

ESP-001- 2A Rev.00		PROJECT ENGINEERING & SYSTEMS DIVISION			Std. / Doc. Number
					Annexure-4
					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-4 Price Bid Format
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Revisions: Refer to record of revisions	Prepared by :	Checked by :	Approved by :	Date :
	Rajeev Jain	Girish Prasad Palo	Siva Prasad Babu	16.04.18

	BHARAT HEAVY ELECTRICALS LIMITED R.C.PURAM, HYDERABAD-502032				
	PROJECT ENGINEERING & SYSTEMS DIVISION				
	PRICE FORMAT (R00) FOR HRSG BFP ASSEMBLY WITHOUT ELECTRIC DRIVE MOTOR CUSTOMER: HINDUSTAN PETROLEUM CORPORATION LIMITED, VIZAG PROJECT: CAPTIVE POWER PLANT(CPP) PACKAGE, VISAKH REFINERY MODERNIZATION PROJECT (VRMP),JOB No. B016 CONSULTANT:ENGINEERS INDIA LIMITED (EIL), NEW DELHI				
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: BFP WITH DRIVE ASSEMBLY				
A.1	Horizontal, centrifugal, multi stage, Barrel casing design pump 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 assembly, and 1 sets of spare strainer elements for each pump 1 set stands for requirement for one no. of pump assembly Bidder to furnish the list along with the offer. (Ref. Note-7)	2	Set		
A.3	Special tools & tackles				
	Special tools & tackles as per manufacture's recommendations. 1 set standas for requirement for each pump, drive and other accessories. Bidder to furnish the list along with offer.	1	Set		
A.4	MANDATORY SPARES:(Ref. Note-8) Note:Prices for individual items to be quoted as indicated in the price bid format.				
A.4.1	Pump:				
	a) Pump Element Assembly including dynamically balanced rotor	1	Set of Each Type		
	b) Mechanical Seal	1	Set of Each Type		
	c) Bearings	1	Set of Each Type		
	d) O Rings/Packing/Gaskets	1	Set of Each Type		
	e) Bearing Isolator	1	Set of Each Type		
	f) Transmission Unit Including Coupling Hub Bolts	1	Set of Each Type		
A.4.2	Instruments				
	a) Pressure Gauges-10% (Subject to min. of 2 Nos) of each model, range, material of construction and rating, whichever is higher.	10%	(Subject to min. of 2 Nos)		
	b) Temperature Gauges-5% (Subject to min. of 1 No) of each model, range, material of construction and rating, whichever is higher.	5%	(Subject to min. of 1 No)		
	c) SMART & FF Transmitters for Pressure, Flow (DP), Level (DP) and temperature etc	10%	(subject to minimum of 1 No)		
	d) Level Gauges:				
	i) For transparent gauges, 10% of illuminators with holder and reflector and 50% of bulbs		As indicated		
	ii) In case of magnetic type level gauges, 10% of bi-color rollers for each gauge to be provided in addition to above.		10% of each type		
	iii) 10% subject to minimum one number of glass of each type, size along with pair of Gaskets(Cushion & Wet Gaskets), whichever is higher.		10% (Subject to min. of 1 No.)		
	iv) 10% subject to minimum one number of Gaskets for Gauge Cocks/Valves Bonnet/Packing.		10% (Subject to min. of 1 No.)		
	e) Radar / Guided wave Radar / Ultrasonic instrument				
	i) 10% Sensor/Antenna (Subject to minimum -1) for each type range and make, whichever is higher.		10% (Subject to min. of 1 No.)		
	ii) 10% (Subject to minimum of 1) number Electronic assembly with head for each type, range and make, whichever is higher		10% (Subject to min. of 1 No.)		
	f) Skin Type Thermocouple-10% (subject to minimum of 1 no) of each length & type of skin Thermocouple, whichever is higher.		10% (Subject to min. of 1 No.)		
	g) RTDs-10% (subject to minimum of 1 No) of each length of RTD with Thermowell, whichever is higher.		10% (Subject to min. of 1 No.)		
	h) Thermowell-5% (subject to minimum of 1 no) for each type, length of Special MOC.		5% (Subject to min. of 1 No.)		
	i) Temperature Elements-10% (subject to minimum of 1 no) of each model, range, length and make of Thermocouple whichever is higher.		10% (Subject to min. of 1 No.)		
	j) Control Valves & on/off valves				
	i) 10% or Minimum 1 No of each type, size, rating of Trim set consisting of seat, seat ring / seal ring, plug with stem, cage (wherever applicable).		10% (Subject to min. of 1 No.)		
	ii) 10% (subject to minimum of 2) of Each type of Positioners (FF or Smart) with links of each type and make, whichever is higher.		10% (Subject to min. of 2No.)		
	iii) 10% (subject to minimum of 2) of limit switch box, SOV of each type and make		10% (Subject to min. of 2No.)		
	iv) 10% (subject to minimum of 2) of Air filter regulators along with gauges of each type, whichever is higher		10% (Subject to min. of 2No.)		

	BHARAT HEAVY ELECTRICALS LIMITED R.C.PURAM, HYDERABAD-502032				
	PROJECT ENGINEERING & SYSTEMS DIVISION PRICE FORMAT (R00) FOR HRSG BFP ASSEMBLY WITHOUT ELECTRIC DRIVE MOTOR CUSTOMER: HINDUSTAN PETROLEUM CORPORATION LIMITED, VIZAG PROJECT: CAPTIVE POWER PLANT(CPP) PACKAGE, VISAKH REFINERY MODERNIZATION PROJECT (VRMP),JOB No. B016 CONSULTANT:ENGINEERS INDIA LIMITED (EIL), NEW DELHI				
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 Eng. No. & date :<Bidder to indicate>				
v)	10% (subject to minimum of 1) of Partial stroke testing device with link of each type and make	10% (Subject to min. of 1 No.)			
vi)	10% (subject to minimum of 12) of Bonnet Gaskets/gland packing, piston O-rings, bearing & liner (of butterfly valves) for all types of valves)	10% (Subject to min. of 12 Nos.)			
vii)	10% (subject to minimum of 1) of any special accessories provided along with the control valve like boosters , position transmitters (wherever applicable), proximity switches, I/P converters,quick exhaust valves, temp dependent fuses etc. whichever is higher.	10% (Subject to min. of 1 No.)			
viii)	10% (subject to minimum 1) of Actuator diaphragm.	10% (Subject to min. of 1 No.)			
ix)	10% (subject to minimum 1) Actuator spare kit for Piston Operated Valve.	10% (Subject to min. of 1 No.)			
x)	I/P converter - 10% or minimum 1 no.	10% (Subject to min. of 1 No.)			
k)	Pressure control Valve(Self actuating valve) –Manufactured outside India				
i)	10% (subject to minimum 1) Repair kit consisting of(orifice, plug, spring, gasket, diaphragm, O-ring for each type, size & rating of the valve.	10% (Subject to min. of 1 No.)			
ii)	Minimum 1 no of each type/ size, rating etc. of Trim set consisting of seat, seat ring / seal ring, plug with stem, cage (wherever applicable).Packing material for each valve to be provided as spare	10% (Subject to min. of 1 No.)			
A.4.3	Miscellaneous Equipment				
A.4.3.1	Heat Exchangers/Coolers				
i)	Gaskets	400% of Each Type			
ii)	Bolting (stud & nuts)	20% (Minimum 4 sets)			
iii)	Laniflex sealing strips	100% of Each Type			
iv)	Ferrules	20% of Each Type			
A.4.3.2	Pressure Vessel & Tanks				
i)	Bolting for each nozzle with blind/companion flange and for each pad nozzle	10% (Minimum 4 sets)			
ii)	Gaskets for each nozzle with blind/companion flange and for each pad nozzle	200% of Each Type			
iii)	Bolting for internal flanges	10% (Minimum 2 sets)			
iv)	Gasket for each internal flange	200% of Each Type			
v)	Sight/light glasses assembly complete with bolting and gasket	400 % of Each Type			
A.4.3.3	Filter/Strainer				
i)	Gaskets/O-rings	Two sets of each size and type			
ii)	Filter element along with mounting nut, bolt and washer	1 Complete Set			
iii)	Fasteners	10% (Min 2 nos.) of each type and size			
A.4.3.4	Electric Heater				
i)	Gaskets 400% gaskets for all girth flanges (heater flanges), interconnected nozzles and nozzles with blind flanges, etc.	400% of Each Type			
ii)	Bolting (stud & nuts)	20% studs and nuts but not less than 4 studs			
iii)	Heating Element	20% heating elements (minimum 1) shall be in-built & electrically not connected.			
iv)	Copper Links	10% copper links for connection to bus bars complete with bolts/nuts (minimum 2)			
II	Optional Items	--	--		
A.1	Supervision charges for erection & commissioning at site	--	--		
a	Travel expenses from vendor works to site and back per visit /person	--	--		
b	Per day charges per person for supervision of erection & commissioning at site including boarding, lodging, local transportation etc., except for travel expenses as above	--	--		
A.2	2 Years Recommended Spares				
	Recommended spares list for two years normal operation along with unit price breakup for Pump, Drive & 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		

		BHARAT HEAVY ELECTRICALS LIMITED R.C.PURAM, HYDERABAD-502032			
PROJECT ENGINEERING & SYSTEMS DIVISION					
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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>				
	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 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 Doc. No. PY51336R00 & 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.					

	BHARAT HEAVY ELECTRICALS LIMITED R.C.PURAM, HYDERABAD-502032				
	PROJECT ENGINEERING & SYSTEMS DIVISION				
	PRICE FORMAT (R00) FOR VHP BFP ASSEMBLY WITHOUT ELECTRIC DRIVE MOTOR CUSTOMER: HINDUSTAN PETROLEUM CORPORATION LIMITED, VIZAG PROJECT: CAPTIVE POWER PLANT(CPP) PACKAGE, VISAKH REFINERY MODERNIZATION PROJECT (VRMP), JOB No B016 CONSULTANT: ENGINEERS INDIA LIMITED (EIL), NEW DELHI				
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 Eng. 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: VHP BFP WITHOUT DRIVE ASSEMBLY				
A.1	Horizontal, centrifugal, multi stage, Barrel casing design pump 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 assembly, and 1 sets of spare strainer elements for each pump 1 set stands for requirement for one no. of pump assembly Bidder to furnish the list along with the offer. (Ref. Note-7)	2	Set		
A.3	Special tools & tackles				
	Special tools & tackles as per manufacture's recommendations. 1 set standas for requirement for each pump, drive and other accessories. Bidder to furnish the list along with offer.	1	Set		
A.4	MANDATORY SPARES:(Ref. Note-8) Note: Prices for individual items to be quoted as indicated in the price bid format.				
A.4.1	Pump:				
a)	Pump Element Assembly including dynamically balanced rotor	1	Set of Each Type		
b)	Mechanical Seal	1	Set of Each Type		
c)	Bearings	1	Set of Each Type		
d)	O Rings/Packing/Gaskets	1	Set of Each Type		
e)	Bearing Isolator	1	Set of Each Type		
f)	Transmission Unit Including Coupling Hub Bolts	1	Set of Each Type		
A.4.2	Instruments				
a)	Pressure Gauges-10% (Subject to min. of 2 Nos) of each model, range, material of construction and rating, whichever is higher.	10%	(Subject to min. of 2 Nos)		
b)	Temperature Gauges-5% (Subject to min. of 1 No) of each model, range, material of construction and rating, whichever is higher.	5%	(Subject to min. of 1 No)		
c)	SMART & I/T Transmitters for Pressure, Flow (DP), Level (DP) and temperature etc	10%	(subject to minimum of 1 No)		
d)	Level Gauges:				
i)	For transparent gauges, 10% of illuminators with holder and reflector and 50% of bulbs	As indicated			
ii)	In case of magnetic type level gauges, 10% of bi-color rollers for each gauge to be provided in addition to above.	10%	of each type		
iii)	10% subject to minimum one number of glass of each type, size along with pair of Gaskets (Cushion & Wet Gaskets), whichever is higher.	10%	(Subject to min. of 1 No.)		
iv)	10% subject to minimum one number of Gaskets for Gauge Cocks/Valves Bonnet/Packing.	10%	(Subject to min. of 1 No.)		
e)	Radar / Guided wave Radar / Ultrasonic instrument				
i)	10% Sensor/Antenna (Subject to minimum -1) for each type range and make, whichever is higher.	10%	(Subject to min. of 1 No.)		
ii)	10% (Subject to minimum of 1) number Electronic assembly with head for each type, range and make, whichever is higher	10%	(Subject to min. of 1 No.)		
f)	Skin Type Thermocouple-10% (subject to minimum of 1 no) of each length & type of skin Thermocouple, whichever is higher.	10%	(Subject to min. of 1 No.)		
g)	RTDs-10% (subject to minimum of 1 No) of each length of RTD with Thermowell, whichever is higher.	10%	(Subject to min. of 1 No.)		
h)	Thermowell-5% (subject to minimum of 1 no) for each type, length of Special MOC.	5%	(Subject to min. of 1 No.)		
i)	Temperature Elements-10% (subject to minimum of 1 no) of each model, range, length and make of Thermocouple whichever is higher.	10%	(Subject to min. of 1 No.)		
j)	Control Valves & on/off valves				
i)	10% or Minimum 1 No of each type, size, rating of Trim set consisting of seat, seat ring / seal ring, plug with stem, cage (wherever applicable).	10%	(Subject to min. of 1 No.)		
ii)	10% (subject to minimum of 2) of Each type of Positioners (FF or Smart) with links of each type and make, whichever is higher.	10%	(Subject to min. of 2 No.)		
iii)	10% (subject to minimum of 2) of limit switch box, SOV of each type and make	10%	(Subject to min. of 2 No.)		
iv)	10% (subject to minimum of 2) of Air filter regulators along with gauges of each type, whichever is higher	10%	(Subject to min. of 2 No.)		
v)	10% (subject to minimum of 1) of Partial stroke testing device with link of each type and make	10%	(Subject to min. of 1 No.)		

	BHARAT HEAVY ELECTRICALS LIMITED R.C.PURAM, HYDERABAD-502032				
	PROJECT ENGINEERING & SYSTEMS DIVISION				
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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 Eng. No. & date : <Bidder to indicate>				
vi)	10% (subject to minimum of 12) of Bonnet Gaskets/gland packing, piston O-rings, bearing & liner (of butterfly valves) for all types of valves)	10% (Subject to min. of 12 Nos.)			
vii)	10% (subject to minimum of 1) of any special accessories provided along with the control valve like boosters, position transmitters (wherever applicable), proximity switches, I/P converters, quick exhaust valves, temp dependent fuses etc. whichever is higher.	10% (Subject to min. of 1 No.)			
viii)	10% (subject to minimum 1) of Actuator diaphragm.	10% (Subject to min. of 1 No.)			
ix)	10% (subject to minimum 1) Actuator spare kit for Piston Operated Valve.	10% (Subject to min. of 1 No.)			
x)	I/P converter - 10% or minimum 1 no.	10% (Subject to min. of 1 No.)			
k)	Pressure control Valve(Self actuating valve) – Manufactured outside India				
i)	10% (subject to minimum 1) Repair kit consisting of(orifice, plug, spring, gasket, diaphragm, O-ring for each type, size & rating of the valve.	10% (Subject to min. of 1 No.)			
ii)	Minimum 1 no of each type/ size, rating etc. of Trim set consisting of seat, seat ring / seal ring, plug with stem, cage (wherever applicable). Packing material for each valve to be provided as spare	10% (Subject to min. of 1 No.)			
A.4.3	Miscellaneous Equipment				
A.4.3.1	Heat Exchangers/Coolers				
i)	Gaskets	400% of Each Type			
ii)	Bolting (stud & nuts)	20% (Minimum 4 sets)			
iii)	Lamiflex sealing strips	100% of Each Type			
iv)	Ferrules	20% of Each Type			
A.4.3.2	Pressure Vessel & Tanks				
i)	Bolting for each nozzle with blind/companion flange and for each pad nozzle	10% (Minimum 4 sets)			
ii)	Gaskets for each nozzle with blind/companion flange and for each pad nozzle	200% of Each Type			
iii)	Bolting for internal flanges	10% (Minimum 2 sets)			
iv)	Gasket for each internal flange	200% of Each Type			
v)	Sight/light glasses assembly complete with bolting and gasket	400 % of Each Type			
A.4.3.3	Filter/Strainer				
i)	Gaskets/O-rings	Two sets of each size and type			
ii)	Filter element along with mounting nut, bolt and washer	1 Complete Set			
iii)	Fasteners	10% (Min 2 nos.) of each type and size			
A.4.3.4	Electric Heater				
i)	Gaskets 400% gaskets for all girth flanges (heater flanges), interconnected nozzles and nozzles with blind flanges, etc.	400% of Each Type			
ii)	Bolting (stud & nuts)	20% studs and nuts but not less than 4 studs			
iii)	Heating Element	20% heating elements (minimum 1) shall be in-built & electrically not connected.			
iv)	Copper Links	10% copper links for connection to bus bars complete with bolts/nuts (minimum 2)			
II	Optional Items	--	--		
A.1	Supervision charges for erection & commissioning at site	--	--		
a	Travel expenses from vendor works to site and back per visit /person	--	--		
b	Per day charges per person for supervision of erection & commissioning at site including boarding, lodging, local transportation etc., except for travel expenses as above	--	--		
A.2	2 Years Recommended Spares				
	Recommended spares list for two years normal operation along with unit price breakup for Pump, Drive & 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:

	BHARAT HEAVY ELECTRICALS LIMITED R.C.PURAM, HYDERABAD-502032				
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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>					
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 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 evalution 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 Doc. No. PY51336R00 & 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.					

	BHARAT HEAVY ELECTRICALS LIMITED R.C.PURAM, HYDERABAD-502032				
	PROJECT ENGINEERING & SYSTEMS DIVISION				
	PRICE FORMAT (R00) FOR MP BFP ASSEMBLY WITH ELECTRIC DRIVE MOTOR CUSTOMER: HINDUSTAN PETROLEUM CORPORATION LIMITED,VIZAG PROJECT: CAPTIVE POWER PLANT(CPP) PACKAGE, VISAKH REFINERY MODERNIZATION PROJECT (VRMP),JOB No. B016 CONSULTANT:ENGINEERS INDIA LIMITED (EIL), NEW DELHI				
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 Eng. 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: MP BFP WITH DRIVE ASSEMBLY				
A.1	Horizontal, centrifugal, multi stage, Barrel casing design pump along with Drive Assembly and required accessories 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 & Drive assembly, and 1 sets of spare strainer elements for each pump 1 set stands for requirement for one no. of pump assembly. Commissioning Spare for Motor to be considered as per manufacturer recommendation. Bidder to furnish the list along with the offer (Ref. Note-7)	2	Set		
A.3	Special tools & tackles				
	Special tools & tackles as per manufacture's recommendations. 1 set standas for requirement for each pump, drive and other accessories. Bidder to furnish the list along with offer.	1	Set		
A.4	MANDATORY SPARES:(Ref. Note-8) Note:Prices for individual items to be quoted as indicated in the price bid format.				
A.4.1	Pump:				
a)	Pump Element Assembly including dynamically balanced rotor	1	Set of Each Type		
b)	Mechanical Seal	1	Set of Each Type		
c)	Bearings	1	Set of Each Type		
d)	O Rings/Packing/Gaskets	1	Set of Each Type		
e)	Bearing Isolator	1	Set of Each Type		
f)	Transmission Unit Including Coupling Hub Bolts	1	Set of Each Type		
A.4.2	Motor:				
a)	Bearing(DE+NDE)	1	Set of Each Type		
b)	Terminal/Bushing	1	Set of Each Type		
A.4.3	Instruments				
a)	Pressure Gauges-10% (Subject to min. of 2 Nos) of each model, range, material of construction and rating, whichever is higher.	10%	(Subject to min. of 2 Nos)		
b)	Temperature Gauges-5% (Subject to min. of 1 No) of each model, range, material of construction and rating, whichever is higher.	5%	(Subject to min. of 1 No)		
c)	SMART & FF Transmitters for Pressure, Flow (DP), Level (DP) and temperature etc	10%	(subject to minimum of 1 No)		
d)	Skin Type Thermocouple-10% (subject to minimum of 1 no) of each length & type of skin Thermocouple, whichever is higher.	10%	(Subject to min. of 1 No.)		
e)	RTDs-10% (subject to minimum of 1 No) of each length of RTD with Thermowell, whichever is higher.	10%	(Subject to min. of 1 No.)		
f)	Thermowell-5% (subject to minimum of 1 no) for each type, length of Special MOC.	5%	(Subject to min. of 1 No.)		
g)	Temperature Elements-10% (subject to minimum of 1 no) of each model, range, length and make of Thermocouple whichever is higher.	10%	(Subject to min. of 1 No.)		
A.4.4	Miscellaneous Equipment				
A.4.4.1	Heat Exchangers/Coolers				
i)	Gaskets	400%	of Each Type		
ii)	Bolting (stud & nuts)	20%	(Minimum 4 sets)		
iii)	Lamiflex sealing strips	100%	of Each Type		
iv)	Ferrules	20%	of Each Type		
A.4.4.2	Filter/Strainer				
i)	Gaskets/O-rings	Two sets	of each size and type		
ii)	Filter element along with mounting nut, bolt and washer	1	Complete Set		
iii)	Fasteners	10%	(Min 2 nos.) of each type and size		
II	Optional Items	--	--		
A.1	Supervision charges for erection & commissioning at site	--	--		
a	Travel expenses from vendor works to site and back per visit /person	--	--		
b	Per day charges per person for supervision of erection & commissioning at site including boarding, lodging, local transportation etc., except for travel expenses as above	--	--		
A.2	2 Years Recommended Spares				

 BHARAT HEAVY ELECTRICALS LIMITED R.C.PURAM, HYDERABAD-502032					
PROJECT ENGINEERING & SYSTEMS DIVISION					
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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 Eng. No. & date :<Bidder to indicate>				
	Recommended spares list for two years normal operation along with unit price breakup for Pump, Drive & 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 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 Doc. No. PY51336R00 & 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.					