

		BHARAT HEAVY ELECTRICALS LIMITED R.C.PURAM, HYDERABAD-502032			
PROJECT ENGINEERING & SYSTEMS DIVISION					
PRICE FORMAT (R00) PROJECT : CAPTIVE POWER PLANT (CPP) PACKAGE, VISAKH REFINERY MODERNIZATION PROJECT (VRMP) CUSTOMER : M/s HINDUSTAN PETROLEUM CORPORATION LIMITED CONSULTANT : M/s ENGINEERS INDIA LIMITED (EIL), NEW DELHI					
SL. NO.	ITEM DESCRIPTION	QTY	UNIT	UNIT RATE (In RS./USD/EURO)	TOTAL (In RS./USD/EURO)
	Bidder's Name : <Bidder to indicate> Bidder's Offer No. & Dt. : <Bidder to indicate>			Pl mention currency here	
	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				
A.1	DG SET Complete with all auxiliaries and accessories as per Specification.	2	Set		
A.2	Comissioning Spares[Refer Note-7]	2	Set		
A.3	Special Tools & Tackles	1	Set		
A.4	Mandatory Spares[Refer Annexure-1]	To be quoted for Items Mentioned in Anenxure-1			
B	P&F, Freight				
B.1	Packing & Forwarding[1 Lot Standrd for 1 Set of DG Set along with all the auxiliaries/Accessories] * If Packing & Forwarding is Inclusive, please mention "zero"	2	Lots		
B.2	Freight[1 Lot Standrd for 1 Set of DG Set along with all the auxiliaries/Accessories] Indegenous Vendors: Freight up to to site applicable. Foreign Vendors: CIP delivery Up to Mumbai/ Chennai Sea Port ** If Freight is Inclusive, please mention "zero"	2	Lots		
C	Supervision charges for erection & commissioning at site[Refer Note-12]				
C.1	Travel expenses from vendor works to site and back per visit /person	2	Visits		
C.2	Per day charges per person for supervision of Erection at site including boarding, lodging, local transportation etc., except for travel expenses as above-	20	Days		
C.3	Per day charges per person for supervision of Comissioning at site including boarding, lodging, local transportation etc., except for travel expenses as above	20	Days		
Grand Total for Evaluation (A1+A2+A3+A4+B1+B2+C1+C2+C3)					-
II	Optional Items (not considered for evaluation)				
D	2 Years Recommended Spares				
	Recommended spares list for two years normal operation along with unit price breakup for DG Set & its various auiliries/Accessories. (List with price break up to be enclosed) (1 set stands for quantity required for the replacement of DG Set & its various auiliries/Accessories.	As per List	Set		
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.					

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SL. NO.	ITEM DESCRIPTION	QTY	UNIT	UNIT RATE (In RS./USD/EURO)	TOTAL (In RS./USD/EURO)
Bidder's Name : <Bidder to indicate> Bidder's Offer No. & Dt. : <Bidder to indicate>				Pl mention currency here	
4) Price considered for evaluation: Sum of total Prices under Main Offer (SI No. 1 above) will be considered for evaluation i.e., (A1+A2+A3+A4+B1+B2+C1+C2+C3) (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) Indegenous Bidders: GST shall not be included in above prices. GST shall be payable extra. Foreign Bidders:- The offered price shall be inclusive of all the Taxes and duties as applicable in country of bidder / country of despatch for his quoted price.					
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: PY51350,Rev 00.					
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) A) In case the systems are being supplied from outside India,following Third Party Inspection agency has to be arranged for inspection and the amount incurred for hiring the inspection agency shall be borne by bidders.The amount incurred should be included in the Main offer. i. Lloyds Register of Industrial Services (LRIS) ii. Bureau Veritas (BV) iii. Det Norske Veritas (DNV) iv. Certification Engineers International Ltd. (CEIL) v. TUV B) 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, Referring to SI no 1.A(i,ii & iii), For the purpose of L1 bidder evaluation,2 Visits, total no of 20 man days Supervision of Erection,20 Man days for Supervision of Comissioning fro DG Set and Its Auxiliaries will be considered. However, either or both of the number of man days or number of visits may change on either side based on the actual site requirement. Bidder to note that payment against 1.A.5(i,ii & iii) 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 Supervision charges for erection & commissioning shall be placed by BHEL-site as per the site requirement.LOI shall be placed by BHEL-PE&SD,Hyderabad.					

Annexure-1 : Mandatory Spares List					
SL. NO.	ITEM DESCRIPTION	QTY	UNIT	UNIT RATE (RS./USD/EURO)	TOTAL (RS./USD/EURO)
i)	For Diesel Engine				
a)	Filters-1 Set				
b)	Gaskets & O Rings - 1 Set				
c)	Belts-1 Set				
ii)	For Motor[Applicable in case of motor rating 37 kW & above]				
a)	Bearing Set (DE &NDE)-1 set				
b)	Terminal studs / bushing assembly-1 set for each type				
iii)	For Electricals				
a)	Closing Coil-2 Nos.				
b)	Tripping Coil-2 Nos.				
c)	Control MCBs-10 Nos. Each rating & type				
d)	Control Fuses-10 Nos. Each rating & type				
e)	Auxiliary Contactors -10 Nos. Each rating & type				
f)	Control TBs -50 Nos.				
g)	Shrouds-30 Nos.				
h)	Gaskets-5 Mtrs				
i)	Push Buttons-3 Nos.				
j)	Limit Position Switches -2 Nos.				
k)	L/R Switches -2 Nos.				
l)	Breaker Control Switches -2 Nos.				
m)	Indication lamp -30 Nos.				
iv)	For Centrifugal Pump[If Applicable]				
a)	Shaft-1 Set				
b)	Impeller-1 Set				
c)	Mechanical Seal-1 Set				
d)	Replacable Internals(i.e. Wear Rings,Neck Bush,Impeller Nuts,Bearing Isolators,Packings,O-Rings etc.)-1 Set				
e)	Transmission Unit Including Coupling Hub Bolts-1 Set				
iv)	For Positive Displacement Pump-Recip[If Applicable]				
a)	Valve Assembly-1 Set				
b)	Power end internals like(Worm wheel, worm shft,Gudgeon pin,eccenter seat,cross head trunnion & Seal,Connecting Rods,stroke adjustment spares)-1 Set				
c)	Packings(O Rings/Gaskets-Liquid End)-2 Sets				
v)	For Positive Displacement Pump-Rotay[If Applicable]				
a)	Rotor Assembly-1 Set				
b)	Mechanical Seal-1 Set				
c)	O Rings/Packing/Gaskets-1 Set				
d)	Transmission Unit Including Coupling Hub Bolts-1 Set				
vi)	For Positive Displacement Comp.-Recip[If Applicable]				
a)	Cylinder Valve Assemblies-1 Set				
b)	Piston Ring & Rider Band				
c)	Packing(Stuffing Box+Intermediate Box]-2 Sets				
d)	Big End,Small End & Crank Shaft Bearing-1 Set				
e)	O-Rings/Packings/Gaskets,Lube Oil Filters,Cylinder Lubricator Pumps/Spares-1 Set				
f)	Main Oil Pump complete with coupling-1 Set				
g)	Piston rod with Piston-1 Set				
vii)	For Positive Displacement Comp.-Rotary[If Applicable]				
a)	Dynamically Balanced Rotor-1 Set				
b)	Compressor Seal-1 Set				
c)	Bearing Assemblies-1 Set				
d)	O Rings,Packing,Gaskets,Filters-1 Set				
e)	Complete Coupling-1 Set				

f)	Main Oil Pump complete with coupling-1 Set			
viii)	Vessel & Tanks			
a)	Bolting for each nozzle with blind/companion flange and for each pad nozzle	10% (Minimum 4 sets)		
b)	Gaskets for each nozzle with blind/companion flange and for each pad nozzle	200% of Each Type		
c)	Bolting for internal flanges	10% (Minimum 2 sets)		
d)	Gasket for each internal flange	200% of Each Type		
e)	Sight/light glasses assembly complete with bolting and gasket	400 % of Each Type		
ix)	Filter/Strainer			
a)	Gaskets/O-rings	Two sets of each size and type		
b)	Filter element along with mounting nut, bolt and washer	1 Complete Set		
c)	Fasteners	10% (Min 2 nos.) of each type and size		
x)	Heat Exchangers/Coolers			
a)	Gaskets	400% of Each Type		
b)	Bolting (stud & nuts)	20% (Minimum 4 sets)		
c)	Lamiflex sealing strips	100% of Each Type		
d)	Ferrules	20% of Each Type		
xi)	Pressure control Valve(Self actuating valve) –Manufactured outside India			
a)	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.)		
b)	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.)		
xii)	Control Valves(E/P or I/P) & Solenoid Operated On/off valves			
a)	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.)		
b)	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.)		
c)	10% (subject to minimum of 2) of limit switch box, SOV of each type and make	10% (Subject to min. of 2No.)		
d)	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.)		
e)	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.)		
f)	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.)		
g)	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.)		
h)	10% (subject to minimum 1) of Actuator diaphragm.	10% (Subject to min. of 1 No.)		
i)	10% (subject to minimum 1) Actuator spare kit for Piston Operated Valve.	10% (Subject to min. of 1 No.)		
j)	I/P converter - 10% or minimum 1 no.	10% (Subject to min. of 1 No.)		
xii)	For Instrumentation:			
	Instruments-10% (Subject to min. of 2 Nos) of each type,model, range, material of construction and rating, whichever is higher.			
Grand Total for Mandatory Spares				

Note:

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.