GeM Bid No: GEM/YYYY/B/NNNNNNN, Date: DD-MM-YYYY

Material Description: BLOOM SKID ROLLER CONVEYOR GEARED MOTOR - SP2000250201

PR Item No.	Description	Requirement	Qty. (NO)
10	RC geared motor-Bloom skid (Planetary)	As per specification below	5

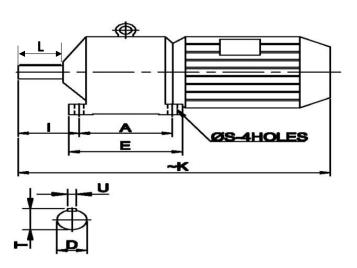
Sl. No.	Specification	BHEL's requirement	Bidder's Response
1	Motor Specification		
1.1	Make	Bidder to specify	
1.2	Model / Part Number	Bidder to specify	
1.3	Rated Power	7.5 kW	
1.4	Rated Torque	Bidder to specify	
1.5	Maximum Torque	1.6 times rated torque	
1.6	Rated Voltage	415 V (Δ)	
1.7	Rated Frequency	50 Hz	
1.8	Rated Speed	1450 RPM	
1.9	Rated Current	Bidder to specify	
1.10	Efficiency	Bidder to specify Bidder to specify	
1.11	Power Factor	Bidder to specify Bidder to specify	
1.11	Frame Size	132 M	
1.12	Mounting Position	IM B5 (Flange)	
1.13	Degree of Protection	IP 55	
1.14	Insulation Class	F F	
1.15	Duty of Rating	S5	
1.17	Cyclic Duration Factor	10%	
1.17	Starts per Hour	60	
1.19	Starting Method	Variable Frequency Drive	
1.19	Direction of Rotation	Bi-Directional	
1.21	Method of Cooling	IC 411 (TEFC)	
1.21	Locaation of Terminal Box	Left (when viewed from Non drive end)	
1.23	Confirming Standard	IS 325	
2	Gearbox Specification	13 323	
	Gearbox Specification	Gears and pinions of planetary type made out	
		of alloy steel in generating process, further	
2.1	Construction	hardened and ground to high precision and	
2.2	Rated Torque	accuracy. 1055 Nm	
2.2	Maximum Torque	1687 Nm	
2.3	Rated Speed	68 RPM	
2.4	Gear Ratio	21.32	
2.5	Load Classification	AGMA Class III	
2.7	Service Factor	Shall be not less than 2.0	
2.7	Mounting Position	IM B3 (Foot)	
2.9	Lubrication Nipple	Shall be provided	
3	Dimensional Details	Janan be provided	
3.1	Difficultional Decails	A = 368	
3.2	+	B = 384	
3.3	+	ØD = 63.5 j6	
3.4	+	E = 435	
3.5	+	F = 473	
3.6	Dimensions as per the drawing given below.	H = 197	
3.7	All Dimensions are in mm.		
	All Dimensions are in mill.	I = 203 K = 890	
3.8	+	k = 890 L = 121	
3.9	+		
3.10	+	ØS = 20	
3.11	+	T = 70.5 +0.2	
3.12		U = 18	<u> </u>

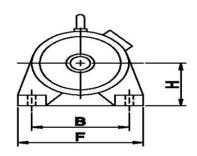
GeM Bid No: GEM/YYYY/B/NNNNNNN, Date: DD-MM-YYYY

Material Description: BLOOM SKID ROLLER CONVEYOR GEARED MOTOR - SP2000250201

PR Item No.	Description	Requirement	Qty. (NO)
10	RC geared motor-Bloom skid (Planetary)	As per specification below	5

SI. No. Specification BHEL's requirement
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4	QUALIFYING CONDITIONS AND DOCUMENTS TO BI	SUBMITTED	
	Only those Bidders who have supplied similar or		
4.1	higher capacity/ size equipment that is working	Bidder to confirm. Shall be provided with	
4.1	satisfactorily for at least two year after	supporting documents	
	commissioning should quote.		
4.2	Motor Data Sheet	Bidder to attach along with offer	
4.3	Motor GA Drawing	Bidder to attach along with offer	
4.4	Gearbox Data Sheet	Bidder to attach along with offer	
4.5	Gearbox GA Drawing	Bidder to attach along with offer	
4.6	Routine Test Reports	To be provide during the supply of goods	
4.7	Operation and Maintenance manuals	To be provide during the supply of goods	
4.8	Detailed Engineering drawing of gear box	To be provide during the supply of goods	

Vendor Name & Address

Signature & Office Seal of the vendor

GeM Bid No: GEM/YYYY/B/NNNNNNN, Date: DD-MM-YYYY

Material Description: COLD SAW ROLLER CONVEYOR GEARED MOTOR - SP2000250265

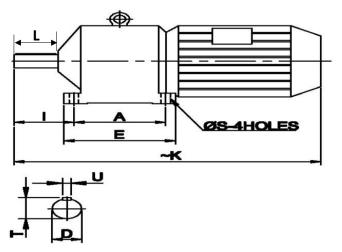
PR Item No.	Description	Requirement	Qty. (NO)
100	RC geared motor-Cold saw (Planetary)	As per specification below	25

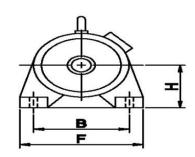
Sl. No.	Specification	BHEL's requirement	Bidder's Response
1	Motor Specification	·	
1.1	Make	Bidder to specify	
1.2	Model / Part Number	Bidder to specify	
1.3	Rated Power	5.5 kW	
1.4	Rated Torque	Bidder to specify	
1.5	Maximum Torque	1.6 times rated torque	
1.6	Rated Voltage	415 V (Δ)	
1.7	Rated Frequency	50 Hz	
1.8	Rated Speed	1450 RPM	
1.9	Rated Current	Bidder to specify	
1.10	Efficiency	Bidder to specify	
1.11	Power Factor	Bidder to specify	
1.12	Frame Size	132 S	
1.13	Mounting Position	IM B5 (Flange)	
1.14	Degree of Protection	IP 55	
1.15	Insulation Class	F	
1.16	Duty of Rating	S5	
1.17	Cyclic Duration Factor	30%	
1.17	Starts per Hour	180	
1.19	Starting Method	Variable Frequency Drive	
1.20	Direction of Rotation	Bi-Directional	
1.21	Method of Cooling	IC 411 (TEFC)	
1.22	Locaation of Terminal Box	Left (when viewed from Non drive end)	
1.23	Confirming Standard	IS 325	
2	Gearbox Specification	13 323	
	Gearbox Specification	Gears and pinions of planetary type made out	
		of alloy steel in generating process, further	
2.1	Construction	hardened and ground to high precision and	
2.2	Rated Torque	accuracy. 255 Nm	
2.3	Maximum Torque	408 Nm	
2.4	Rated Speed	206 RPM	
2.5	Gear Ratio	7.04	
		AGMA Class III	
2.6	Load Classification		
2.7	Service Factor	Shall be not less than 2.0	
2.8	Mounting Position	IM B3 or IM B8 (Foot)-must be suitable for	
2.0		both	
2.9	Lubrication Nipple	Shall be provided	
3	Dimensional Details	IA 220	1
3.1	-	A = 230	
3.2	-	B = 250	
3.3	-	ØD = 50 (k6)	
3.4	-	E = 280	
3.5	 	F = 310	
3.6	Dimensions as per the drawing given below.	H = 160	
3.7	All Dimensions are in mm.	I = 150	
3.8	1	K = 762	
3.9	1	L = 110	
3.10		ØS = 23	
3.11		T = 53.5	
3.12		U = 14	

Material Description: COLD SAW ROLLER CONVEYOR GEARED MOTOR - SP2000250265

PR Item No.	Description	Requirement	Qty. (NO)
100	RC geared motor-Cold saw (Planetary)	As per specification below	25

7	C:6:+:	DUCUL as automos and	Diddeda December
SI. No.	Specification	BHEL's requirement	Bidder's Response





4	QUALIFYING CONDITIONS AND DOCUMENTS TO B	E SUBMITTED	
4.1	Only those Bidders who have supplied similar or higher capacity/ size equipment that is working satisfactorily for at least two year after commissioning should quote.	Bidder to confirm. Shall be provided with supporting documents	
4.2	Motor Data Sheet	Bidder to attach along with offer	
4.3	Motor GA Drawing	Bidder to attach along with offer	
4.4	Gearbox Data Sheet	Bidder to attach along with offer	
4.5	Gearbox GA Drawing	Bidder to attach along with offer	
4.6	Routine Test Reports	To be provide during the supply of goods	
4.7	Operation and Maintenance manuals	To be provide during the supply of goods	
4.8	Detailed Engineering drawing of gear box	To be provide during the supply of goods	

Vendor Name & Address

Signature & Office Seal of the vendor

Material Description: COLD SAW ROLLER CONVEYOR GEARED MOTOR(HELICAL) - SP2000250272

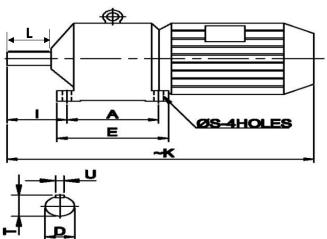
PR Item No.	Description	Requirement	Qty. (NO)
110	CS RC GEARED MOTOR (Helical)	As per specification below	25

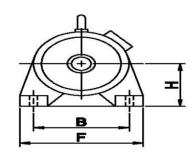
Sl. No.	Specification	BHEL's requirement	Bidder's Response
1	Motor Specification	·	•
1.1	Make	Bidder to specify	
1.2	Model / Part Number	Bidder to specify	
1.3	Rated Power	5.5 kW	
1.4	Rated Torque	Bidder to specify	
1.5	Maximum Torque	1.6 times rated torque	
1.6	Rated Voltage	415 V (Δ)	
1.7	Rated Frequency	50 Hz	
1.8	Rated Speed	1450 RPM	
1.9	Rated Current	Bidder to specify	
1.10	Efficiency	Bidder to specify	
1.11	Power Factor	Bidder to specify	
1.12	Frame Size	132 S	
1.13	Mounting Position	IM B5 (Flange)	
1.14	Degree of Protection	IP 55	
1.15	Insulation Class	F	
1.16	Duty of Rating	S5	
1.17	Cyclic Duration Factor	30%	
1.18	Starts per Hour	180	
1.19	Starting Method	Variable Frequency Drive	
1.20	Direction of Rotation	Bi-Directional	
1.21	Method of Cooling	IC 411 (TEFC)	
1.22	Locaation of Terminal Box	Left (when viewed from Non drive end)	
1.23	Confirming Standard	IS 325	
2	Gearbox Specification	15 323	
2.1	Construction	Gears and pinions of Helical type made out of alloy steel in generating process, further hardened and ground to high precision and	
		accuracy.	
2.2	Rated Torque	255 Nm	
2.3	Maximum Torque	408 Nm	
2.4	Rated Speed	206 RPM	
2.5	Gear Ratio	7.04	
2.6	Load Classification	AGMA Class III	
2.7	Service Factor	Shall be not less than 2.0	
2.8	Mounting Position	IM B3 or IM B8 (Foot)-must be suitable for both	
2.9	Lubrication Nipple	Shall be provided	
3	Dimensional Details		-
3.1		A = 230	
3.2	1	B = 250	
3.3	1	ØD = 50 (k6)	
3.4	1	E = 280	
3.5	1	F = 310	
3.6	Dimensions as per the drawing given below.	H = 160	
3.7	All Dimensions are in mm.	I = 150	
3.8	†	K = 762	
3.9	†	L = 110	
3.10	†	ØS = 23	
		P3 23	1
3.11		T = 53.5	

Material Description: COLD SAW ROLLER CONVEYOR GEARED MOTOR(HELICAL) - SP2000250272

PR Item No.	Description	Requirement	Qty. (NO)
110	CS RC GEARED MOTOR (Helical)	As per specification below	25

SI. No. 1	Specification	BHEL's requirement	Bidder's Response
31. 140.	Specification	Di ILL 3 l'Equil ellielle	Diddel 3 Nesponse





4	QUALIFYING CONDITIONS AND DOCUMENTS TO BI	E SUBMITTED	
	Only those Bidders who have supplied similar or		
4.1	higher capacity/ size equipment that is working	Bidder to confirm. Shall be provided with	
4.1	satisfactorily for at least two year after	supporting documents	
	commissioning should quote.		
4.2	Motor Data Sheet	Bidder to attach along with offer	
4.3	Motor GA Drawing	Bidder to attach along with offer	
4.4	Gearbox Data Sheet	Bidder to attach along with offer	
4.5	Gearbox GA Drawing	Bidder to attach along with offer	

Vendor Name & Address

Routine Test Reports

Operation and Maintenance manuals

Detailed Engineering drawing of gear box

4.6

4.7

4.8

Signature & Office Seal of the vendor

To be provide during the supply of goods

To be provide during the supply of goods

To be provide during the supply of goods

GeM Bid No: GEM/YYYY/B/NNNNNNN, Date: DD-MM-YYYY

Material Description: RHF CHARGING ROLLER CONVEYOR GEARED MOTOR - SP2000250208

PR Item No.	Description	Requirement	Qty. (NO)
20	RC geared motor-RHF Charging RC (Planetary)	As per specification below	40

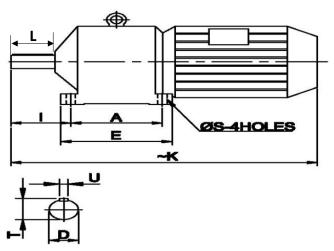
Sl. No.	Specification	BHEL's requirement	Bidder's Response
1	Motor Specification		Didde on opened
1.1	Make	Bidder to specify	
1.2	Model / Part Number	Bidder to specify	
1.3	Rated Power	3.7 kW	
1.4	Rated Torque	Bidder to specify	
1.5	Maximum Torque	1.6 times rated torque	
1.6	Rated Voltage	415 V (Δ)	
1.7	Rated Frequency	50 Hz	
1.8	Rated Speed	1450 RPM	
1.9	Rated Current	Bidder to specify	
1.10	Efficiency	Bidder to specify	
1.11	Power Factor	Bidder to specify	
1.12	Frame Size	112 M	
1.13	Mounting Position	IM B5 (Flange)	
1.13	Degree of Protection	IP 55	
1.14	Insulation Class	F	
1.15	Duty of Rating	S5	
1.17	Cyclic Durating Cyclic Duration Factor	40%	
1.17	Starts per Hour	120	
1.19	Starting Method	Variable Frequency Drive	
1.13	Direction of Rotation	Bi-Directional	
1.21	Method of Cooling	IC 411 (TEFC)	
1.22	Locaation of Terminal Box	Left (when viewed from Non drive end)	
1.23	Confirming Standard	IS 325	
2	Gearbox Specification	13 323	
	Gearbox Specification	Gears and pinions of planetary type made out	
		of alloy steel in generating process, further	
2.1	Construction	hardened and ground to high precision and	
		accuracy.	
2.2	Rated Torque	635 Nm	
2.3	Maximum Torque	1016 Nm	
2.4	Rated Speed	56 RPM	
2.5	Gear Ratio	25.89	
2.6	Load Classification	AGMA Class III	
2.7	Service Factor	Shall be not less than 2.0	
2.8	Mounting Position	IM B3 (Foot)	
2.9	Lubrication Nipple	Shall be provided	
3	Dimensional Details	Johan De provided	l
3.1		A = 298	
3.2	†	B = 318	
3.3	†	ØD = 44.45 j6	
3.4	†	E = 356	
3.5	†	F = 387	
3.6	Dimensions as per the drawing given below.	H = 171	
3.7	All Dimensions are in mm.	I = 129	
3.8	A Simensions are in mill.	K = 760	
3.9	+	L = 83	
3.10	+	\emptyset S = 17	
3.11	1	T = 48.69	
3.11	+	U = 9.52	
3.12		U - J.JZ	

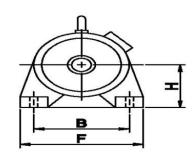
GeM Bid No: GEM/YYYY/B/NNNNNNN, Date: DD-MM-YYYY

Material Description: RHF CHARGING ROLLER CONVEYOR GEARED MOTOR - SP2000250208

PR Item No.	Description	Requirement	Qty. (NO)
20	RC geared motor-RHF Charging RC (Planetary)	As per specification below	40

Sl. No.	Specification	BHEL's requirement	Bidder's Response	ĺ
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4	QUALIFYING CONDITIONS AND DOCUMENTS TO BE SUBMITTED		
4.1	Only those Bidders who have supplied similar or higher capacity/ size equipment that is working satisfactorily for at least two year after commissioning should quote.	Bidder to confirm. Shall be provided with supporting documents	
4.2	Motor Data Sheet	Bidder to attach along with offer	
4.3	Motor GA Drawing	Bidder to attach along with offer	
4.4	Gearbox Data Sheet	Bidder to attach along with offer	
4.5	Gearbox GA Drawing	Bidder to attach along with offer	
4.6	Routine Test Reports	To be provide during the supply of goods	
4.7	Operation and Maintenance manuals	To be provide during the supply of goods	
4.8	Detailed Engineering drawing of gear box	To be provide during the supply of goods	

Vendor Name & Address

Signature & Office Seal of the vendor

Material Description: RHF TO CPE ROLLER CONVEYOR GEARED MOTOR - SP2000250215

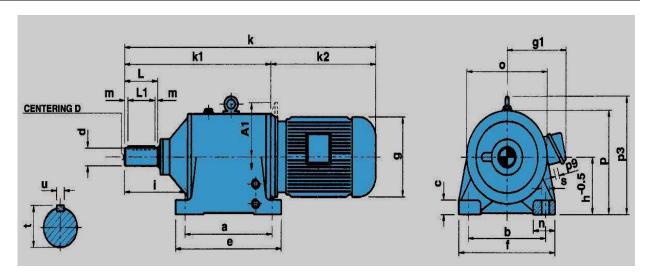
PR Item No.	Description	Requirement	Qty. (NO)
30	RC geared motor-RC to CPE (Planetary)	As per specification below	15

Sl. No.	Charification	BHEL's requirement	Piddor's Posnonso
31. NO.	Specification Motor Specification	BHEL'S requirement	Bidder's Response
1.1	Make	Bidder to specify	
1.1	Model / Part Number	Bidder to specify Bidder to specify	
1.3	Rated Power	5.5 kW	
1.4	Rated Torque	Bidder to specify	
1.5	Maximum Torque	1.6 times rated torque	
1.6	Rated Voltage	415 V (Δ)	
1.7	Rated Frequency	50 Hz	
1.8	Rated Speed	1450 RPM	
1.9	Rated Current	Bidder to specify	
1.10	Efficiency	Bidder to specify Bidder to specify	
1.11	Power Factor	Bidder to specify Bidder to specify	
1.12	Frame Size	132 S	
1.13	Mounting Position	IM B5 (Flange)	
1.14	Degree of Protection	IP 55	
1.14	Insulation Class	F	
1.13	Duty of Rating	S5	
1.17	Cyclic Duration Factor	30%	
1.18	Starts per Hour	180	
1.19	Starting Method	Variable Frequency Drive	
1.20	Direction of Rotation	Bi-Directional	
1.21	Method of Cooling	IC 411 (TEFC)	
1.22	Locaation of Terminal Box	Left (when viewed from Non drive end)	
1.23	Confirming Standard	IS 325	
2	Gearbox Specification	10 020	
_		Gears and pinions of planetary type made out	
		of alloy steel in generating process, further	
2.1	Construction	hardened and ground to high precision and	
		accuracy.	
2.2	Rated Torque	172 Nm	
2.3	Maximum Torque	275 Nm	
2.4	Rated Speed	306 RPM	
2.5	Gear Ratio	4.74	
2.6	Load Classification	AGMA Class III	
2.7	Service Factor	Shall be not less than 2.0	
2.8	Mounting Position	IM B3 (Foot)	
2.9	Lubrication Nipple	Shall be provided	
3	Dimensional Details	•	
3.1		a=200	
3.2		b=205	
3.3		c=30	
3.4		e=240	
3.5		f=250	
3.6		n=256	
3.7		s=18	
3.8		g=267	
3.9		g1=207	
3.10		h=132	
3.11		i=142	
3.12		k=735	
3.13	Dimensions as per the drawing given below.	k1=316	
3.14	All Dimensions are in mm.	k2=419	

Material Description: RHF TO CPE ROLLER CONVEYOR GEARED MOTOR - SP2000250215

PR Item No.	Description	Requirement	Qty. (NO)
30	RC geared motor-RC to CPE (Planetary)	As per specification below	15

Sl. No.	Specification	BHEL's requirement	Bidder's Response
3.15		o=220	
3.16		p=242	
3.17		p3=285	
3.18		p9=21	
3.19		A1=250	
3.20		d=40k6	
3.21		L=110	
3.22		L1=100	
3.23		m=5	
3.24		t=43	
3.25		u=12	
3.26		D=M16	



4	QUALIFYING CONDITIONS AND DOCUMENTS TO BE	SUBMITTED
	Only those Bidders who have supplied similar or	
4.1	higher capacity/ size equipment that is working	Bidder to confirm. Shall be provided with
4.1	satisfactorily for at least two year after	supporting documents
	commissioning should quote.	
4.2	Motor Data Sheet	Bidder to attach along with offer
4.3	Motor GA Drawing	Bidder to attach along with offer
4.4	Gearbox Data Sheet	Bidder to attach along with offer
4.5	Gearbox GA Drawing	Bidder to attach along with offer
4.6	Routine Test Reports	To be provide during the supply of goods
4.7	Operation and Maintenance manuals	To be provide during the supply of goods
4.8	Detailed Engineering drawing of gear box	To be provide during the supply of goods

Vendor Name & Address

Signature & Office Seal of the vendor

GeM Bid No: GEM/YYYY/B/NNNNNNN, Date: DD-MM-YYYY

Material Description: CPE ALIGNING ROLLER CONVEYOR GEARED MOTOR - SP2000250222

PR Item No.	Description	Requirement	Qty. (NO)
40	RC geared motor-Manipulator Aligning RC (Planetary)	As per specification below	10

Sl. No.	Specification	BHEL's requirement	Bidder's Response
1	Motor Specification	•	
1.1	Make	Bidder to specify	
1.2	Model / Part Number	Bidder to specify	
1.3	Rated Power	1.1 kW	
1.4	Rated Torque	Bidder to specify	
1.5	Maximum Torque	1.6 times rated torque	
1.6	Rated Voltage	415 V (Δ)	
1.7	Rated Frequency	50 Hz	
1.8	Rated Speed	1450 RPM	
1.9	Rated Current	Bidder to specify	
1.10	Efficiency	Bidder to specify	
1.11	Power Factor	Bidder to specify	
1.12	Frame Size	90 S	
1.13	Mounting Position	IM B5 (Flange)	
1.14	Degree of Protection	IP 55	
1.15	Insulation Class	F	
1.16	Duty of Rating	S5	
1.17	Cyclic Duration Factor	10%	
1.18	Starts per Hour	180	
1.19	Starting Method	Variable Frequency Drive	
1.20	Direction of Rotation	Bi-Directional	
1.21	Method of Cooling	IC 411 (TEFC)	
1.22	Locaation of Terminal Box	Left (when viewed from Non drive end)	
1.23	Confirming Standard	IS 325	
2	Gearbox Specification	13 323	
	- Courses openinous on	Gears and pinions of planetary type made out	
		of alloy steel in generating process, further	
2.1	Construction	hardened and ground to high precision and	
		accuracy.	
2.2	Rated Torque	86 Nm	
2.3	Maximum Torque	138 Nm	
2.4	Rated Speed	126 RPM	
2.5	Gear Ratio	11.51	
2.6	Load Classification	AGMA Class III	
2.7	Service Factor	Shall be not less than 2.0	
2.8	Mounting Position	IM B3 (Foot)	
2.9	Lubrication Nipple	Shall be provided	
3	Dimensional Details	Shall be provided	
3.1		A = 168	
3.2	†	B = 138	
3.3	†	ØD = 30 (k6)	
3.4	†	E = 200	
3.5	Dimensions as per the drawing given below.	F = 195	
3.6	All Dimensions are in mm.	H = 115	
3.7		I = 115	
3.8	+	K = 550	
3.9	+	L = 55	
3.10	4	$ \emptyset S = 18 $	

GeM Bid No: GEM/YYYY/B/NNNNNNN, Date: DD-MM-YYYY

Material Description: CPE ALIGNING ROLLER CONVEYOR GEARED MOTOR - SP2000250222

It	PR em No.	Description	Requirement	Qty. (NO)
	40	RC geared motor-Manipulator Aligning RC (Planetary)	As per specification below	10

SI. No. | Specification | BHEL's requirement | Bidder's Response

4	QUALIFYING CONDITIONS AND DOCUMENTS TO BE	SUBMITTED	
4.1	Only those Bidders who have supplied similar or higher capacity/ size equipment that is working satisfactorily for at least two year after commissioning should quote.	Bidder to confirm. Shall be provided with supporting documents	
4.2	Motor Data Sheet	Bidder to attach along with offer	
4.3	Motor GA Drawing	Bidder to attach along with offer	
4.4	Gearbox Data Sheet	Bidder to attach along with offer	
4.5	Gearbox GA Drawing	Bidder to attach along with offer	
4.6	Routine Test Reports	To be provide during the supply of goods	
4.7	Operation and Maintenance manuals	To be provide during the supply of goods	
4.8	Detailed Engineering drawing of gear box	To be provide during the supply of goods	

Vendor Name & Address

Signature & Office Seal of the vendor

GeM Bid No: GEM/YYYY/B/NNNNNNN, Date: DD-MM-YYYY

Material Description: CPE EMERGENCY ROLLER CONVEYOR GEARED MOTOR - SP2000250229

PR Item No.	Description	Requirement	Qty. (NO)
1 50	RC geared motor-Manipulator Emergency RC (Planetary)	As per specification below	5

	-		T
Sl. No.	Specification	BHEL's requirement	Bidder's Response
1	Motor Specification	le: II	Ī
1.1	Make	Bidder to specify	
1.2	Model / Part Number	Bidder to specify	
1.3	Rated Power	5.5 kW	
1.4	Rated Torque	Bidder to specify	
1.5	Maximum Torque	1.6 times rated torque	
1.6	Rated Voltage	415 V (Δ)	
1.7	Rated Frequency	50 Hz	
1.8	Rated Speed	1450 RPM	
1.9	Rated Current	Bidder to specify	
1.10	Efficiency	Bidder to specify	
1.11	Energy Class	IE2	
1.12	Power Factor	Bidder to specify	
1.13	Frame Size	132 S	
1.14	Mounting Position	IM B5 (Flange)	
1.15	Degree of Protection	IP 55	
1.16	Insulation Class	F	
1.17	Duty of Rating	S3	
1.18	Starting Method	Variable Frequency Drive	
1.19	Direction of Rotation	Bi-Directional	
1.20	Method of Cooling	IC 411 (TEFC)	
1.21	Locaation of Terminal Box	Left (when viewed from Non drive end)	
1.22	Confirming Standard	IS 325	
2	Gearbox Specification		
		Gears and pinions of planetary type made out	
2.1	Construction	of alloy steel in generating process, further	
2.1	Construction	hardened and ground to high precision and	
		accuracy.	
2.2	Rated Torque	340 Nm	
2.3	Maximum Torque	542 Nm	
2.4	Rated Speed	155 RPM	
2.5	Gear Ratio	9.36	
2.6	Load Classification	AGMA Class III	
2.7	Service Factor	Shall be not less than 2.0	
2.8	Mounting Position	IM B3 (Foot)	
2.9	Lubrication Nipple	Shall be provided	
3	Dimensional Details		
3.1		A = 160	
3.2		B = 220	
3.3		ØD = 42 (k6)	
3.4		E = 195	
3.5		F = 275	
3.6	Dimensions as per the drawing given below.	H = 180	
3.7	All Dimensions are in mm.	I = 100	
3.8		K = 700	
3.9		L = 90	
3.10		ØS = 18	
3.11		T = 46	
3.12		U = 12	

GeM Bid No: GEM/YYYY/B/NNNNNNN, Date: DD-MM-YYYY

Material Description: CPE EMERGENCY ROLLER CONVEYOR GEARED MOTOR - SP2000250229

PR Item No.	Description	Requirement	Qty. (NO)
1 50	RC geared motor-Manipulator Emergency RC (Planetary)	As per specification below	5

Sl. No. Specification BHEL's requirement Bidder's Response E

4	QUALIFYING CONDITIONS AND DOCUMENTS TO BE	SUBMITTED	
4.1	Only those Bidders who have supplied similar or higher capacity/ size equipment that is working satisfactorily for at least two year after commissioning should quote.	Bidder to confirm. Shall be provided with supporting documents	
4.2	Motor Data Sheet	Bidder to attach along with offer	
4.3	Motor GA Drawing	Bidder to attach along with offer	
4.4	Gearbox Data Sheet	Bidder to attach along with offer	
4.5	Gearbox GA Drawing	Bidder to attach along with offer	
4.6	Routine Test Reports	To be provide during the supply of goods	
4.7	Operation and Maintenance manuals	To be provide during the supply of goods	
4.8	Detailed Engineering drawing of gear box	To be provide during the supply of goods	

Vendor Name & Address

Signature & Office Seal of the vendor

GeM Bid No: GEM/YYYY/B/NNNNNNN, Date: DD-MM-YYYY

Material Description: MANDREL BAR EXTRACTOR ROLLER CONVEYOR GEARED MOTOR - SP2000250236

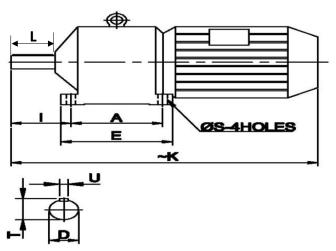
PR Item No.	Description	Requirement	Qty. (NO)
60	RC geared motor-RC to MBE (Planetary)	As per specification below	15

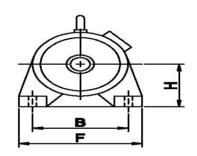
CL N	0 10 11	DUE!!	D'II. I. D
Sl. No.	Specification Specification	BHEL's requirement	Bidder's Response
1	Motor Specification	Diddonto o sito	
1.1	Make Model / Part Number	Bidder to specify	
1.2	,	Bidder to specify 7.5 kW	
——	Rated Power		
1.4	Rated Torque	Bidder to specify	
1.5 1.6	Maximum Torque	1.6 times rated torque	
1.7	Rated Voltage	415 V (Δ) 50 Hz	
-	Rated Frequency	1450 RPM	
1.8 1.9	Rated Speed		
-	Rated Current	Bidder to specify	
1.10	Efficiency	Bidder to specify	
1.11	Power Factor	Bidder to specify	
1.12	Frame Size	132 M	
1.13	Mounting Position	IM B5 (Flange)	
1.14	Degree of Protection Insulation Class	IP 55	
1.15		S5	
1.16	Duty of Rating		
1.17	Cyclic Duration Factor	30%	
1.18	Starts per Hour	180	
1.19	Starting Method	Variable Frequency Drive	
1.20	Direction of Rotation	Bi-Directional	
1.21	Method of Cooling	IC 411 (TEFC)	
1.22	Locaation of Terminal Box	Left (when viewed from Non drive end)	
1.23	Coordinate	IS 325	
2	Gearbox Specification		T
		Gears and pinions of planetary type made out	
2.1	Construction	of alloy steel in generating process, further	
		hardened and ground to high precision and	
2.2	Data d Tangura	accuracy.	
2.2	Rated Torque Maximum Torque	561 Nm 897 Nm	
2.3	Rated Speed	128 RPM	
2.4	Gear Ratio	11.33	
2.5	Load Classification	AGMA Class III	
2.7		Shall be not less than 2.0	
2.7	Service Factor Mounting Position	IM B3 (Foot)	
2.8	Mounting Position Lubrication Nipple	Shall be provided	
3	Dimensional Details	Isliali pe brovided	<u> </u>
3.1	Difficultional Details	A = 298	
3.1	+	B = 318	
3.3	†	ØD = 44.45 j6	
3.4	+	E = 356	
3.4	+	F = 387	
3.6	Dimensions as per the drawing given below.	H = 171	
3.7	All Dimensions are in mm.	I = 129	
3.8	7.4. Simensions are in film.	K = 881	
3.9	†	L = 83	
3.10	†	ØS = 17	
3.11	†	T = 48.69	
3.11	†	U = 14	
2.12	1	0 - 14	I

Material Description: MANDREL BAR EXTRACTOR ROLLER CONVEYOR GEARED MOTOR - SP2000250236

PR Item No.	Description	Requirement	Qty. (NO)
60	RC geared motor-RC to MBE (Planetary)	As per specification below	15

SI.	No.	Specification	BHEL's requirement	Bidder's Response





4	QUALIFYING CONDITIONS AND DOCUMENTS TO BE SUBMITTED				
4.1	Only those Bidders who have supplied similar or higher capacity/ size equipment that is working satisfactorily for at least two year after commissioning should quote.	Bidder to confirm. Shall be provided with supporting documents			
4.2	Motor Data Sheet	Bidder to attach along with offer			
4.3	Motor GA Drawing	Bidder to attach along with offer			
4.4	Gearbox Data Sheet	Bidder to attach along with offer			
4.5	Gearbox GA Drawing	Bidder to attach along with offer			
4.6	Routine Test Reports	To be provide during the supply of goods			
4.7	Operation and Maintenance manuals	To be provide during the supply of goods			
4.8	Detailed Engineering drawing of gear box	To be provide during the supply of goods			

Vendor Name & Address

Signature & Office Seal of the vendor

GeM Bid No: GEM/YYYY/B/NNNNNNN, Date: DD-MM-YYYY

Material Description: MANDREL BAR CIRCULATION ROLLER CONVEYOR GEARED MOTOR - SP2000250243

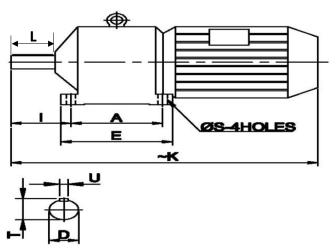
PR Item No.	Description	Requirement	Qty. (NO)
70	RC geared motor-MBC area (Planetary)	As per specification below	25

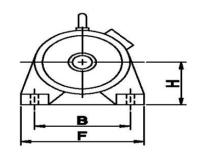
Sl. No.	Specification	BHEL's requirement	Bidder's Response
1	Motor Specification	- '	'
1.1	Make	Bidder to specify	
1.2	Model / Part Number	Bidder to specify	
1.3	Rated Power	5.5 kW	
1.4	Rated Torque	Bidder to specify	
1.5	Maximum Torque	1.6 times rated torque	
1.6	Rated Voltage	415 V (Δ)	
1.7	Rated Frequency	50 Hz	
1.8	Rated Speed	1450 RPM	
1.9	Rated Current	Bidder to specify	
1.10	Efficiency	Bidder to specify	
1.11	Energy Class	IE2	
1.12	Power Factor	Bidder to specify	
1.13	Frame Size	132 S	
1.14	Mounting Position	IM B5 (Flange)	
1.15	Degree of Protection	IP 55	
1.16	Insulation Class	F	
1.17	Duty of Rating	S1	
1.18	Starting Method	Variable Frequency Drive	
1.19	Direction of Rotation	Bi-Directional	
1.20	Method of Cooling	IC 411 (TEFC)	
1.21	Locaation of Terminal Box	Left (when viewed from Non drive end)	
1.22	Confirming Standard	IS 12615	
2	Gearbox Specification	-	
2.1	Construction	Gears and pinions of planetary type made out of alloy steel in generating process, further hardened and ground to high precision and accuracy.	
2.2	Rated Torque	220 Nm	
2.3	Maximum Torque	350 Nm	
2.4	Rated Speed	240 RPM	
2.5	Gear Ratio	6.04	
2.6	Load Classification	AGMA Class III	
2.7	Service Factor	Shall be not less than 2.0	
2.8	Mounting Position	IM B3 (Foot)	
2.9	Lubrication Nipple	Shall be provided	
3	Dimensional Details	'	!
3.1		A = 298	
3.2	†	B = 318	
3.3	†	ØD = 44.45 j6	
3.4	†	E = 356	
3.5	†	F = 387	
3.6	Dimensions as per the drawing given below.	H = 171	
3.7	All Dimensions are in mm.	I = 129	
3.8	†	K = 823	
3.9	†	L = 83	
3.10	†	ØS = 17	
3.11	†	T = 48.69	
3.12	†	U = 14	

Material Description: MANDREL BAR CIRCULATION ROLLER CONVEYOR GEARED MOTOR - SP2000250243

PR Item No.	Description	Requirement	Qty. (NO)
70	RC geared motor-MBC area (Planetary)	As per specification below	25

SI. No. Specification BHEL's requirement Bidder's Res





4	QUALIFYING CONDITIONS AND DOCUMENTS TO BE SUBMITTED				
4.1	Only those Bidders who have supplied similar or higher capacity/ size equipment that is working satisfactorily for at least two year after commissioning should quote.	Bidder to confirm. Shall be provided with supporting documents			
4.2	Motor Data Sheet	Bidder to attach along with offer			
4.3	Motor GA Drawing	Bidder to attach along with offer			
4.4	Gearbox Data Sheet	Bidder to attach along with offer			
4.5	Gearbox GA Drawing	Bidder to attach along with offer			
4.6	Routine Test Reports	To be provide during the supply of goods			
4.7	Operation and Maintenance manuals	To be provide during the supply of goods			
4.8	Detailed Engineering drawing of gear box	To be provide during the supply of goods			

Vendor Name & Address

Signature & Office Seal of the vendor

Material Description: HOT SAW/WALKING BEAM FURNACE ENTRY ROLLER CONVEYOR GEARED MOTOR - SP2000250251

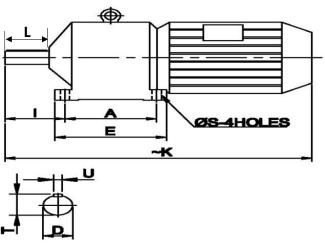
PR Item No.	Description	Requirement	Qty. (NO)
80	RC geared motor-HS and WBF (Planetary)	As per specification below	25

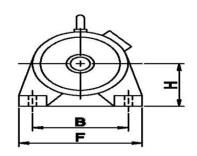
Sl. No.	Specification	BHEL's requirement	Bidder's Response
1	Motor Specification	· ·	
1.1	Make	Bidder to specify	
1.2	Model / Part Number	Bidder to specify	
1.3	Rated Power	5.5 kW	
1.4	Rated Torque	Bidder to specify	
1.5	Maximum Torque	1.6 times rated torque	
1.6	Rated Voltage	415 V (Δ)	
1.7	Rated Frequency	50 Hz	
1.8	Rated Speed	1450 RPM	
1.9	Rated Current	Bidder to specify	
1.10	Efficiency	Bidder to specify	
1.11	Power Factor	Bidder to specify	
1.12	Frame Size	132 S	
1.13	Mounting Position	IM B5 (Flange)	
1.14	Degree of Protection	IP 55	
1.15	Insulation Class	F	
1.16	Duty of Rating	S5	
1.17	Cyclic Duration Factor	30%	
1.18	Starts per Hour	180	
1.19	Starting Method	Variable Frequency Drive	
1.20	Direction of Rotation	Bi-Directional	
1.21	Method of Cooling	IC 411 (TEFC)	
1.22	Locaation of Terminal Box	Left (when viewed from Non drive end)	
1.23	Confirming Standard	IS 325	
2	Gearbox Specification	13 323	
	Gearbox Specification	Gears and pinions of planetary type made out	
		of alloy steel in generating process, further	
2.1	Construction	hardened and ground to high precision and	
2.2	Rated Torque	accuracy. 310 Nm	
2.3	Maximum Torque	495 Nm	
2.3	Rated Speed	170 RPM	
2.5	Gear Ratio	8.53	
2.6	Load Classification	AGMA Class III	
		Shall be not less than 2.0	
2.7	Service Factor Mounting Position		
2.8	Mounting Position	IM B3 (Foot) Shall be provided	
2.9	Lubrication Nipple Dimensional Details	onali be provided	
	Differsional Details	A = 200	
3.1	-	A = 298	
3.2	-	B = 318	
3.3	-	ØD = 44.45 j6	
3.4	-	E = 356	
3.5	Dimensions as partha drawing given halow	F = 387	
3.6	Dimensions as per the drawing given below.	H = 171	
3.7	All Dimensions are in mm.	I = 129	
3.8	-	K = 823	
3.9	-	L = 83	
3.10	-	ØS = 17	
3.11	1	T = 48.69	
3.12		U = 14	

Material Description: HOT SAW/WALKING BEAM FURNACE ENTRY ROLLER CONVEYOR GEARED MOTOR - SP2000250251

PR Item No.	Description	Requirement	Qty. (NO)
80	RC geared motor-HS and WBF (Planetary)	As per specification below	25

	ľ	Sl. No.	Specification	BHEL's requirement	Bidder's Response
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4	QUALIFYING CONDITIONS AND DOCUMENTS TO BE SUBMITTED		
4.1	Only those Bidders who have supplied similar or higher capacity/ size equipment that is working satisfactorily for at least two year after commissioning should quote.	Bidder to confirm. Shall be provided with supporting documents	
4.2	Motor Data Sheet	Bidder to attach along with offer	
4.3	Motor GA Drawing	Bidder to attach along with offer	
4.4	Gearbox Data Sheet	Bidder to attach along with offer	
4.5	Gearbox GA Drawing	Bidder to attach along with offer	
4.6	Routine Test Reports	To be provide during the supply of goods	
4.7	Operation and Maintenance manuals	To be provide during the supply of goods	
4.8	Detailed Engineering drawing of gear box	To be provide during the supply of goods	

Vendor Name & Address

Signature & Office Seal of the vendor

GeM Bid No: GEM/YYYY/B/NNNNNNN, Date: DD-MM-YYYY

Material Description: WALKING BEAM FURNACE CRT & DRT GEARED MOTOR - SP2000250258

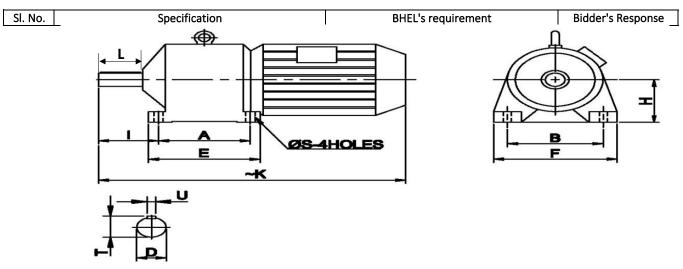
PR Item No.	Description	Requirement	Qty. (NO)
90	RC geared motor-CRT,DRT (Planetary)	As per specification below	25

Sl. No.	Specification	BHEL's requirement	Bidder's Response
1	Motor Specification		
1.1	Make	Bidder to specify	
1.2	Model / Part Number	Bidder to specify	
1.3	Rated Power	5.5 kW	
1.4	Rated Torque	Bidder to specify	
1.5	Maximum Torque	1.6 times rated torque	
1.6	Rated Voltage	415 V (Δ)	
1.7	Rated Frequency	50 Hz	
1.8	Rated Speed	1450 RPM	
1.9	Rated Current	Bidder to specify	
1.10	Efficiency	Bidder to specify	
1.11	Energy Class	IE2	
1.12	Power Factor	Bidder to specify	
1.13	Frame Size	132 S	
1.14	Mounting Position	IM B5 (Flange)	
1.15	Degree of Protection	IP 55	
1.16	Insulation Class	F	
1.17	Duty of Rating	S1	
1.18	Starting Method	Variable Frequency Drive	
1.19	Direction of Rotation	Bi-Directional	
1.20	Method of Cooling	IC 411 (TEFC)	
1.21	Locaation of Terminal Box	Left (when viewed from Non drive end)	
1.22	Confirming Standard	IS 12615	
2	Gearbox Specification		!
2.1	Construction	Gears and pinions of planetary type made out of alloy steel in generating process, further hardened and ground to high precision and	
		accuracy.	
2.2	Rated Torque	202 Nm	
2.3	Maximum Torque	324 Nm	
2.4	Rated Speed	260 RPM	
2.5	Gear Ratio	5.58	
2.6	Load Classification	AGMA Class III	
2.7	Service Factor	Shall be not less than 2.0	
2.8	Mounting Position	IM B3 (Foot)	
2.9	Lubrication Nipple	Shall be provided	
3	Dimensional Details	'	L
3.1		A = 260	
3.2	†	B = 215	
3.3	1	ØD = 50	
3.4	1	E = 320	
3.5	†	F = 290	
3.6	Dimensions as per the drawing given below.	H = 160 (-0.5)	
3.7	All Dimensions are in mm.	I = 110	
3.8	1	K = 900	
3.9	†	L = 100	
3.10	1	ØS = 20	
3.11	†	T = 54 (-0.29)	
3.12	1	U = 9 (h9)	

GeM Bid No: GEM/YYYY/B/NNNNNNN, Date: DD-MM-YYYY

Material Description: WALKING BEAM FURNACE CRT & DRT GEARED MOTOR - SP2000250258

PR Item No.	Description	Requirement	Qty. (NO)
90	RC geared motor-CRT,DRT (Planetary)	As per specification below	25



4	QUALIFYING CONDITIONS AND DOCUMENTS TO BE SUBMITTED		
4.1	Only those Bidders who have supplied similar or higher capacity/ size equipment that is working satisfactorily for at least two year after commissioning should quote.	Bidder to confirm. Shall be provided with supporting documents	
4.2	Motor Data Sheet	Bidder to attach along with offer	
4.3	Motor GA Drawing	Bidder to attach along with offer	
4.4	Gearbox Data Sheet	Bidder to attach along with offer	
4.5	Gearbox GA Drawing	Bidder to attach along with offer	
4.6	Routine Test Reports	To be provide during the supply of goods	
4.7	Operation and Maintenance manuals	To be provide during the supply of goods	
4.8	Detailed Engineering drawing of gear box	To be provide during the supply of goods	

Vendor Name & Address

Signature & Office Seal of the vendor