

Annexure-4A

 BHARAT HEAVY ELECTRICALS LIMITED PROJECT ENGINEERING & SYSTEMS DIVISION					
PRICE FORMAT (R00) FOR HYDRANT AND SPRAY WATER PUMP WITH DRIVES (MOTOR & DIESEL ENGINE)[Annexure-4A to Doc. No.PY-51497] FOR PROJECT: 2 X 660 MW TANGEDCO UDANGUDI STPP, STAGE-1 CUSTOMER: TAMILNADU GENERATION AND DISTRIBUTION CORPORATION CONSULTANT: FICHTNER CONSULTING ENGINEERS (INDIA) PRIVATE LIMITED CHENNAI, INDIA					
SL NO	ITEM DESCRIPTION	QTY	UNIT	UNIT RATE (RS.)	TOTAL (RS.)
Bidder's Name : <Bidder to indicate>					
I	MAIN OFFER				
A	MATERIAL SUPPLY: HYDRANT-SPRAY WATER PUMP WITH MOTOR				
A.1	Hydrant water Pump along with drive motor assembly complete with all accessories as per specification. HT Motors are excluded from Bidder Scope of Supply.	3	Set		
A.2	Spray water Pump along with drive motor assembly complete with all accessories as per specification - HT Motor is excluded from Bidder Scope of Supply.	1	Set		
A.3	Commissioning Spares-Hydrant water Pump				
	Commissioning spares as per manufacturer's recommendation. Minimum 1 Set of O rings & gaskets, for each pump & 1 Set of Commissioning spares for drive as per Manufacturer recommendation. 1 set stands for requirement for one no. of pump/drive assembly Bidder to furnish the list along with the offer. (Ref. Note-7) Commissioning Spares for HT Motors are excluded from Bidder Scope of Supply.	3	Set		
A.4	Commissioning Spares-Spray water Pump				
	Commissioning spares as per manufacturer's recommendation. Minimum 1 Set of O rings & gaskets, for each pump & 1 Set of Commissioning spares for drive as per Manufacturer recommendation. 1 set stands for requirement for one no. of pump/drive assembly Bidder to furnish the list along with the offer. (Ref. Note-7) Commissioning Spares for HT Motor is excluded from Bidder Scope of Supply.	1	Set		
B	MATERIAL SUPPLY: HYDRANT-SPRAY WATER PUMP WITH DIESEL ENGINE				
B.1	Hydrant water pump along with Diesel Engine Complete with all accessories as per specification.	2	Set		
B.2	Spray water pump along with Diesel Engine Complete with all accessories as per specification.	1	Set		
B.3	Commissioning spares-Hydrant water Pump				
	Commissioning spares as per manufacturer's recommendation. Minimum 1 Set of O rings & gaskets, for each pump & 1 Set of Commissioning spares for drive as per Manufacturer recommendation. 1 set stands for requirement for one no. of pump/drive assembly Bidder to furnish the list along with the offer. (Ref. Note-7)	2	Set		
B.4	Commissioning spares-Spray water Pump				

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SL NO	ITEM DESCRIPTION	QTY	UNIT	UNIT RATE (RS.)	TOTAL (RS.)
Bidder's Name : <Bidder to indicate>					
	Commissioning spares as per manufacturer's recommendation. Minimum 1 Set of O rings & gaskets, for each pump & 1 Set of Commissioning spares for drive as per Manufacturer recommendation. 1 set stands for requirement for one no. of pump/drive assembly Bidder to furnish the list along with the offer. (Ref. Note-7)	1	Set		
C	Special tools & tackles				
C.1	Special tools & tackles for Pump and Motor				
	Special tools & tackles as per manufacturer's recommendations. 1 set stands for requirement for each pump, drive and other accessories. Bidder to furnish the list along with offer. Special Tools and Tackles for HT Motors are excluded from Bidder Scope of Supply.	1	Set		
C.2	Special tools & tackles for Pump and Diesel Engine				
	Special tools & tackles as per manufacture recommendations. 1 set standas for requirement for each pump, drive and other accessories. Bidder to furnish the list along with offer.	1	Set		
D	MANDATORY SPARES: COMMON FOR HYDRANT AND SPRAY PUMPS Note:Prices for individual items to be quoted as indicated in the price bid format.[Refer Note 8]				
D.1	For Hydrant & Spray Pump:				
1	IMPELLER	1 NO. OF EACH TYPE AND SIZE	No.		
2	PUMP BEARINGS	1 NO. OF EACH TYPE AND SIZE	No.		
3	PUMP SHAFT	1 NO. OF EACH TYPE AND SIZE	No.		
4	BEARING RINGS(IF APPLICABLE)	2 SET. OF EACH TYPE AND SIZE	Sets		
5	SHAFT SLEEVES	2 SET. OF EACH TYPE AND SIZE	Sets		
6	BUSHINGS	2 SET. OF EACH TYPE AND SIZE	Sets		
7	BEARING HOUSING (IF PROVIDED)	2 SET. OF EACH TYPE AND SIZE	Sets		
8	COUPLING AND NUTS (WITH BUSHES)	2 SET. OF EACH TYPE AND SIZE	Sets		
D.2	For Diesel Engine of Hydrant & Spray Pump:				
1	FUEL INJECTION NOZZLE	2 SET. OF EACH TYPE AND SIZE	Sets		

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SL NO	ITEM DESCRIPTION	QTY	UNIT	UNIT RATE (RS.)	TOTAL (RS.)
Bidder's Name : <Bidder to indicate>					
2	PISTON RING	1 COMPLETE SET FOR EACH CYLINDER.	Set		
3	FUEL FILTERS ELEMENTS AND SEALS	2 SETS	Sets		
4	LUBRICATING OIL FILTER ELEMENTS & SEALS	2 SETS	Sets		
5	ENGINE JOINTS, GASKETS AND HOSES	1 SETS	Set		
6	INLET VALVE	1 NO.	No.		
II	Optional Items	--	--		
E	Supervision charges for erection & commissioning at site				
E.1	Per diem rate for the supervision of Erection & commissioning of Hydrant-Spray Pump [Refer Note 12]	14	Days		
E.2	Travel expenses (inclusive of all other charges like visa fee (if applicable), insurance etc) from / to vendor works to site for Engineer per visit for supervision of erection & commissioning of Hydrant-spray Pump [Refer Note 12]	7	Visit		
E.3	Per diem rate for the supervision of Erection & commissioning of Diesel engine of Hydrant-Spray Pump(Diesel Engine driven) [Refer Note 12]	6	Days		
E.4	Travel expenses (inclusive of all other charges like visa fee (if applicable), insurance etc) from / to vendor works to site for Engineer per visit for supervision of erection & commissioning of Diesel Engine for Hydrant-Spray(Diesel Enginedriven) [Refer Note 12]	3	Visit		
F	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)	As per List	Set		
	TOTAL				

Notes:

- 1) Bidder to quote strictly as per BHEL's NIT requirements.
- 2) ~~Bidder to note that this is a LUMP-SUM Turn-Key Order. However~~
- 3) **Main offer** consists of those items which will be part of main order after successful bidder is identified. **Optional Items** consists
- 4) Prices quoted by bidders for items under **main offer : Sl. No. I [A to D]** will be considered for evaluation of lowest
- 5.a) For all items including Optional items, prices to be furnished in this prescribed price bid format only for each individual item. No
- 6) Bidder to quote the base rates only. All other commercial charges for packing, freight, transportation, insurance, taxes & duties
- 7 a.) Commissioning spares are those spares which are required at the time of commissioning and shall be recommended(as per
- 8)With respect to Mandatory Spares;
- 9) Reference document: BHEL Specification PY51497 R00 & all its annexures.
- 10) Unpriced price bid format indicating as quoted against each applicable item shall be submitted duly signed & stamped along
- 11) **In case the systems are being supplied from outside India**, reputed Third Party Inspection like Llyods or equivalent has to be
- 12) With respect to Supervision charges,Optional prices to be quoted by bidder & the same shall be considered for L1 bidder

Annexure-4B

	BHARAT HEAVY ELECTRICALS LIMITED R.C.PURAM, HYDERABAD-502032				
PROJECT ENGINEERING & SYSTEMS DIVISION					
PRICE FORMAT (R00) FOR JOCKEY PUMP WITH DRIVE MOTOR [Annexure-4B to Doc. No.PY-51497] FOR PROJECT: 2 X 660 MW TANGEDCO UDANGUDI STPP, STAGE-1 CUSTOMER: TAMILNADU GENERATION AND DISTRIBUTIION CORPORATION CONSULTANT: FICHTNER CONSULTING ENGINEERS (INDIA) PRIVATE LIMITED CHENNAI, INDIA					
SL NO	ITEM DESCRIPTION	QTY	UNIT	UNIT RATE (RS.)	TOTAL (RS.)
Bidder's Name : <Bidder to indicate>					
I	MAIN OFFER				
A	MATERIAL SUPPLY: JOCKEY PUMP WITH DRIVE MOTOR				
A.1	Jockey Pump along with drive motor assembly complete with all accessories as per specification.	2	Set		
A.2	Commissioning spares				
	Commissioning spares as per manufacturer's recommendation. Minimum 1 Set of O rings & gaskets, for each pump & 1 Set of Comissioning spares for drive as per Manufacturer recommendation. 1 set stands for requirement for one no. of pump and drive assembly Bidder to furnish the list along with the offer. (Ref. Note-7)	2	Set		
B	NIL				
C	Special tools & tackles				
C.1	Special tools & tackles for Pump and Motor				
	Special tools & tackles as per manufacture recommendations. 1 set stands for requirement for each pump, drive and other accessories. Bidder to furnish the list along with offer.	1	Set		
D	MANDATORY SPARES: Note:Prices for individual items to be quoted as indicated in the price bid format.[Refer Note 8]				
D.1	For Jockey Pump:				
1	IMPELLER	1 NO. OF EACH TYPE AND SIZE	No.		
2	PUMP BEARINGS	1 NO. OF EACH TYPE AND SIZE	No.		
3	PUMP SHAFT	1 NO. OF EACH TYPE AND SIZE	No.		
4	BEARING RINGS(IF APPLICABLE)	2 SET. OF EACH TYPE AND SIZE	Sets		
5	SHAFT SLEEVES	2 SET. OF EACH TYPE AND SIZE	Sets		
6	BUSHINGS	2 SET. OF EACH TYPE AND SIZE	Sets		
7	BEARING HOUSING (IF PROVIDED)	2 SET. OF EACH TYPE AND SIZE	Sets		
8	COUPLING AND NUTS (WITH BUSHES)	2 SET. OF EACH TYPE AND SIZE	Sets		
II	Optional Items				
E	Supervison charges for erection & commissioning at site				
E.1	Per diem rate for the supervision of Erection & commissioning of Jockey Pump [Refer Note 12]	4	Days		

Annexure-4B

	BHARAT HEAVY ELECTRICALS LIMITED R.C.PURAM, HYDERABAD-502032				
PROJECT ENGINEERING & SYSTEMS DIVISION					
PRICE FORMAT (R00) FOR JOCKEY PUMP WITH DRIVE MOTOR [Annexure-4B to Doc. No.PY-51497] FOR PROJECT: 2 X 660 MW TANGEDCO UDANGUDI STPP, STAGE-1 CUSTOMER: TAMILNADU GENERATION AND DISTRIBUTION CORPORATION CONSULTANT: FICHTNER CONSULTING ENGINEERS (INDIA) PRIVATE LIMITED CHENNAI, INDIA					
SL NO	ITEM DESCRIPTION	QTY	UNIT	UNIT RATE (RS.)	TOTAL (RS.)
Bidder's Name : <Bidder to indicate>					
E.2	Travel expenses (inclusive of all other charges like visa fee (if applicable), insurance etc) from / to vendor works to site for Engineer per visit for supervision of erection & commissioning of Jockey Pump [Refer Note 12]	1	Visit		
G	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)	As per List	Set		
	TOTAL				
Notes:					
1) Bidder to quote strictly as per BHEL's NIT requirements.					
2) 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.					
3) Main offer consists of those items which will be part of main order after successful bidder is identified. Optional Items 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.					
4) Prices quoted by bidders for items under main offer : Sl. No. I [A to D] will be considered for evaluation of lowest bidder. 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.					
5.a) For all items including Optional items, prices to be furnished in this prescribed price bid format only for each individual item. No combined prices, common prices or any other format will be accepted and such bids may be liable for rejection. 5.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. 5.c) Bidder to quote for all the items as per price bid format. Incomplete/partial offer may be liable for rejection.					
6) Bidder to quote the base rates only. All other commercial charges for packing, freight, transportation, insurance, taxes & duties etc., shall be indicated separately.					
7 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. 7.b) Commissioning spare consumed over and above the recommended commissioning spares, during commissioning shall be supplied free of cost by the equipment vendor.					

Annexure-4B

	BHARAT HEAVY ELECTRICALS LIMITED R.C.PURAM, HYDERABAD-502032				
PROJECT ENGINEERING & SYSTEMS DIVISION					
PRICE FORMAT (R00) FOR JOCKEY PUMP WITH DRIVE MOTOR [Annexure-4B to Doc. No.PY-51497] FOR PROJECT: 2 X 660 MW TANGEDCO UDANGUDI STPP, STAGE-1 CUSTOMER: TAMILNADU GENERATION AND DISTRIBUTION CORPORATION CONSULTANT: FICHTNER CONSULTING ENGINEERS (INDIA) PRIVATE LIMITED CHENNAI, INDIA					
SL NO	ITEM DESCRIPTION	QTY	UNIT	UNIT RATE (RS.)	TOTAL (RS.)
Bidder's Name : <Bidder to indicate>					
8) 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.					
9) Reference document: BHEL Specification PY51497 R00 & all its annexures.					
10) 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.					
11) 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.					
12) With respect to Supervision charges, Optional prices to be quoted by bidder but may or may not be ordered by BHEL. Referring to Sl no E.1 TO E.2, Jockey pump, For the purpose of Quotation, total no of 2 man days for Pump will be covered in 1 visit [1 visit for each pump] have been considered. payment against Sl.No E.1 TO E.2 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. Referring to Sl no E.3 TO E.4, Motor , For the purpose of Quotation, total no of 2 man days for Motor will be covered in 1 visit [1 visit for each motor] have been considered. Payment against Sl.No E.3 TO E.4 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—					

Annexure-4C

	BHARAT HEAVY ELECTRICALS LIMITED R.C.PURAM, HYDERABAD-502032				
	PROJECT ENGINEERING & SYSTEMS DIVISION				
	PRICE FORMAT (R00) FOR BOOSTER PUMP WITH DRIVES (MOTOR & DIESEL ENGINE)[Annexure-4C to Doc. No.PY-51497] FOR PROJECT: 2 X 660 MW TANGEDCO UDANGUDI STPP, STAGE-1 CUSTOMER: TAMILNADU GENERATION AND DISTRIBUTION CORPORATION CONSULTANT: FICHTNER CONSULTING ENGINEERS (INDIA) PRIVATE LIMITED CHENNAI, INDIA				
SL NO	ITEM DESCRIPTION	QTY	UNIT	UNIT RATE (RS.)	TOTAL (RS.)
	Bidder's Name : <Bidder to indicate>				
I	MAIN OFFER				
A	MATERIAL SUPPLY: BOOSTER PUMP WITH MOTOR				
A.1	Booster Pump along with drive motor assembly complete with all accessories as per specification.	1	Set		
A.2	Commissioning Spares - Booster Pump with motor				
	Commissioning spares as per manufacturer's recommendation. Minimum 1 Set of O rings & gaskets, for each pump & 1 Set of Commissioning spares for drive as per Manufacturer recommendation. 1 set stands for requirement for one no. of pump and drive assembly Bidder to furnish the list along with the offer. (Ref. Note 7)	1	Set		
B	MATERIAL SUPPLY: BOOSTER PUMP WITH DIESEL ENGINE				
B.1	Booster pump along with Diesel Engine Complete with all accessories as per specification.	1	Set		
B.3	Commissioning Spares - Booster Pump with motor				
	Commissioning spares as per manufacturer's recommendation. Minimum 1 Set of O rings & gaskets, for each pump & 1 Set of Commissioning spares for drive as per Manufacturer recommendation. 1 set stands for requirement for one no. of pump and drive assembly Bidder to furnish the list along with the offer. (Ref. Note 7)	1	Set		
C	Special tools & tackles				
C.1	Special tools & tackles for Pump and Motor				
	Special tools & tackles as per manufacture recommendations. 1 set stands for requirement for each pump, drive and other accessories. Bidder to furnish the list along with offer.	1	Set		
C.2	Special tools & tackles for Pump and Diesel Engine				
	Special tools & tackles as per manufacture recommendations. 1 set standas for requirement for each pump, drive and other accessories. Bidder to furnish the list along with offer.	1	Set		
D	MANDATORY SPARES: Note:Prices for individual items to be quoted as indicated in the price bid format.[Refer Note 8]				
D.1	For Booster Pump:				
1	IMPELLER	1 NO. OF EACH TYPE AND SIZE	No.		
2	PUMP BEARINGS	1 NO. OF EACH TYPE AND SIZE	No.		
3	PUMP SHAFT	1 NO. OF EACH TYPE AND SIZE	No.		
4	BEARING RINGS(IF APPLICABLE)	2 SET. OF EACH TYPE AND SIZE	Sets		
5	SHAFT SLEEVES	2 SET. OF EACH TYPE AND SIZE	Sets		
6	BUSHINGS	2 SET. OF EACH TYPE AND SIZE	Sets		
7	BEARING HOUSING (IF PROVIDED)	2 SET. OF EACH TYPE AND SIZE	Sets		
8	COUPLING AND NUTS (WITH BUSHES)	2 SET. OF EACH TYPE AND SIZE	Sets		
D.2	For Diesel Engine of Booster Pump:				
1	FUEL INJECTION NOZZLE	2 SET. OF EACH TYPE AND SIZE	Sets		
2	PISTON RING	1 COMPLETE SET FOR EACH CYLINDER.	Set		
3	FUEL FILTERS ELEMENTS AND SEALS	2 SETS	Sets		
4	LUBRICATING OIL FILTER ELEMENTS & SEALS	2 SETS	Sets		

Annexure-4C

	BHARAT HEAVY ELECTRICALS LIMITED R.C.PURAM, HYDERABAD-502032				
PROJECT ENGINEERING & SYSTEMS DIVISION					
PRICE FORMAT (R00) FOR BOOSTER PUMP WITH DRIVES (MOTOR & DIESEL ENGINE)[Annexure-4C to Doc. No.PY-51497] FOR PROJECT: 2 X 660 MW TANGEDCO UDANGUDI STPP, STAGE-1 CUSTOMER: TAMILNADU GENERATION AND DISTRIBUTION CORPORATION CONSULTANT: FICHTNER CONSULTING ENGINEERS (INDIA) PRIVATE LIMITED CHENNAI, INDIA					
SL NO	ITEM DESCRIPTION	QTY	UNIT	UNIT RATE (RS.)	TOTAL (RS.)
Bidder's Name : <Bidder to indicate>					
5	ENGINE JOINTS, GASKETS AND HOSES	1 SETS	Set		
6	INLET VALVE	1 NO.	No.		
II	Optional Items	--	--		
E	Supervision charges for erection & commissioning at site				
E.1	Per diem rate for the supervision of Erection & commissioning of Booster Pump [Refer Note 12]	2	Days		
E.2	Travel expenses (inclusive of all other charges like visa fee (if applicable), insurance etc) from / to vendor works to site for Engineer per visit for supervision of erection & commissioning of Booster Pump [Refer Note 12]	1	Visit		
E.3	Per diem rate for the supervision of Erection & commissioning of Motor for Booster Pump [Motor driven] [Refer Note 10]	2	Days		
E.4	Travel expenses (inclusive of all other charges like visa fee (if applicable), insurance etc) from / to vendor works to site for Engineer per visit for supervision of erection & commissioning of Motor for Booster Pump [Motor driven] [Refer Note 12]	1	Visit		
E.5	Per diem rate for the supervision of Erection & commissioning of Diesel engine of Booster Pump (Diesel Engine driven) [Refer Note 12]	2	Days		
E.6	Travel expenses (inclusive of all other charges like visa fee (if applicable), insurance etc) from / to vendor works to site for Engineer per visit for supervision of erection & commissioning of Diesel Engine for Booster (Diesel Engine driven) [Refer Note 12]	1	Visit		
F	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)	As per List	Set		
TOTAL					
Notes: 1) Bidder to quote strictly as per BHEL's NIT requirements. 2) Bidder to note that this is a LUMP SUM Turn-Key Order. However 3) Main offer consists of those items which will be part of main order after successful bidder is identified. Optional Items 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. 4) Prices quoted by bidders for items under main offer : Sl. No. I [A to D] will be considered for evaluation of lowest bidder. 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. 5.a) For all items including Optional items, prices to be furnished in this prescribed price bid format only for each individual item. No combined prices, common prices or any other format will be accepted and such bids may be liable for rejection. 5.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. 5.c) Bidder to quote for all the items as per price bid format. Incomplete/partial offer may be liable for rejection. 6) Bidder to quote the base rates only. All other commercial charges for packing, freight, transportation, insurance, taxes & duties etc., shall be indicated separately. 7 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. 7.b) Commissioning spare consumed over and above the recommended commissioning spares, during commissioning shall be supplied free of cost by the equipment vendor. 8) 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 9) Reference document: BHEL Specification PY51497 R00 & all its annexures.					

Annexure-4C

	BHARAT HEAVY ELECTRICALS LIMITED R.C.PURAM, HYDERABAD-502032				
PROJECT ENGINEERING & SYSTEMS DIVISION					
PRICE FORMAT (R00) FOR BOOSTER PUMP WITH DRIVES (MOTOR & DIESEL ENGINE)[Annexure-4C to Doc. No.PY-51497] FOR PROJECT: 2 X 660 MW TANGEDCO UDANGUDI STPP, STAGE-1 CUSTOMER: TAMILNADU GENERATION AND DISTRIBUTION CORPORATION CONSULTANT: FICHTNER CONSULTING ENGINEERS (INDIA) PRIVATE LIMITED CHENNAI, INDIA					
SL NO	ITEM DESCRIPTION	QTY	UNIT	UNIT RATE (RS.)	TOTAL (RS.)
Bidder's Name : <Bidder to indicate>					
10) 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.					
11) 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.					
12) With respect to Supervision charges, Optional prices to be quoted by bidder & the same shall be considered for L1 bidder evaluation. Referring to Sl no E.1 TO E.2, Booster pump, For the purpose of Quotation, total no of 2 man days for Pump will be covered in 1 visit [1 visit for each pump] have been considered. payment against Sl.No E.1 TO E.2 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. Referring to Sl no E.3 TO E.4, Motor , For the purpose of Quotation, total no of 2 man days for Motor will be covered in 1 visit [1 visit for each motor] have been considered. Payment against Sl.No E.3 TO E.4 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. Referring to Sl no E.5 TO E.6, Diesel Engine , For the purpose of Quotation, total no of 2 man days for Diesel Engine will be covered in 1 visit [1 visit for each Diesel Engine] have been considered. Payment against Sl.No E.5 TO E.6 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 D) shall be placed by BHEL-Hyderabad. For Supervision of E&C, LOI shall be placed by PE&SD and PO By BHEL-					

Annexure-4D

	BHARAT HEAVY ELECTRICALS LIMITED R.C.PURAM, HYDERABAD-502032				
	PROJECT ENGINEERING & SYSTEMS DIVISION				
	PRICE FORMAT (R00) FOR SEA WATER INTAKE PUMP WITH DIESEL ENGINE DRIVE (DIESEL ENGINE)[Annexure-4D to Doc. No.PY-51495] FOR PROJECT: 2 X 660 MW TANGEDCO UDANGUDI STPP, STAGE-1 CUSTOMER: TAMILNADU GENERATION AND DISTRIBUTION CORPORATION CONSULTANT: FICHTNER CONSULTING ENGINEERS (INDIA) PRIVATE LIMITED CHENNAI, INDIA				
SL NO	ITEM DESCRIPTION	QTY	UNIT	UNIT RATE (RS.)	TOTAL (RS.)
	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 [Note:Prices for individual items to be quoted as indicated in the price bid format.]				
A	MATERIAL SUPPLY: SEA WATER INTAKE PUMP WITH DIESEL ENGINE DRIVE				
A.1	Sea Water Intake Pump(Vertical) along with Diesel Engine Complete with all accessories as per specification.	1	Set		
A.2	Commissioning Spares-Sea Water Intake Pump(Vertical)				
	Commissioning spares as per manufacturer's recommendation. Minimum 1 Set of O rings & gaskets, for each pump & 1 Set of Commissioning spares for drive as per Manufacturer recommendation. 1 set stands for requirement for one no. of pump/drive assembly Bidder to furnish the list along with the offer. (Ref. Note-7)	1	Set		
B	Special tools & tackles				
B.1	Special tools & tackles for Pump and Diesel Engine				
	Special tools & tackles as per manufacture recommendations. 1 set standas for requirement for each pump, drive and other accessories. Bidder to furnish the list along with offer.	1	Set		
C	MANDATORY SPARES: Note:Prices for individual items to be quoted as indicated in the price bid format.[Refer Note 8]				
C.1	For Sea Water Intake Pump:				
1	IMPELLER	1 NO. OF EACH TYPE AND SIZE	No.		
2	PUMP BEARINGS	1 NO. OF EACH TYPE AND SIZE	No.		
3	PUMP SHAFT	1 NO. OF EACH TYPE AND SIZE	No.		
4	BEARING RINGS(IF APPLICABLE)	2 SET. OF EACH TYPE AND SIZE	Sets		
5	SHAFT SLEEVES	2 SET. OF EACH TYPE AND SIZE	Sets		
6	BUSHINGS	2 SET. OF EACH TYPE AND SIZE	Sets		
7	BEARING HOUSING (IF PROVIDED)	2 SET. OF EACH TYPE AND SIZE	Sets		
8	COUPLING AND NUTS (WITH BUSHES)	2 SET. OF EACH TYPE AND SIZE	Sets		
C.2	For Diesel Engine of Sea Water Intake Pump:				
1	FUEL INJECTION NOZZLE	2 SET. OF EACH TYPE AND SIZE	Sets		
2	PISTON RING	1 COMPLETE SET FOR EACH CYLINDER.	Set		
3	FUEL FILTERS ELEMENTS AND SEALS	2 SETS	Sets		
4	LUBRICATING OIL FILTER ELEMENTS & SEALS	2 SETS	Sets		
5	ENGINE JOINTS, GASKETS AND HOSES	1 SETS	Set		
6	INLET VALVE	1 NO.	No.		
II	Optional Items				
E	Supervision charges for erection & commissioning at site				
E.1	Per diem rate for the supervision of Erection & commissioning of Sea Water Intake Pump [Refer Note 12]	2	Days		

Annexure-4D

 BHARAT HEAVY ELECTRICALS LIMITED R.C.PURAM, HYDERABAD-502032					
PROJECT ENGINEERING & SYSTEMS DIVISION					
PRICE FORMAT (R00) FOR SEA WATER INTAKE PUMP WITH DIESEL ENGINE DRIVE (DIESEL ENGINE)[Annexure-4D to Doc. No.PY-51495] FOR PROJECT: 2 X 660 MW TANGEDCO UDANGUDI STPP, STAGE-1 CUSTOMER: TAMILNADU GENERATION AND DISTRIBUTION CORPORATION CONSULTANT: FICHTNER CONSULTING ENGINEERS (INDIA) PRIVATE LIMITED CHENNAI, INDIA					
SL NO	ITEM DESCRIPTION	QTY	UNIT	UNIT RATE (RS.)	TOTAL (RS.)
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>					
E.2	Travel expenses (inclusive of all other charges like visa fee (if applicable), insurance etc) from / to vendor works to site for Engineer per visit for supervision of erection & commissioning of Sea Water Intake Pump [Refer Note 12]	1	Visit		
E.3	Per diem rate for the supervision of Erection & commissioning of Diesel engine of Sea Water Intake Pump(Diesel Engine driven) [Refer Note 12]	2	Days		
E.4	Travel expenses (inclusive of all other charges like visa fee (if applicable), insurance etc) from / to vendor works to site for Engineer per visit for supervision of erection & commissioning of Diesel Engine for Sea Water Intake Pump(Diesel Engine driven) [Refer Note 12]	1	Visit		
F	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)	As per List	Set		
TOTAL					
Notes:					
1) Bidder to quote strictly as per BHEL's NIT requirements.					
2) 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.					
3) Main offer consists of those items which will be part of main order after successful bidder is identified. Optional Items 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.					
4) Prices quoted by bidders for items under main offer : Sl. No. I [A to C] will be considered for evaluation of lowest bidder. 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.					
5.a) For all items including Optional items, prices to be furnished in this prescribed price bid format only for each individual item. No combined prices, common prices or any other format will be accepted and such bids may be liable for rejection. 5.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. 5.c) Bidder to quote for all the items as per price bid format. Incomplete/partial offer may be liable for rejection.					
6) Bidder to quote the base rates only. All other commercial charges for packing, freight, transportation, insurance, taxes & duties etc., shall be indicated separately.					
7 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. 7.b) Commissioning spare consumed over and above the recommended commissioning spares, during commissioning shall be supplied free of cost by the equipment vendor.					

Annexure-4D

	BHARAT HEAVY ELECTRICALS LIMITED R.C.PURAM, HYDERABAD-502032				
PROJECT ENGINEERING & SYSTEMS DIVISION					
PRICE FORMAT (R00) FOR SEA WATER INTAKE PUMP WITH DIESEL ENGINE DRIVE (DIESEL ENGINE)[Annexure-4D to Doc. No.PY-51495] FOR PROJECT: 2 X 660 MW TANGEDCO UDANGUDI STPP, STAGE-1 CUSTOMER: TAMILNADU GENERATION AND DISTRIBUTION CORPORATION CONSULTANT: FICHTNER CONSULTING ENGINEERS (INDIA) PRIVATE LIMITED CHENNAI, INDIA					
SL NO	ITEM DESCRIPTION	QTY	UNIT	UNIT RATE (RS.)	TOTAL (RS.)
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>					
8)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.					
9) Reference document: BHEL Specification PY51495 R00 & all its annexures.					
10) 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.					
11) 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.					
12) With respect to Supervision charges,Optional prices to be quoted by bidder & the same shall be considered for L1 bidder evaluation. Referring to SI no E.1 TO E.2, Sea Water Intake Pump, For the purpose of Quotation, total no of 12 man days for Pump will be covered in 6 visits [1 visit for each pump] have been considered. Payment against SI.No E.1 TO E.2 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. Referring to SI no E.3 TO E.4, Diesel Engine , For the purpose of Quotation, total no of 6 man days for Diesel Engine will be covered in 3 visits [1 visit for each Diesel Engine] have been considered. Payment against SI.No E.3 TO E.4 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-Hyderabad. For Supervision of E&C,LOI shall be placed by PE&SD- and PO By BHEL-PSSR.					