Brach Name:		**Sr. No.:**	

Please furnish the following information/detail to enable us to select the suitable type of gear unit required.

[⊕] Multiple selection allowed
[✓] Only Single selection allowed
[…] Data to be filled in

***Will be consider as default If nothing is selected***
***** **Compulsory filled**
\+ If nothing is selected, ELECON will decide

1 ***Area of application/industry?** […]

2 ***Type of Prime mover?** […]
electric motor

3 Power of prime mover? […]

Min.	***Normal**	Max.	
			[kW]

4 *Absorbed power by the driven M/C?[…]

Min.	***Normal**	Max.	
			[kW]

5 Input speed to Gearbox?[…]

Min.	***Normal**	Max.	
			[rpm]

6 Required output speed of Gearbox?[…]

Min.	***Normal**	Max.	
	1450,0		[rpm]

7 Required ratio accuracy?[✓][…]
☑ ***±3%*** # or

8 Rotation? [✓]
☐ ***Non-reversible*** # ☑ Reversible

9 If non-reversible Hold back required?[✓]
☐ Yes ☑ ***No*** #

10 ***Direction of rotation(looking from its end)?**
Input[✓] ☐ CW ☐ CCW
1st Output[✓] ☐ CW ☐ CCW

11 Motor mounting bracket required?[✓]
☐ Yes ☑ ***No*** #

12 Extra Bearing Support on the output shaft?
☐ Yes ☑ ***No*** #

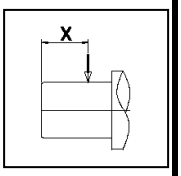
13 ***Prime mover connected to**

a) GB[Input] by? [Input][✓]
☑ Belt-Pulley
☐ Chain-Sprocket
☐ Pinion
☐ Coupling
☐ other

b) driven M/C[output] by? [Output][✓]
☐ Belt-Pulley
☐ Chain-Sprocket
☐ Pinion
☐ Coupling
☑ other

Specify for Belt[Input]

	[input]	[Output]	
PCD			[mm]
"X"			[mm]
Weight			[kg]



c) If coupling, please specify and provide detail […]

[Input]	[Output]

d) Please specify and provide detail[…]

[Input]	[Output]
	by Gearbox hollow s

14 Operating Hours/day? [✓]
☐ <3 hours ☐ >10 Hours
☐ 3-10 hours ☑ ***Continuous operation*** #

15 No of Starts per hours[✓]
☐ ***1*** # ☐ 41 to 80 ☐ Over 320
☐ 1 to 20 ☐ 81 to 160
☐ 21 to 40 ☐ 160 to 320

16 ***load cycle attached ?**[✓] [graphical/tabular]
☐ Yes ☑ No

17 ***Ambient Temperature?**[…]

Min.	Normal	Max.	
10,0	20,0	30,0	[°C]

18 ***Location of Installation?**[…][City, State, Country]
Ireland

19 Gear calculation required as per?[✓]
☑ ***DIN*** # ☐ AGMA ☐ ISO ☐ Other

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[…] Data to be filled in

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20 Minimum required Service factor?[…][✓]
☐ ***Will be picked from ELECON catalogue*** #
or [2,00]
Based on ☑ Motor power
☐ ***Consumed power by driven M/C*** #

21 Electrical Supply for Instruments & motor? [✓] […]
AC ☐ 3-ϕ ☐ 1-ϕ [ ] Hz (if AC supply)
DC ☐ [ ] V

Explosion protection required?[✓]
☐ Yes ☑ No

If NO, required Enclosure Protection [⊕]
☐ ***IP 55*** # ☐ Other
☐ IP 56 if other specify IP [ ]

22 ***Required handing of Input & output shaft?**[✓]
☐ LH ☐ RH ☐ DR ☐ RR ☐ LL
☐ DL ☐ LD ☐ RD ☐ DD ☐ Other
***If Other, Please provide sketch/reference.**

23 Any Statutory & Regulatory requirements to be followed?[✓]
☐ Yes ☑ ***No*** #

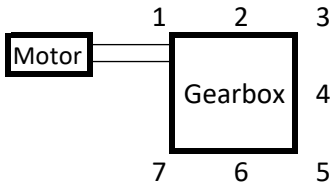
24 Permitted Cooling (If required)[⊕]
☐ Fan ☐ Cooling Coil
☐ Force lubrication system (FLS)

If Force lubrication system[✓]
Pump? ☐ Single Pump ☐ ***Double pump*** #

Oil Cooler?[✓]
☐ ***Water Cooled (Plate type)*** # ☐ Air Cooled
☐ Water Cooled (Shell type)

Local control panel?[✓] ☐ Yes ☑ ***No*** #
Junction Box?[✓] ☐ Yes ☑ ***No*** #
Heater?[✓] ☐ Yes ☑ ***No*** #
Separate Oil Tank?+[✓] ☐ Yes ☑ ***No***

25 Arrangement of FLS?[✓]



FLS in quadrant
☐ 1 ☐ ***2*** # ☐ 3 ☐ 4 ☐ 5 ☐ 6 ☐ 7

26 Piping between Gearbox & FLS?[✓]
☐ Yes ☑ ***No*** #

27 For RTD required?[✓]
☐ ***No Provision, No RTD*** #
☐ Only Provision at extension side only
☐ Only Provision at all assessable bearings only
☐ Provision + RTD at extension side only
☐ Provision + RTD at all bearing (assessable only)
If Only Provision, 1/2'' BSP hole will be provided

28 Foundation/Holding Bolt?
Gearbox ☐ Yes ☑ ***No*** #
Oil system(FLS) ☐ Yes ☑ ***No*** #

29 Sole plate(if applicable)?
☐ Yes ☑ ***No*** #

30 Key(if applicable)?
High speed shaft ☐ Yes ☐ ***No*** #
Low speed shaft ☐ Yes ☐ ***No*** #

31 Foundation dowel(if applicable)?
☐ Yes ☑ ***No*** #

32 ***Construction of housing/Casing?**[✓]
☑ Fabricated ☐ Casting

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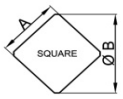
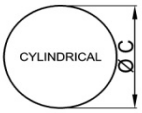
Additional detail for Sugar Mill application only

1 Output Shaft type?[✓]

☐ ***Square*** #
A= [ ] [mm]
ØB= [ ] [mm]



☐ Cylindrical
ØC= [ ] [mm]



2 Load detail of output shaft due to mill lifting, attached?[✓]
☐ Yes ☐ No

Additional detail for Vertical rolling mill application only

1 ***Axial Load**[…] Static [ ] [kN]
Dynamic [ ] [kN]
Thrust force application radius [ ] [mm]

2 Gear Unit Design[✓]
☐ Hydrodynamic
☐ Partial Hydrostatic
☐ Fully Hydrostatic
☐ ***As per ELECON standard*** #

Additional Detail for elevator traction machine

1 ***Traction machine location**[✓]
☐ Above ☐ Basement/Pit ☐ MRL

2 ***Rated load & Passenger capacity** [ ] [kg]
***Travel speed of cabin** [ ] [m/s]
***Travel height** [ ] [m]
***Cabin weight** [ ] [kg]

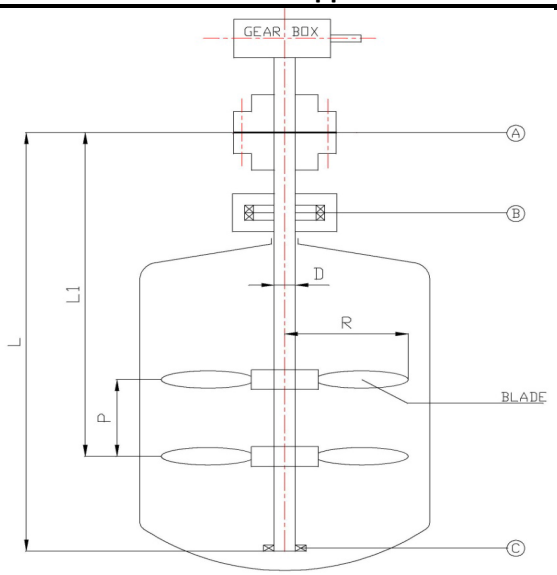
3 Roping[✓] ☐ ***1:1*** # ☐ 1:2

***Rope diameter** [ ] [mm]
Compensation chain ☐ With ☐ ***Without*** #

4 ***Control method** [ ] VVVF

5 ***Brake details required**
6 ***Traction sheave diameter & groove detail required**

Additional detail for Stirrer Application



Refer above figure for legends

1 ***Diameter of stirrer shaft**(D) [ ] [mm]

2 ***Total length of stirrer shaft**(L) [ ] [mm]

3 ***Mounting blade distance From shaft end**(L1) [ ] [mm]

4 ***Type of coupling used** [ ]

5 ***Detail of additional support** (B)?
Type of Bearing [ ]
Qty. of bearing [ ]

6 ***Detail of additional support** (C)?
Type of Bearing/Bush [ ]
Qty. of bearing/Bush [ ]

7 ***Pitch of blade** (P)? [ ] [mm]

***No of blade** [ ]

8 Nature of medium to be stirred?[✓]
☐ ***Constant density*** #
☐ Variable density

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Additional details for Pinion stand/Rubber mixer/ Crane/Conveyor application Only

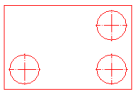
1 Extension Diameter?[…] [mm]
Tolerance?[…] Lower [mm]
Higher [mm]

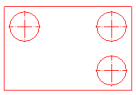
2 Extension length?[…] [mm]

3 Acoustic hood(Noise protection cover)?[✓]
☐ Yes ☐ ***No*** #

4 Coupling guard?[✓]
☐ Yes ☐ ***No*** #

5 Position of output shaft?[✓]

☐ Input  Output2 Output1

☐ Input  Output1 Output2

If any special remark please elaborate

Additional requirement/scope of supply?

List of Customer instruction/drawing list if any.

***Client Name:**

***Client Address:**

***Client Signature:**