

SCHEDULE OF PRICES - MISC PUMPS HORIZONTAL						
2X800 MW USTPP, APL RAIPUR (PH-II)						
	DESCRIPTION OF WORKS OR EQUIPMENT(S)		UOM	QUANTITY	UNIT EX-WORKS PRICE INCLUDING PACKING (INR)	TOTAL EX-WORKS PRICE INCLUDING PACKING (INR)
	Total Price for design, manufacture, assembly, inspection and testing at manufacturer's and/or his sub-contractors works, painting, proper packing to avoid damage of items during transportation & storage at site of Miscellaneous Pumps (along with Motors & mandatory spares as applicable), transportation to site, complete with all other accessories as per the requirements specified in the specification, site services including installation checks of pump motor set & supervision of replacement of gland packing with Mechanical Seal arrangement (as applicable) at site, PG Test at site and any other services, etc. as per specification PE-TS-513/515/516/522/523/524-100-W001, REV-00 for Misc. Pumps Horizontal of 2X800 MW USTPP, APL RAIPUR (PH-II)					
1.0	Pumps and Motors (Horizontal Pumps):					
	(i)	DMCW PUMPS				
		Pump price:	Nos.	6		
		Motor price:	Nos.		HT MOTOR-by BHEL	
		Suction Strainer price:	Nos.	6		
		Mandatory Spares (as per Annexure -A)	Lot	1		
	(ii)	BOILER FILL PUMPS				
		Pump price:	Nos.	2		
		Motor price:	Nos.	2		
		Suction Strainer price:	Nos.	2		
		Mandatory Spares (as per Annexure -A)	Lot	1		
	(iii)	HOTWELL MAKEUP PUMPS				
		Pump price:	Nos.	4		
		Motor price:	Nos.	4		
		Suction Strainer price:	Nos.	4		
		Mandatory Spares (as per Annexure -A)	Lot	1		
2.0	SITE SERVICES:					
2.1	Installation Check & Supervision for replacement of Gland packing with Mechanical Seal at Site as per Specification					
2.1.1	Site Visit Charges		Nos. of Visits	8		
2.1.2	Manday Charges at Site		Nos. of Mandays	36		
2.2	Lumpsum cost for PG Test of pumps at site as per Specification		Lot	1		
	TOTAL (1.0+ 2.0)					
NOTES:						
a)	Service charges at Sl.no 2.1.1. shall include to/fro travel expenses, medical and insurance.					
b)	Service Charges at Sl.no 2.1.2. shall include boarding/lodging, local conveyance or any other applicable charge for completion of site services. No. of mandays at site defined at Sl.no. 2.1.2 above shall be calculated on the basis of presence at site (travelling time/days is excluded).					
c)	Payment for Sl. No. 2.1 shall be done based on actual consumed site visits and mandays.					
d)	Price of Commissioning & Erection spares, special Tools & tackle and other accessories applicable as per Specification but not listed above shall be included in the price of pump/motor & shall be supplied with the pump/motor.					
e)	For items stated as not applicable by bidder, shall have to be supplied without any cost implication to BHEL in the event they are found to be applicable during detail engineering stage.					
f)	Please refer technical specification for detail.					
g)	Mandatory Spare Note: 1. One(1) set consists of quantity required for complete replacement for one(1) Pump of each type/size. Also the 'set' would include all components/hardware required to replace the item. 2. In case spares indicated in the list are not applicable to the particular design offered by the bidder, the bidder should offer spares applicable to offered design with quantities as specified in the Technical specification/NIT.					
Bidder shall furnish this price Schedule indicating "Quoted" against each item along with his technical offer and actual prices in his price offer.						

SCHEDULE OF PRICES -ANNEXURE-A MANDATORY SPARES OF MISC. PUMPS (HORIZONTAL) 2X800 MW USTPP, APL RAIPUR (PH-II)						
S. NO.	ITEM DESCRIPTION		MANDATORY SPARE LIST	QUANTITY	UNIT EX-WORKS PRICE INCLUDING PACKING (INR)	TOTAL EX-WORKS PRICE INCLUDING PACKING (INR)
1.0	MANDATORY SPARES PRICES-MISC PUMPS (HORIZONTAL)					
1.1	DMCW PUMPS	1.1.1	Shaft	1 No.		
		1.1.2	Shaft sleeves	1 Nos.		
		1.1.3	Impeller	1 Nos.		
		1.1.4	Impeller locking nuts and bolts	3 Nos.		
		1.1.5	Impeller wearing rings; and casing wearing rings	3 Nos. each		
		1.1.6	Bearings at impeller end; coupling end	1 Nos. each		
		1.1.7	Oil seals; oil deflectors; oil rings; and lantern rings	3 Nos. each		
		1.1.8	Stationary/carbon packing and O" ring for mechanical seal "	3 sets		
		1.1.9	Oil level gauge	2 Nos.		
		1.1.10	Mechanical seal assembly	2Nos		
		1.1.11	Couplings complete including rubber bushes	1 No. each		
		1.1.12	O" rings "	2 sets		
1.2	BOILER FILL PUMPS	1.2.1	Shaft	1 No.		
		1.2.2	Shaft sleeves	1 Nos.		
		1.2.3	Impeller	1 Nos.		
		1.2.4	Impeller locking nuts and bolts	3 Nos.		
		1.2.5	Impeller wearing rings; and casing wearing rings	3 Nos. each		
		1.2.6	Bearings at impeller end; coupling end	1 Nos. each		
		1.2.7	Driving and non- driving end bearing of each type of motor	1 set		
		1.2.8	Oil seals; oil deflectors; oil rings; and lantern rings	3 Nos. each		
		1.2.9	Stationary/carbon packing and O" ring for mechanical seal "	3 sets		
		1.2.10	Oil level gauge	2 Nos.		
		1.2.11	Mechanical seal assembly	2Nos		
		1.2.12	Couplings complete including rubber bushes	1 No. each		
		1.2.13	O" rings "	2 sets		
		1.2.14	Motor of each type and rating	1no		
1.3	HOTWELL MAKEUP PUMPS	1.3.1	Shaft	1 No.		
		1.3.2	Shaft sleeves	1 Nos.		
		1.3.3	Impeller	1 Nos.		
		1.3.4	Impeller locking nuts and bolts	3 Nos.		
		1.3.5	Impeller wearing rings; and casing wearing rings	3 Nos. each		
		1.3.6	Bearings at impeller end; coupling end	1 Nos. each		
		1.3.7	Driving and non- driving end bearing of each type of motor	1 set		
		1.3.8	Oil seals; oil deflectors; oil rings; and lantern rings	3 Nos. each		
		1.3.9	Stationary/carbon packing and O" ring for mechanical seal "	3 sets		
		1.3.10	Oil level gauge	2 Nos.		
		1.3.11	Mechanical seal assembly	2Nos		
		1.3.12	Couplings complete including rubber bushes	1 No. each		
		1.3.13	O" rings "	2 sets		
		1.3.14	Motor of each type and rating	1no		

SCHEDULE OF PRICES - MISC PUMPS HORIZONTAL							
2X800 MW USTPP, APL RAIGARH (PH-II)							
	DESCRIPTION OF WORKS OR EQUIPMENT(S)			UOM	QUANTITY	UNIT EX-WORKS PRICE INCLUDING PACKING (INR)	TOTAL EX-WORKS PRICE INCLUDING PACKING (INR)
	Total Price for design, manufacture, assembly, inspection and testing at manufacturer's and/or his sub-contractors works, painting, proper packing to avoid damage of items during transportation & storage at site of Miscellaneous Pumps (along with Motors & mandatory spares as applicable), transportation to site, complete with all other accessories as per the requirements specified in the specification, site services including installation checks of pump motor set & supervision of replacement of gland packing with Mechanical Seal arrangement (as applicable) at site, PG Test at site and any other services, etc. as per specification PE-TS-513/515/516/522/523/524-100-W001, REV-00 for Misc. Pumps Horizontal of 2X800 MW USTPP, APL RAIGARH (PH-II)						
1.0	Pumps and Motors (Horizontal Pumps):						
	(i)	DMCW PUMPS					
			Pump price:	Nos.	6		
			Motor price:	Nos.		HT MOTOR-by BHEL	
			Suction Strainer price:	Nos.	6		
			Mandatory Spares (as per Annexure -A)	Lot	1		
	(ii)	BOILER FILL PUMPS					
			Pump price:	Nos.	2		
			Motor price:	Nos.	2		
			Suction Strainer price:	Nos.	2		
			Mandatory Spares (as per Annexure -A)	Lot	1		
	(iii)	HOTWELL MAKEUP PUMPS					
			Pump price:	Nos.	4		
			Motor price:	Nos.	4		
			Suction Strainer price:	Nos.	4		
			Mandatory Spares (as per Annexure -A)	Lot	1		
2.0	SITE SERVICES:						
2.1	Installation Check & Supervision for replacement of Gland packing with Mechanical Seal at Site as per Specification						
2.1.1	Site Visit Charges			Nos. of Visits	8		
2.1.2	Manday Charges at Site			Nos. of Mandays	36		
2.2	Lumpsum cost for PG Test of pumps at site as per Specification			Lot	1		
	TOTAL (1.0+ 2.0)						
NOTES:							
a)	Service charges at SI.no 2.1.1. shall include to/fro travel expenses, medical and insurance.						
b)	Service Charges at SI.no 2.1.2. shall include boarding/lodging, local conveyance or any other applicable charge for completion of site services. No. of mandays at site defined at SI.no. 2.1.2 above shall be calculated on the basis of presence at site (travelling time/days is excluded).						
c)	Payment for SI. No. 2.1 shall be done based on actual consumed site visits and mandays.						
d)	Price of Commissioning & Erection spares, special Tools & tackle and other accessories applicable as per Specification but not listed above shall be included in the price of pump/motor & shall be supplied with the pump/motor.						
e)	For items stated as not applicable by bidder, shall have to be supplied without any cost implication to BHEL in the event they are found to be applicable during detail engineering stage.						
f)	Please refer technical specification for detail.						
g)	Mandatory Spare Note: 1. One(1) set consists of quantity required for complete replacement for one(1) Pump of each type/size. Also the 'set' would include all components/hardware required to replace the item. 2. In case spares indicated in the list are not applicable to the particular design offered by the bidder, the bidder should offer spares applicable to offered design with quantities as specified in the Technical specification/NIT.						
Bidder shall furnish this price Schedule indicating "Quoted" against each item along with his technical offer and actual prices in his price offer.							

SCHEDULE OF PRICES -ANNEXURE-A MANDATORY SPARES OF MISC. PUMPS (HORIZONTAL) 2X800 MW USTPP, APL RAIGARH (PH-II)						
S. NO.	ITEM DESCRIPTION		MANDATORY SPARE LIST	QUANTITY	UNIT EX-WORKS PRICE INCLUDING PACKING (INR)	TOTAL EX-WORKS PRICE INCLUDING PACKING (INR)
1.0	MANDATORY SPARES PRICES-MISC PUMPS (HORIZONTAL)					
1.1	DMCW PUMPS	1.1.1	Shaft	1 No.		
		1.1.2	Shaft sleeves	1 Nos.		
		1.1.3	Impeller	1 Nos.		
		1.1.4	Impeller locking nuts and bolts	3 Nos.		
		1.1.5	Impeller wearing rings; and casing wearing rings	3 Nos. each		
		1.1.6	Bearings at impeller end; coupling end	1 Nos. each		
		1.1.7	Oil seals; oil deflectors; oil rings; and lantern rings	3 Nos. each		
		1.1.8	Stationary/carbon packing and O" ring for mechanical seal "	3 sets		
		1.1.9	Oil level gauge	2 Nos.		
		1.1.10	Mechanical seal assembly	2Nos		
		1.1.11	Couplings complete including rubber bushes	1 No. each		
		1.1.12	O" rings "	2 sets		
1.2	BOILER FILL PUMPS	1.2.1	Shaft	1 No.		
		1.2.2	Shaft sleeves	1 Nos.		
		1.2.3	Impeller	1 Nos.		
		1.2.4	Impeller locking nuts and bolts	3 Nos.		
		1.2.5	Impeller wearing rings; and casing wearing rings	3 Nos. each		
		1.2.6	Bearings at impeller end; coupling end	1 Nos. each		
		1.2.7	Driving and non- driving end bearing of each type of motor	1 set		
		1.2.8	Oil seals; oil deflectors; oil rings; and lantern rings	3 Nos. each		
		1.2.9	Stationary/carbon packing and O" ring for mechanical seal "	3 sets		
		1.2.10	Oil level gauge	2 Nos.		
		1.2.11	Mechanical seal assembly	2Nos		
		1.2.12	Couplings complete including rubber bushes	1 No. each		
		1.2.13	O" rings "	2 sets		
		1.2.14	Motor of each type and rating	1no		
1.3	HOTWELL MAKEUP PUMPS	1.3.1	Shaft	1 No.		
		1.3.2	Shaft sleeves	1 Nos.		
		1.3.3	Impeller	1 Nos.		
		1.3.4	Impeller locking nuts and bolts	3 Nos.		
		1.3.5	Impeller wearing rings; and casing wearing rings	3 Nos. each		
		1.3.6	Bearings at impeller end; coupling end	1 Nos. each		
		1.3.7	Driving and non- driving end bearing of each type of motor	1 set		
		1.3.8	Oil seals; oil deflectors; oil rings; and lantern rings	3 Nos. each		
		1.3.9	Stationary/carbon packing and O" ring for mechanical seal "	3 sets		
		1.3.10	Oil level gauge	2 Nos.		21213.2
		1.3.11	Mechanical seal assembly	2Nos		
		1.3.12	Couplings complete including rubber bushes	1 No. each		84852.8
		1.3.13	O" rings "	2 sets		
		1.3.14	Motor of each type and rating	1no		

SCHEDULE OF PRICES - MISC PUMPS HORIZONTAL						
2X800 MW USTPP, MIRZAPUR (PH-I)						
	DESCRIPTION OF WORKS OR EQUIPMENT(S)		UOM	QUANTITY	UNIT EX-WORKS PRICE INCLUDING PACKING (INR)	TOTAL EX-WORKS PRICE INCLUDING PACKING (INR)
	Total Price for design, manufacture, assembly, inspection and testing at manufacturer's and/or his sub-contractors works, painting, proper packing to avoid damage of items during transportation & storage at site of Miscellaneous Pumps (along with Motors & mandatory spares as applicable), transportation to site, complete with all other accessories as per the requirements specified in the specification, site services including installation checks of pump motor set & supervision of replacement of gland packing with Mechanical Seal arrangement (as applicable) at site, PG Test at site and any other services, etc. as per specification PE-TS-513/515/516/522/523/524-100-W001, REV-00 for Misc. Pumps Horizontal of 2X800 MW USTPP, MIRZAPUR (PH-I)					
1.0	Pumps and Motors (Horizontal Pumps):					
	(i)	DMCW PUMPS				
		Pump price:	Nos.	6		
		Motor price:	Nos.		HT MOTOR-by BHEL	
		Suction Strainer price:	Nos.	6		
		Mandatory Spares (as per Annexure -A)	Lot	1		
	(ii)	BOILER FILL PUMPS				
		Pump price:	Nos.	2		
		Motor price:	Nos.	2		
		Suction Strainer price:	Nos.	2		
		Mandatory Spares (as per Annexure -A)	Lot	1		
	(iii)	HOTWELL MAKEUP PUMPS				
		Pump price:	Nos.	4		
		Motor price:	Nos.	4		
		Suction Strainer price:	Nos.	4		
		Mandatory Spares (as per Annexure -A)	Lot	1		
2.0	SITE SERVICES:					
2.1	Installation Check & Supervision for replacement of Gland packing with Mechanical Seal at Site as per Specification					
2.1.1	Site Visit Charges		Nos. of Visits	8		
2.1.2	Manday Charges at Site		Nos. of Mandays	36		
2.2	Lumpsum cost for PG Test of pumps at site as per Specification		Lot	1		
	TOTAL (1.0+ 2.0)					
NOTES:						
a)	Service charges at Sl.no 2.1.1. shall include to/fro travel expenses, medical and insurance.					
b)	Service Charges at Sl.no 2.1.2. shall include boarding/lodging, local conveyance or any other applicable charge for completion of site services. No. of mandays at site defined at Sl.no. 2.1.2 above shall be calculated on the basis of presence at site (travelling time/days is excluded).					
c)	Payment for Sl. No. 2.1 shall be done based on actual consumed site visits and mandays.					
d)	Price of Commissioning & Erection spares, special Tools & tackle and other accessories applicable as per Specification but not listed above shall be included in the price of pump/motor & shall be supplied with the pump/motor.					
e)	For items stated as not applicable by bidder, shall have to be supplied without any cost implication to BHEL in the event they are found to be applicable during detail engineering stage.					
f)	Please refer technical specification for detail.					
g)	Mandatory Spare Note: 1. One(1) set consists of quantity required for complete replacement for one(1) Pump of each type/size. Also the 'set' would include all components/hardware required to replace the item. 2. In case spares indicated in the list are not applicable to the particular design offered by the bidder, the bidder should offer spares applicable to offered design with quantities as specified in the Technical specification/NIT.					
Bidder shall furnish this price Schedule indicating "Quoted" against each item along with his technical offer and actual prices in his price offer.						

SCHEDULE OF PRICES -ANNEXURE-A						
MANDATORY SPARES OF MISC. PUMPS (HORIZONTAL)						
2X800 MW USTPP, MIRZAPUR (PH-I)						
S. NO.	ITEM DESCRIPTION		MANDATORY SPARE LIST	QUANTITY	UNIT EX-WORKS PRICE INCLUDING PACKING (INR)	TOTAL EX-WORKS PRICE INCLUDING PACKING (INR)
1.0	MANDATORY SPARES PRICES-MISC PUMPS (HORIZONTAL)					
1.1	DMCW PUMPS	1.1.1	Shaft	1 No.		
		1.1.2	Shaft sleeves	1 Nos.		
		1.1.3	Impeller	1 Nos.		
		1.1.4	Impeller locking nuts and bolts	3 Nos.		
		1.1.5	Impeller wearing rings; and casing wearing rings	3 Nos. each		
		1.1.6	Bearings at impeller end; coupling end	1 Nos. each		
		1.1.7	Oil seals; oil deflectors; oil rings; and lantern rings	3 Nos. each		
		1.1.8	Stationary/carbon packing and O" ring for mechanical seal "	3 sets		
		1.1.9	Oil level gauge	2 Nos.		
		1.1.10	Mechanical seal assembly	2Nos		
		1.1.11	Couplings complete including rubber bushes	1 No. each		
		1.1.12	O" rings "	2 sets		
1.2	BOILER FILL PUMPS	1.2.1	Shaft	1 No.		
		1.2.2	Shaft sleeves	1 Nos.		
		1.2.3	Impeller	1 Nos.		
		1.2.4	Impeller locking nuts and bolts	3 Nos.		
		1.2.5	Impeller wearing rings; and casing wearing rings	3 Nos. each		
		1.2.6	Bearings at impeller end; coupling end	1 Nos. each		
		1.2.7	Driving and non- driving end bearing of each type of motor	1 set		
		1.2.8	Oil seals; oil deflectors; oil rings; and lantern rings	3 Nos. each		
		1.2.9	Stationary/carbon packing and O" ring for mechanical seal "	3 sets		
		1.2.10	Oil level gauge	2 Nos.		
		1.2.11	Mechanical seal assembly	2Nos		
		1.2.12	Couplings complete including rubber bushes	1 No. each		
		1.2.13	O" rings "	2 sets		
		1.2.14	Motor of each type and rating	1no		
1.3	HOTWELL MAKEUP PUMPS	1.3.1	Shaft	1 No.		
		1.3.2	Shaft sleeves	1 Nos.		
		1.3.3	Impeller	1 Nos.		
		1.3.4	Impeller locking nuts and bolts	3 Nos.		
		1.3.5	Impeller wearing rings; and casing wearing rings	3 Nos. each		
		1.3.6	Bearings at impeller end; coupling end	1 Nos. each		
		1.3.7	Driving and non- driving end bearing of each type of motor	1 set		
		1.3.8	Oil seals; oil deflectors; oil rings; and lantern rings	3 Nos. each		
		1.3.9	Stationary/carbon packing and O" ring for mechanical seal "	3 sets		
		1.3.10	Oil level gauge	2 Nos.		
		1.3.11	Mechanical seal assembly	2Nos		
		1.3.12	Couplings complete including rubber bushes	1 No. each		
		1.3.13	O" rings "	2 sets		
		1.3.14	Motor of each type and rating	1no		

SCHEDULE OF PRICES - MISC PUMPS HORIZONTAL						
2X800 MW USTPP, APL MAHAN (PH-III)						
	DESCRIPTION OF WORKS OR EQUIPMENT(S)		UOM	QUANTITY	UNIT EX-WORKS PRICE INCLUDING PACKING (INR)	TOTAL EX-WORKS PRICE INCLUDING PACKING (INR)
	Total Price for design, manufacture, assembly, inspection and testing at manufacturer's and/or his sub-contractors works, painting, proper packing to avoid damage of items during transportation & storage at site of Miscellaneous Pumps (along with Motors & mandatory spares as applicable), transportation to site, complete with all other accessories as per the requirements specified in the specification, site services including installation checks of pump motor set & supervision of replacement of gland packing with Mechanical Seal arrangement (as applicable) at site, PG Test at site and any other services, etc. as per specification PE-TS-513/515/516/522/523/524-100-W001, REV-00 for Misc. Pumps Horizontal of 2X800 MW USTPP, APL MAHAN (PH-III)					
1.0	Pumps and Motors (Horizontal Pumps):					
	(i)	DMCW PUMPS				
		Pump price:	Nos.	6		
		Motor price:	Nos.		HT MOTOR-by BHEL	
		Suction Strainer price:	Nos.	6		
		Mandatory Spares (as per Annexure -A)	Lot	1		
	(ii)	BOILER FILL PUMPS				
		Pump price:	Nos.	2		
		Motor price:	Nos.	2		
		Suction Strainer price:	Nos.	2		
		Mandatory Spares (as per Annexure -A)	Lot	1		
	(iii)	HOTWELL MAKEUP PUMPS				
		Pump price:	Nos.	4		
		Motor price:	Nos.	4		
		Suction Strainer price:	Nos.	4		
		Mandatory Spares (as per Annexure -A)	Lot	1		
2.0	SITE SERVICES:					
2.1	Installation Check & Supervision for replacement of Gland packing with Mechanical Seal at Site as per Specification					
2.1.1	Site Visit Charges		Nos. of Visits	8		
2.1.2	Manday Charges at Site		Nos. of Mandays	36		
2.2	Lumpsum cost for PG Test of pumps at site as per Specification		Lot	1		
	TOTAL (1.0+ 2.0)					
NOTES:						
a)	Service charges at Sl.no 2.1.1. shall include to/fro travel expenses, medical and insurance.					
b)	Service Charges at Sl.no 2.1.2. shall include boarding/lodging, local conveyance or any other applicable charge for completion of site services. No. of mandays at site defined at Sl.no. 2.1.2 above shall be calculated on the basis of presence at site (travelling time/days is excluded).					
c)	Payment for Sl. No. 2.1 shall be done based on actual consumed site visits and mandays.					
d)	Price of Commissioning & Erection spares, special Tools & tackle and other accessories applicable as per Specification but not listed above shall be included in the price of pump/motor & shall be supplied with the pump/motor.					
e)	For items stated as not applicable by bidder, shall have to be supplied without any cost implication to BHEL in the event they are found to be applicable during detail engineering stage.					
f)	Please refer technical specification for detail.					
g)	Mandatory Spare Note: 1. One(1) set consists of quantity required for complete replacement for one(1) Pump of each type/size. Also the 'set' would include all components/hardware required to replace the item. 2. In case spares indicated in the list are not applicable to the particular design offered by the bidder, the bidder should offer spares applicable to offered design with quantities as specified in the Technical specification/NIT.					
Bidder shall furnish this price Schedule indicating "Quoted" against each item along with his technical offer and actual prices in his price offer.						

SCHEDULE OF PRICES -ANNEXURE-A MANDATORY SPARES OF MISC. PUMPS (HORIZONTAL) 2X800 MW USTPP, APL MAHAN (PH-III)						
S. NO.	ITEM DESCRIPTION		MANDATORY SPARE LIST	QUANTITY	UNIT EX-WORKS PRICE INCLUDING PACKING (INR)	TOTAL EX-WORKS PRICE INCLUDING PACKING (INR)
1.0	MANDATORY SPARES PRICES-MISC PUMPS (HORIZONTAL)					
1.1	DMCW PUMPS	1.1.1	Shaft	1 No.		
		1.1.2	Shaft sleeves	1 Nos.		
		1.1.3	Impeller	1 Nos.		
		1.1.4	Impeller locking nuts and bolts	3 Nos.		
		1.1.5	Impeller wearing rings; and casing wearing rings	3 Nos. each		
		1.1.6	Bearings at impeller end; coupling end	1 Nos. each		
		1.1.7	Oil seals; oil deflectors; oil rings; and lantern rings	3 Nos. each		
		1.1.8	Stationary/carbon packing and O" ring for mechanical seal "	3 sets		
		1.1.9	Oil level gauge	2 Nos.		
		1.1.10	Mechanical seal assembly	2Nos		
		1.1.11	Couplings complete including rubber bushes	1 No. each		
		1.1.12	O" rings "	2 sets		
1.2	BOILER FILL PUMPS	1.2.1	Shaft	1 No.		
		1.2.2	Shaft sleeves	1 Nos.		
		1.2.3	Impeller	1 Nos.		
		1.2.4	Impeller locking nuts and bolts	3 Nos.		
		1.2.5	Impeller wearing rings; and casing wearing rings	3 Nos. each		
		1.2.6	Bearings at impeller end; coupling end	1 Nos. each		
		1.2.7	Driving and non- driving end bearing of each type of motor	1 set		
		1.2.8	Oil seals; oil deflectors; oil rings; and lantern rings	3 Nos. each		
		1.2.9	Stationary/carbon packing and O" ring for mechanical seal "	3 sets		
		1.2.10	Oil level gauge	2 Nos.		
		1.2.11	Mechanical seal assembly	2Nos		
		1.2.12	Couplings complete including rubber bushes	1 No. each		
		1.2.13	O" rings "	2 sets		
		1.2.14	Motor of each type and rating	1no		
1.3	HOTWELL MAKEUP PUMPS	1.3.1	Shaft	1 No.		
		1.3.2	Shaft sleeves	1 Nos.		
		1.3.3	Impeller	1 Nos.		
		1.3.4	Impeller locking nuts and bolts	3 Nos.		
		1.3.5	Impeller wearing rings; and casing wearing rings	3 Nos. each		
		1.3.6	Bearings at impeller end; coupling end	1 Nos. each		
		1.3.7	Driving and non- driving end bearing of each type of motor	1 set		
		1.3.8	Oil seals; oil deflectors; oil rings; and lantern rings	3 Nos. each		
		1.3.9	Stationary/carbon packing and O" ring for mechanical seal "	3 sets		
		1.3.10	Oil level gauge	2 Nos.		
		1.3.11	Mechanical seal assembly	2Nos		
		1.3.12	Couplings complete including rubber bushes	1 No. each		
		1.3.13	O" rings "	2 sets		
		1.3.14	Motor of each type and rating	1no		

SCHEDULE OF PRICES - MISC PUMPS HORIZONTAL						
2X800 MW USTPP, APL KORBA (PH-II)						
	DESCRIPTION OF WORKS OR EQUIPMENT(S)		UOM	QUANTITY	UNIT EX-WORKS PRICE INCLUDING PACKING (INR)	TOTAL EX-WORKS PRICE INCLUDING PACKING (INR)
	Total Price for design, manufacture, assembly, inspection and testing at manufacturer's and/or his sub-contractors works, painting, proper packing to avoid damage of items during transportation & storage at site of Miscellaneous Pumps (along with Motors & mandatory spares as applicable), transportation to site, complete with all other accessories as per the requirements specified in the specification, site services including installation checks of pump motor set & supervision of replacement of gland packing with Mechanical Seal arrangement (as applicable) at site, PG Test at site and any other services, etc. as per specification PE-TS-513/515/516/522/523/524-100-W001, REV-00 for Misc. Pumps Horizontal of 2X800 MW USTPP, APL KORBA (PH-II)					
1.0	Pumps and Motors (Horizontal Pumps):					
	(i)	DMCW PUMPS				
		Pump price:	Nos.	6		
		Motor price:	Nos.		HT MOTOR-by BHEL	
		Suction Strainer price:	Nos.	6		
		Mandatory Spares (as per Annexure -A)	Lot	1		
	(ii)	BOILER FILL PUMPS				
		Pump price:	Nos.	2		
		Motor price:	Nos.	2		
		Suction Strainer price:	Nos.	2		
		Mandatory Spares (as per Annexure -A)	Lot	1		
	(iii)	HOTWELL MAKEUP PUMPS				
		Pump price:	Nos.	4		
		Motor price:	Nos.	4		
		Suction Strainer price:	Nos.	4		
		Mandatory Spares (as per Annexure -A)	Lot	1		
2.0	SITE SERVICES:					
2.1	Installation Check & Supervision for replacement of Gland packing with Mechanical Seal at Site as per Specification					
2.1.1	Site Visit Charges		Nos. of Visits	8		
2.1.2	Manday Charges at Site		Nos. of Mandays	36		
2.2	Lumpsum cost for PG Test of pumps at site as per Specification		Lot	1		
	TOTAL (1.0+ 2.0)					
NOTES:						
a)	Service charges at Sl.no 2.1.1. shall include to/fro travel expenses, medical and insurance.					
b)	Service Charges at Sl.no 2.1.2. shall include boarding/lodging, local conveyance or any other applicable charge for completion of site services. No. of mandays at site defined at Sl.no. 2.1.2 above shall be calculated on the basis of presence at site (travelling time/days is excluded).					
c)	Payment for Sl. No. 2.1 shall be done based on actual consumed site visits and mandays.					
d)	Price of Commissioning & Erection spares, special Tools & tackle and other accessories applicable as per Specification but not listed above shall be included in the price of pump/motor & shall be supplied with the pump/motor.					
e)	For items stated as not applicable by bidder, shall have to be supplied without any cost implication to BHEL in the event they are found to be applicable during detail engineering stage.					
f)	Please refer technical specification for detail.					
g)	Mandatory Spare Note: 1. One(1) set consists of quantity required for complete replacement for one(1) Pump of each type/size. Also the 'set' would include all components/hardware required to replace the item. 2. In case spares indicated in the list are not applicable to the particular design offered by the bidder, the bidder should offer spares applicable to offered design with quantities as specified in the Technical specification/NIT.					
Bidder shall furnish this price Schedule indicating "Quoted" against each item along with his technical offer and actual prices in his price offer.						

SCHEDULE OF PRICES -ANNEXURE-A MANDATORY SPARES OF MISC. PUMPS (HORIZONTAL) 2X800 MW USTPP, APL KORBA (PH-II)						
S. NO.	ITEM DESCRIPTION		MANDATORY SPARE LIST	QUANTITY	UNIT EX-WORKS PRICE INCLUDING PACKING (INR)	TOTAL EX-WORKS PRICE INCLUDING PACKING (INR)
1.0	MANDATORY SPARES PRICES-MISC PUMPS (HORIZONTAL)					
1.1	DMCW PUMPS	1.1.1	Shaft	1 No.		
		1.1.2	Shaft sleeves	1 Nos.		
		1.1.3	Impeller	1 Nos.		
		1.1.4	Impeller locking nuts and bolts	3 Nos.		
		1.1.5	Impeller wearing rings; and casing wearing rings	3 Nos. each		
		1.1.6	Bearings at impeller end; coupling end	1 Nos. each		
		1.1.7	Oil seals; oil deflectors; oil rings; and lantern rings	3 Nos. each		
		1.1.8	Stationary/carbon packing and O" ring for mechanical seal "	3 sets		
		1.1.9	Oil level gauge	2 Nos.		
		1.1.10	Mechanical seal assembly	2Nos		
		1.1.11	Couplings complete including rubber bushes	1 No. each		
		1.1.12	O" rings "	2 sets		
1.2	BOILER FILL PUMPS	1.2.1	Shaft	1 No.		
		1.2.2	Shaft sleeves	1 Nos.		
		1.2.3	Impeller	1 Nos.		
		1.2.4	Impeller locking nuts and bolts	3 Nos.		
		1.2.5	Impeller wearing rings; and casing wearing rings	3 Nos. each		
		1.2.6	Bearings at impeller end; coupling end	1 Nos. each		
		1.2.7	Driving and non- driving end bearing of each type of motor	1 set		
		1.2.8	Oil seals; oil deflectors; oil rings; and lantern rings	3 Nos. each		
		1.2.9	Stationary/carbon packing and O" ring for mechanical seal "	3 sets		
		1.2.10	Oil level gauge	2 Nos.		
		1.2.11	Mechanical seal assembly	2Nos		
		1.2.12	Couplings complete including rubber bushes	1 No. each		
		1.2.13	O" rings "	2 sets		
		1.2.14	Motor of each type and rating	1no		
1.3	HOTWELL MAKEUP PUMPS	1.3.1	Shaft	1 No.		
		1.3.2	Shaft sleeves	1 Nos.		
		1.3.3	Impeller	1 Nos.		
		1.3.4	Impeller locking nuts and bolts	3 Nos.		
		1.3.5	Impeller wearing rings; and casing wearing rings	3 Nos. each		
		1.3.6	Bearings at impeller end; coupling end	1 Nos. each		
		1.3.7	Driving and non- driving end bearing of each type of motor	1 set		
		1.3.8	Oil seals; oil deflectors; oil rings; and lantern rings	3 Nos. each		
		1.3.9	Stationary/carbon packing and O" ring for mechanical seal "	3 sets		
		1.3.10	Oil level gauge	2 Nos.		
		1.3.11	Mechanical seal assembly	2Nos		
		1.3.12	Couplings complete including rubber bushes	1 No. each		
		1.3.13	O" rings "	2 sets		
		1.3.14	Motor of each type and rating	1no		

SCHEDULE OF PRICES - MISC PUMPS HORIZONTAL						
2X800 MW USTPP, KAWAI PH-II						
	DESCRIPTION OF WORKS OR EQUIPMENT(S)		UOM	QUANTITY	UNIT EX-WORKS PRICE INCLUDING PACKING (INR)	TOTAL EX-WORKS PRICE INCLUDING PACKING (INR)
	Total Price for design, manufacture, assembly, inspection and testing at manufacturer's and/or his sub-contractors works, painting, proper packing to avoid damage of items during transportation & storage at site of Miscellaneous Pumps (along with Motors & mandatory spares as applicable), transportation to site, complete with all other accessories as per the requirements specified in the specification, site services including installation checks of pump motor set & supervision of replacement of gland packing with Mechanical Seal arrangement (as applicable) at site, PG Test at site and any other services, etc. as per specification PE-TS-513/515/516/522/523/524-100-W001, REV-00 for Misc. Pumps Horizontal of 2X800 MW USTPP, APL KAWAI-II					
1.0	Pumps and Motors (Horizontal Pumps):					
	(i)	DMCW PUMPS				
		Pump price:	Nos.	6		
		Motor price:	Nos.		HT MOTOR-by BHEL	
		Suction Strainer price:	Nos.	6		
		Mandatory Spares (as per Annexure -A)	Lot	1		
	(ii)	BOILER FILL PUMPS				
		Pump price:	Nos.	2		
		Motor price:	Nos.	2		
		Suction Strainer price:	Nos.	2		
		Mandatory Spares (as per Annexure -A)	Lot	1		
	(iii)	HOTWELL MAKEUP PUMPS				
		Pump price:	Nos.	4		
		Motor price:	Nos.	4		
		Suction Strainer price:	Nos.	4		
		Mandatory Spares (as per Annexure -A)	Lot	1		
2.0	SITE SERVICES:					
2.1	Installation Check & Supervision for replacement of Gland packing with Mechanical Seal at Site as per Specification					
2.1.1	Site Visit Charges		Nos. of Visits	8		
2.1.2	Manday Charges at Site		Nos. of Mandays	36		
2.2	Lumpsum cost for PG Test of pumps at site as per Specification		Lot	1		
	TOTAL (1.0+ 2.0)					
NOTES:						
a)	Service charges at Sl.no 2.1.1. shall include to/fro travel expenses, medical and insurance.					
b)	Service Charges at Sl.no 2.1.2. shall include boarding/lodging, local conveyance or any other applicable charge for completion of site services. No. of mandays at site defined at Sl.no. 2.1.2 above shall be calculated on the basis of presence at site (travelling time/days is excluded).					
c)	Payment for Sl. No. 2.1 shall be done based on actual consumed site visits and mandays.					
d)	Price of Commissioning & Erection spares, special Tools & tackle and other accessories applicable as per Specification but not listed above shall be included in the price of pump/motor & shall be supplied with the pump/motor.					
e)	For items stated as not applicable by bidder, shall have to be supplied without any cost implication to BHEL in the event they are found to be applicable during detail engineering stage.					
f)	Please refer technical specification for detail.					
g)	Mandatory Spare Note: 1. One(1) set consists of quantity required for complete replacement for one(1) Pump of each type/size. Also the 'set' would include all components/hardware required to replace the item. 2. In case spares indicated in the list are not applicable to the particular design offered by the bidder, the bidder should offer spares applicable to offered design with quantities as specified in the Technical specification/NIT.					
Bidder shall furnish this price Schedule indicating "Quoted" against each item along with his technical offer and actual prices in his price offer.						

SCHEDULE OF PRICES -ANNEXURE-A						
MANDATORY SPARES OF MISC. PUMPS (HORIZONTAL)						
2X800 MW USTPP, APL KAWAI (PH-II)						
S. NO.	ITEM DESCRIPTION		MANDATORY SPARE LIST	QUANTITY	UNIT EX-WORKS PRICE INCLUDING PACKING (INR)	TOTAL EX-WORKS PRICE INCLUDING PACKING (INR)
1.0	MANDATORY SPARES PRICES-MISC PUMPS (HORIZONTAL)					
1.1	DMCW PUMPS	1.1.1	Shaft	1 No.		
		1.1.2	Shaft sleeves	1 Nos.		
		1.1.3	Impeller	1 Nos.		
		1.1.4	Impeller locking nuts and bolts	3 Nos.		
		1.1.5	Impeller wearing rings; and casing wearing rings	3 Nos. each		
		1.1.6	Bearings at impeller end; coupling end	1 Nos. each		
		1.1.7	Oil seals; oil deflectors; oil rings; and lantern rings	3 Nos. each		
		1.1.8	Stationary/carbon packing and O" ring for mechanical seal "	3 sets		
		1.1.9	Oil level gauge	2 Nos.		
		1.1.10	Mechanical seal assembly	2Nos		
		1.1.11	Couplings complete including rubber bushes	1 No. each		
		1.1.12	O" rings "	2 sets		
1.2	BOILER FILL PUMPS	1.2.1	Shaft	1 No.		
		1.2.2	Shaft sleeves	1 Nos.		
		1.2.3	Impeller	1 Nos.		
		1.2.4	Impeller locking nuts and bolts	3 Nos.		
		1.2.5	Impeller wearing rings; and casing wearing rings	3 Nos. each		
		1.2.6	Bearings at impeller end; coupling end	1 Nos. each		
		1.2.7	Driving and non- driving end bearing of each type of motor	1 set		
		1.2.8	Oil seals; oil deflectors; oil rings; and lantern rings	3 Nos. each		
		1.2.9	Stationary/carbon packing and O" ring for mechanical seal "	3 sets		
		1.2.10	Oil level gauge	2 Nos.		
		1.2.11	Mechanical seal assembly	2Nos		
		1.2.12	Couplings complete including rubber bushes	1 No. each		
		1.2.13	O" rings "	2 sets		
		1.2.14	Motor of each type and rating	1no		
1.3	HOTWELL MAKEUP PUMPS	1.3.1	Shaft	1 No.		
		1.3.2	Shaft sleeves	1 Nos.		
		1.3.3	Impeller	1 Nos.		
		1.3.4	Impeller locking nuts and bolts	3 Nos.		
		1.3.5	Impeller wearing rings; and casing wearing rings	3 Nos. each		
		1.3.6	Bearings at impeller end; coupling end	1 Nos. each		
		1.3.7	Driving and non- driving end bearing of each type of motor	1 set		
		1.3.8	Oil seals; oil deflectors; oil rings; and lantern rings	3 Nos. each		
		1.3.9	Stationary/carbon packing and O" ring for mechanical seal "	3 sets		
		1.3.10	Oil level gauge	2 Nos.		
		1.3.11	Mechanical seal assembly	2Nos		
		1.3.12	Couplings complete including rubber bushes	1 No. each		
		1.3.13	O" rings "	2 sets		
		1.3.14	Motor of each type and rating	1no		