	Recommended spares list for two years normal operation along with unit price breakup for Pump, Drives & other accessories. (List with price break up to be enclosed) (1 set stands for quantity required for the replacement of one pump, drive (or) accessories)	1 Set	Set			

Annexure-3D							
		BHARAT HEAVY ELECTRICALS LIMITED PROJECT ENGINEERING & SYSTEMS DIVISION RAMACHANDRAPURAM: HYDERABAD - 502 032					
PRICE FORMAT (R00) FOR JOCKEY PUMP WITH DRIVES (MOTOR) PROJECT: 5X800 MW YADADRI THERMAL POWER STATION PROJECT, NALGONDA, TELANGANA CUSTOMER: TELANGANA STATE POWER GENERATION CORPORATION LTD. (TSGENCO) CONSULTANT : TATA CONSULTING ENGINEERS LTD.							
SL NO	ITEM DESCRIPTION	QTY	UNIT	Weightage w.r.t Overall Price (In %)	Bidder confirmation (Quoted/ Not Quoted)	HSN/SAC Code	GST (%)
Bidder's Name : <Bidder to indicate> Bidder's Offer No. & Dt. : <Bidder to indicate> Bidder's Ref No. & Dt. : <Bidder to indicate> BHEL Eng. No. & date : <Bidder to indicate>							
I MAIN OFFER							
A MATERIAL SUPPLY : Motor Driven Jockey Pump Assembly [Material code: PY9751464218]							
	Jockey Pump with motor along with all accessories including commissioning spares, special tools & tackles as per specification.	2	Sets	73.68			
B MATERIAL SUPPLY: Mandatory spares for Motor driven Jockey Pump Assembly [Material code: PY9751464250] Refer Note-14							
B.1	Pump-Mandatory spares for Jockey Pump			23.93			
i)	Set of Impellers	2	Sets				
ii)	Set of Shafts	2	Sets				
iii)	Casing wear rings	2	Sets				
iv)	Impeller wear rings	2	Sets				
v)	Shaft sleeves	2	Sets				
vi)	Shaft Coupling	2	Sets				
vii)	Shaft nut & key	2	Sets				
viii)	Bearing	2	Sets				
B.2-A Motor-Mandatory spares for Jockey Pump [above 30 kW]							
i)	End Shield Cover Driving & Non-Driving End	2	Sets for each type and rating of Motor				
ii)	Driving End & Non-Driving End Bearing	2	Sets for each type and rating of Motor				
iii)	Cooling Fan	2	Nos. for each type and rating of Motor				
iv)	Motor Space Heater	2	Nos. for each type and rating of Motor				
v)	Motor Terminal Block	2	Nos. for each type and rating of Motor				
vi)	Complete Set of Coupling	2	Sets for each Application				
B.2-B Motor-Mandatory spares for Jockey Pump [up to 30 kW]							
i)	Driving End & Non-Driving End Bearing	6	Sets for each type and rating of Motor				
ii)	Cooling Fan	4	Nos for each type and rating of Motor				
iii)	Motor Terminal Block	10	Nos for each type and rating of Motor				
iv)	Complete Set of Coupling	2	Sets for each Application				
C Supervision charges for erection & commissioning at site [Material code:PY9851464546]							
	Supervision charges for erection & commissioning shall include the following: 1. Per diem charge of for supervision of erection & commissioning of Pump/Motor etc. 2. Charges for 1 visit Note: The above shall also include all other expenses like boarding, lodging, local travel, insurance, travel expenses (inclusive of all other charges like visa fee (if applicable), insurance etc) from / to vendor works to site for Engineer. [Refer Note 11]		1 Day and 1 Visit	2.39			
Grand total price for sl no A, B and C (Inclusive of Packing & Forwarding, Freight and Insurance)				100			
Packing & Forwarding, Freight, Insurance and GST :							
(A) For Supply:							
(i) Packing & Forwarding	In bidder scope			Included in basic price			
(ii) Freight:	In bidder scope			Included in basic price			
(iii) Insurance:	In BHEL scope						
(iv) GST	Extra at actuals			Extra at actuals			
(v) Any other:	shall be included in basic price of pumps			Included in basic price			
(B) For supervision of E&C:							
(i) GST:	Extra at actuals			Extra at actuals			
(ii) Any other:	Included in basic price			Included in basic price			
Notes:							
1) Bidders should quote the Total Bid Value in both in figures & words in the specified place.							
2) Bidders should mention the applicable HSN/SAC code along with GST% against respective line items.							
3) Bidders shall not fill/edit/modify anything else in the Price Bid Format.							
4) The rates of line items mentioned in the Price Format shall be derived by BHEL by multiplying the Total Bid Value quoted by the Bidder with the Weightage Factor assigned against respective line items. The rate of each item shall be rounded off to the next 1 (one) paisa.							
5) The Total Bid Value quoted by the Bidder shall represent the total landed cost for this enquiry and shall include Packing & Forwarding Charges, Freight & Insurance Charges, and all applicable taxes and duties, other than GST. GST shall be paid extra by BHEL at applicable rates.							
6) Evaluation shall be done on the basis of total bid value i.e. the total landed cost to BHEL for this enquiry. Loading (if applicable) shall be added to the Total Bid Value for evaluation purpose.							
7) The bidders will also provide un-priced price format strictly in the BHEL price format given above, in the techno commercial part of their offers. Bid will be rejected if any other price format is used. Both priced and un-priced price formats to be provided by the bidders shall be signed and stamped copies.							
8) Bidder to quote strictly as per BHEL's NIT requirements.							
9) Bidder to note that this is a LUMP SUM Turn-Key Order. However (a) Changes to the tender specification during execution of the project for successful operation of the system need to be carried out by bidder and commercial implications if any will be settled suitably. (b) Unit rates quoted by bidder shall be applicable for any changes in BOQ during detailed engineering stage.							
10) Main offer (Annexure-3B) consists of those items which will be part of main order after successful bidder is identified. Optional Items (Annexure-3B-I) consists of those items which need to be quoted by bidder but may or may not be ordered by BHEL. Bidders are instructed to provide the pricing details listed under Main offer and Optional items as per the prescribed format.							
11) Prices quoted by bidders for items under main offer : Sl. No.I(A+B+C+D) will be considered for evaluation of lowest bidder. For the purpose of tender (L1 bidder evaluation) following shall be noted: Referring to Sl no D- Supervision charges for Pump/Motor etc, For the purpose of Quotation, total no of 1 man days for Pump/Motor etc will be covered in 1 visit have been considered and payment against Sl.No D above shall be made as per the actual number of visits and man days required for the supervision of the complete E&C activities as per these diem rates. Purchase Order for supply of main items, (A to C) shall be placed by BHEL- PE&SD Hyderabad. For Supervision of E&C, LOI shall be placed by PE&SD and PO By BHEL-Power sector region. However, BHEL reserves the right (a) To include any of the optional items in scope of supply (as per customer contract requirements) and accordingly consider the same in evaluation. Any such scope increase and change in evaluation will be intimated to vendor during technical evaluation(before price bid opening). (b) To place PO for any of the Optional items with in the contract period. Hence bidders need to mandatorily quote reasonable prices for all optional items considering such requirement and keep the validity of the prices till the end of contract period.							

SL NO	ITEM DESCRIPTION	QTY	UNIT	Weightage w.r.t Overall Price (In %)	Bidder confirmation (Quoted/ Not Quoted)	HSN/SAC Code	GST (%)
	Bidder's Name : <Bidder to indicate> Bidder's Offer No. & Dt. : <Bidder to indicate> Bidder's Ref No. & Dt. : <Bidder to indicate> BHEL Enq. No. & date <Bidder to indicate>						
	12.a) For all items including Optional items, prices to be furnished in this prescribed price bid format only for each individual item. The price to be quoted against sl no A, B & C shall be Weightage w.r.t Overall Prices mentioned above. No combined prices, common prices or any other format will be accepted and such bids may be liable for rejection. 12 b) Bidder must not change the indicated item description, quantity & units in the price bid format. Bidder should only fill the unit rates & total price. 12 c) Bidder to quote for all the items as per price bid format. Incomplete/partial offer may be liable for rejection.						
	13 a.) Commissioning spares are those spares which are required at the time of commissioning and shall be recommended (as per bidders experience) and quoted by bidder. However commissioning spares indicated in the price bid format shall be quoted as minimum. 13.b) Commissioning spare consumed over and above the recommended commissioning spares, during commissioning shall be supplied free of cost by the equipment vendor.						
	14)With respect to Mandatory Spares; A) If any of above items indicated by the specified name are not applicable, bidder to offer alternative item serving the same function as per equipment's design and indicate below the item being replaced. B) If bidder is not able to meet the above note, then bidder may mention "Not Applicable". However, if found applicable during detailed engg. stage or alternative item as per equipment design can serve the same function, bidder to supply the specified quantity with out any delivery and commercial implications to BHEL.						
	15) Reference document: PY51464, R00 & annexures.						
	16) Unpriced price bid format indicating as quoted against each applicable item shall be submitted duly signed & stamped along with technical offer by bidder as a token of concurrence that prices are submitted in this format only. The offer shall be liable for rejection in case if un-priced price bid format is not submitted or any modification is carried out in price bid format.						
	17) In case the systems are being supplied from outside India , reputed Third Party Inspection like Llyods or equivalent has to be considered and the charges should be included in the Main offer. For those bidders who are supplying from India, such third party inspection charges need not be considered and same will be arranged by BHEL/BHEL nominated inspection agency.						

Annexure-3D-I						
		BHARAT HEAVY ELECTRICALS LIMITED PROJECT ENGINEERING & SYSTEMS DIVISION RAMACHANDRAPURAM: HYDERABAD - 502 032				
		PRICE FORMAT (R00) FOR JOCKEY PUMP WITH DRIVES (MOTOR) PROJECT: 5X800 MW YADADRI THERMAL POWER STATION PROJECT, NALGONDA, TELANGANA CUSTOMER: TELANGANA STATE POWER GENERATION CORPORATION LTD. (TSGENCO) CONSULTANT : TATA CONSULTING ENGINEERS LTD.				
SL NO	ITEM DESCRIPTION	QTY	UNIT	Bidder confirmation (Quoted/ Not Quoted)	HSN/SAC Code	GST (%)
	Bidder's Name : <Bidder to indicate> Bidder's Offer No. & Dt. : <Bidder to indicate> Bidder's Ref No. & Dt. : <Bidder to indicate> BHEL Enq. No. & date : <Bidder to indicate>					
II	Optional Items	--	--			
	2 Years Recommended Spares					
	Recommended spares list for two years normal operation along with unit price breakup for Pump, Drives & other accessories. (List with price break up to be enclosed) (1 set stands for quantity required for the replacement of one pump, drive (or) accessories)	1 Set	Set			