			SCHEDULE OF PRICES - MIS 2X800 MW LARA ST		TICAL				
		DESCRIPTION OF WORKS OF		UOM	QUANTITY	UNIT EX-WORKS PRICE INCLUDING PACKING (INR)	TOTAL EX-WORKS PRICE INCLUDING PACKING (INR)		
	manufactu avoid dam Miscellane transporta requireme checks of etc. as per	for design, manufacture, assemb rer's and/or his sub-contractors we age of items during transportation ous Pumps (along with Motors & r ion to site, complete with all other nts specified in the specification, so pump motor set at site, PG Test a specification PE-TS-508/512-100 rtical of 2X800 MW LARA STPP S	orks, painting, proper packing to & storage at site of nandatory spares as applicable), accessories as per the te services including installation t site and any other services, 0-W002, REV-00 for Misc.						
1.0	Pumps a	nd Motors (Vertical Pumps):							
	(i)	RAW WATER (PT) PUMPS							
		Pump price:		Nos.	3				
		Motor price:		Nos.	BHEL SCOPE				
	İ	Forced Water Lubricat	ion System	Set	1				
		Mandatory Spares ( as	per Annexure -A)	Lot	1				
			,						
	(ii)	RAW WATER (ASH) PUMPS							
		Pump price:		Nos.	3				
		Motor price:		Nos.	3				
		RE Joint:		Nos.	3				
		Forced Water Lubricat	ion System	Set	1				
		Mandatory Spares ( as	per Annexure -A )	Lot	1				
2.0	SITE SER	VICES:							
2.1	Installatio	n Check (For all Pumps) at Site	as per Specification						
2.1.1	Site Visit 0	Charges		Nos. of Visits	6				
		narges at Site		Nos. of Mandays	18				
2.2	Lumpsum	cost for PG Test of pumps at s	ite as per Specification	Lot	1				
		TOTAL (1.0+							
NOTES: a)	Service ch	arges at Sl.no 2.1.1. shall include	to/fro travel expenses, medical a	nd 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 f	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 not listed above shall be included in the price of pump & shall be supplied with the pump.								
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 ref	er technical specification for detail.							
,	Mandatory 1. One(1)	Spare Note: set consists of quantity required fo		) Pump of eac	ch type/size. A	also the 'set' would include	all components/hardware		
g)	required to replace the item.  2. Bidder shall not indicate "Not Applicable" against any of the spare (except for those items for which "if applicable" is specified). In case of not applicability, functionally equivalent spare to be mentioned with price in the relevant price schedules. Bidder shall not mention any remark other than price value in relevant								
Bidder sha	ll furnish thi	s price Schedule indicating "Quoted	against each item along with his to	echnical offer a	nd actual price	s in his price offer.			

## SCHEDULE OF PRICES -ANNEXURE-A MANDATORY SPARES OF MISC. PUMPS (VERTICAL)

			2X800 MW LARA STPP ST				
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 P	PRICES-MISC PUMPS (VERTICAL)					
		1.1.1	Impeller with nuts & washers	1 set			
		1.1.2	Bearings for Line, Head and Impeller shafts	1 set			
		1.1.3	Thrust Bearings of pump & drive	1 set			
		1.1.4	Wearing rings – Impeller (if applicable)	1 set			
		1.1.5	Wearing rings – Casing (if applicable)	1 set			
		1.1.6	Gland, packing & gland assembly	1 set			
		1.1.7	Impeller Shaft, line shaft and head shaft	1 set			
		1.1.8	Shaft Sleeves	1 set			
		1.1.9	Stuffing box	1 set			
		1.1.10	Pump & Drive Coupling, bushes, pins with all fasteners & coupling guards (as applicable)	1 set			
		1.1.11	All Gaskets	1 set			
		1.1.12	Line Shaft Couplings (if applicable)	1 set			
		Spares for Lubrication Water Pumps					
		1.1.13	Impeller with nuts and other accessories	1 set			
		1.1.14	Impeller Shaft with fasteners	1 set			
		1.1.15	Shaft Sleeves	1 set			
		1.1.16	Wearing rings – Impeller (if applicable)	1 set			
		1.1.17	Wearing Rings – Casing (if applicable)	1 set			
		1.1.18	Pump bearings	1 set			
4.4	Raw Water (PT) Pumps	1.1.19	Thrust bearings	1 set			
1.1		1.1.20	Pump & Drive Coupling compl. assy. & coupling Guards	1 set			
		1.1.21	Pump to drive coupling bushes with fasteners	1 set			
		1.1.22	Gland, Packing & Gland Assembly / Mech. seal as applicable	1 set			
		1.1.23	Motor for Lubrication Water Pumps	1 No			
		C&I Spares	(If Applicable)	•			
		1.1.24	Transmitters of all types and model. (for the measurement of Pressure, differential pressure, flow, level, etc.) including local indication ( if applicable)	2 Nos. of each type and model.			
		1.1.25	RTD'S	1 no. of each type			
		1.1.26	Pressure gauges	1 no. of each range and type			
		1.1.27	Differential Pressure Gauges,	1 no. of each range and type			
		1.1.28	All types of Rota meters	1 no. of each range			
		1.1.29	Process Actuated Switch Devices -As	I applicable for this pac	kage, as per the following	items	
		1.1.29 (a)	Flow switches	1 no. of each range	g.s, ac po. tilo ioliowing		
		1.1.29 (b)	Solenoid Valves	and type 2 nos. of each type, model and rating.			

		1.1.30	Electric Actuators	1 no. of each type, class, size and model whichever is more.		
		1.2.1	Impeller with nuts & washers	1 set		
		1.2.2	Bearings for Line, Head and Impeller shafts	1 set		
		1.2.3	Thrust Bearings of pump & drive	1 set		
		1.2.4	Wearing rings – Impeller (if	1 set		
		1.2.5	applicable)  Wearing rings – Casing (if applicable)	1 set		
		1.2.6	Gland, packing & gland assembly	1 set		
		1.2.7	Impeller Shaft, line shaft and head shaft	1 set		
		1.2.8	Shaft Sleeves	1 set		
		1.2.9	Stuffing box	1 set		
		1.2.10	Pump & Drive Coupling, bushes, pins with all fasteners & coupling guards (as applicable)	1 set		
		1.2.11	All Gaskets	1 set		
		1.2.12	Motor and Motor Bearings	1 set		
		1.2.13	Line Shaft Couplings (if applicable)	1 set		
		Spares for L	ubrication Water Pumps			
		1.2.14	Impeller with nuts and other accessories	1 set		
		1.2.15	Impeller Shaft with fasteners	1 set		
	Raw Water (Ash) Pumps	1.2.16	Shaft Sleeves	1 set		
		1.2.17	Wearing rings – Impeller (if applicable)	1 set		
		1.2.18	Wearing Rings – Casing (if applicable)	1 set		
1.2		1.2.19	Pump bearings	1 set		
1.2		1.2.20	Thrust bearings	1 set		
		1.2.21	Pump & Drive Coupling compl. assy. & coupling Guards	1 set		
		1.2.22	Pump to drive coupling bushes with fasteners	1 set		
		1.2.23	Gland, Packing & Gland Assembly / Mech. seal as applicable	1 set		
		1.2.24	Motor for Lubrication Water Pumps	1 No		
		C&I Spares	(If applicable)	1		
		1.2.25	Transmitters of all types and model. (for the measurement of Pressure, differential pressure, flow, level, etc.) including local indication ( if applicable)	2 Nos. of each type and model.		
		1.2.26	Pressure gauges	1 no. of each range and type		
		1.2.27	Differential Pressure Gauges,	1 no. of each range and type		
		1.2.28	All types of Rota meters	1 no. of each range		
		1.2.29	Process Actuated Switch Devices -As	applicable for this pac	kage, as per the following	items
		1.2.29 (a)	Flow switches	1 no. of each range and type		
		1.2.29 (b)	Solenoid Valves	2 nos. of each type, model and rating.		
		1.2.30	Electric Actuators	1 no. of each type, class, size and model whichever is more.		

				SCHEDULE OF PRICES - M						
				2X800 MW SINGRAUL	I STPP STA	AGE-III				
			RIPTION OF WORKS (		иом	QUANTITY	UNIT EX-WORKS PRICE INCLUDING PACKING (INR)	TOTAL EX-WORKS PRICE INCLUDING PACKING (INR)		
	manufacture avoid dama Miscellaned transportation requirement checks of po- as per spec	rer's and/or age of item ous Pumps tion to site, nts specified oump moto cification F	or his sub-contractors we ms during transportation as (along with Motors & n , complete with all other ed in the specification, s or set at site, PG Test at	mandatory spares as applicable), raccessories as per the site services including installation at site and any other services, etc. 1002, REV-00 for Misc. Pumps						
1.0	Pumps ar	nd Motor	rs (Vertical Pumps):							
	(i)	AUX. CT	PUMPS							
			Pump price:		Nos.	4				
			Motor price:		Nos.	BHEL SCOPE				
			Forced Water Lubrica	ition System	Set	1				
	ļ	<del></del>	Mandatory Spares ( as	s per Annexure -A)	Lot	1				
	<u> </u>	<del> </del>		<u> </u>	<u> </u>	<del>                                     </del>				
<u> </u>										
2.0	SITE SERVICES:									
2.1	Installation	n Check (F	For all Pumps) at Site	as per Specification		<del> </del>		г		
	Site Visit Ch				Nos. of Visits Nos. of	4				
	Manday Ch				Mandays	16				
2.2	Lumpsum	cost for F		site as per Specification	Lot	1				
<u> </u>	TOTAL (1.0+ 2.0)									
NOTES:										
a)	Service cha	arges at S	I.no 2.1.1. shall include	to/fro travel expenses, medical an	nd 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 fc	or Sl. No. 2	2.1 shall be done based	d on actual consumed site visits and	d mandays.					
d)		Price of commissioning & erection spares, special Tools & tackle and other accessories not listed above shall be included in the price of pump & shall be supplied with the pump.								
e)	For items st detail engin			, shall have to be supplied without	any cost impli	ication to BHEL in	the event they are found t	o be applicable during		
f)	Please refe	er technica	al specification for detail	ſ.						
g)	1. One(1) so required to a 2. Bidder sh	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. Bidder shall not indicate "Not Applicable" against any of the spare (except for those items for which "if applicable" is specified). In case of not applicability, functionally equivalent spare to be mentioned with price in the relevant price schedules. Bidder shall not mention any remark other than price value in relevant								
Bidder sh		<u> </u>		"Quoted" against each item alo				<u> </u>		

## SCHEDULE OF PRICES -ANNEXURE-A MANDATORY SPARES OF MISC. PUMPS (VERTICAL)

## 2X800 MW SINGRAULI STPP STAGE-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 SPAR					
		1.1.1	Impeller with nuts & washers	1 set		
		1.1.2	Bearings for Line, Head and Impeller shafts	1 set		
		1.1.3	Thrust Bearings of pump & drive	1 set		
		1.1.4	Wearing rings – Impeller (if applicable)	1 set		
		1.1.5	Wearing rings – Casing (if applicable)	1 set		
		1.1.6	Gland, packing & gland assembly	1 set		
		1.1.7	Impeller Shaft, line shaft and head shaft	1 set		
		1.1.8	Shaft Sleeves	1 set		
		1.1.9	Stuffing box	1 set		
		1.1.10	Pump & Drive Coupling, bushes, pins with all fasteners & coupling guards (as applicable)	1 set		
		1.1.11	All Gaskets	1 set		
		1.1.12	Line Shaft Couplings (if applicable)	1 set		
		Spares for L	ubrication Water Pumps			
		1.1.13	Impeller with nuts and other accessories	1 set		
		1.1.14	Impeller Shaft with fasteners	1 set		
		1.1.15	Shaft Sleeves Wearing rings – Impeller (if	1 set		
		1.1.16	applicable) Wearing Rings – Casing (if	1 set		
		1.1.17	applicable)	1 set		
	AUX. CT PUMPS	1.1.18	Pump bearings	1 set		
		1.1.19	Thrust bearings Pump & Drive Coupling compl. assy.	1 set		
		1.1.20	& coupling Guards	1 set		
		1.1.21	Pump to drive coupling bushes with fasteners	1 set		
1.1		1.1.22	Gland, Packing & Gland Assembly / Mech. seal as applicable	1 set		
		1.1.23	Motor for Lubrication Water Pumps	1 No		
		C&I Spares				
		1.1.24	Transmitters of all types and model. (for the measurement of Pressure, differential pressure, flow, level, etc.) including local indication ( if applicable)	2 Nos. of each type and model.		
		1.1.25	RTD'S	1 no. of each type		
		1.1.26	Pressure gauges	1 no. of each range and type		
		1.1.27	Differential Pressure Gauges,	1 no. of each range and type		
		1.1.28	Flow gauges excluding Rota meters (if applicable)	1 no. of each range and type		
		1.1.29	All types of Rota meters (if applicable)	1 no. of each range		
		1.1.30	Process Actuated Switch Devices -As		s per the following items	
		1.1.30 (i)	Flow switches	1 no. of each range and type		
		1.1.30 (ii)	Solenoid Valves	2 nos. of each type, model and rating.		
		1.1.30 (iii)	Limit Switches (for Pneumatic Valves and Manual valves)	2 nos. of each type		
		1.1.31	Electric Actuators -As applicable for th	is package, as per the following	ng items	
		1.1.31 (i)	Electric Actuators	1 no. of each type, class, size and model whichever is more.		
		1.1.31 (ii)	Electronic PCB of all types	(10% of each type & model)		
		1.1.31 (iii)	Absolute Encoder (replaceable part)	(5% of each type & model)		
		1.1.31 (iv)	Electronic Torque sensoR	(5% of each type & model)		