



||Jai Sri Gurudev||

SRI ADICHUNCHANAGIRI SHIKSHANA TRUST (R)

# SJB Institute of Technology

(Affiliated to Visvesvaraya Technological University, Belagavi and Approved by AICTE - New Delhi)  
No 67, BGS Health & Education City, Dr. Vishnuvardhan Road Kengeri, BENGALURU - 560 060

Ph : 080 - 2861 2445 / 6  
Fax : 080 - 2861 2651

E-mail : principal@sjbit.edu.in  
Web: www.sjbit.edu.in

Ref : SJBIT/ 849/258/2019-20

## WORK ORDER

Date : .....

To

Date:22.08.2019

**ADVANCED POWER AND INFRA SOLUTIONS,**  
No.35/2, NGEF Layot Main Road,  
Malathalli,  
BANGALORE-560 056.  
(Ph:9686098702/9902807767

Kind Attn: Mr. Shiva Kumar B.  
Mobile No: 9902807767  
E mail: advancedpowerinfra@gmail.com

Dear Sir,

Sub: Supply, erecting, testing and commissioning of **ONE NO. 320KVA/256KW -" CUMMINS" Model :QSL 9 G15** with all standard accessories to **SJBIT Campus, Kengeri, B'lore**

Ref: 01. Your Offer Ltr. No.: APIS:DG:QTN./2019-20/046, dtd:08.08.2019

With reference to the subject cited above and also the discussions had with your authorized representative on 19.08.2019 and upon finally agreed terms, we are pleased to place the order for Supply, erecting, testing and commissioning of **ONE No. 320KVA/256Kw Diesel Generator Sets with CPCB approved** with water cooled, acoustic and all other standard accessories *as per approved technical data sheet/specifications FIXED AT RS.16,55,000/- for each DG Set (Rupees Sixteen Lakhs and Fifty Five Thousand only) EXCLUSIVE OF GST at 18% & also extra charges of exhaust piping, earthing, cabling including liaison approvals from statutory bodies as per BOQ.* The other terms and conditions are here as under:

Description	Unit/No	Rate	Total Value
<b>320KVA/256kW SILENT DIESEL GENERATOR SETS</b> with CPCB approved acoustic enclosure comprising of "CUMMINS" – Model:QSL 9 G15, Radiator Cooled, Diesel engine developing 380 BHP at 1500RPM with complete required accessories <u>without synchronization</u> , as per approved specifications, comprising of: 'Stamford' Alternator rated at 240kW/300KVA at 415 Volts, mounted on Channel Iron base frame complete with Fuel Tank of 475 Ltrs capacity with standard manual control pae and batteries.	1 Nos. (One)	16,55,000/-	Rs. <del>16,55,000/-</del>
<b>INSTALLATION &amp; COMMISSIONING:</b> is extra including the required materials as per estimated BOQ prepared, <u>however this will vary on the basis of item of materials used and actual measurement on approved rate inclusive of liasioning, shifting etc., complete</u>	Estimated value as per list	BOQ	Rs.1,15,000/-

16,55,000/-  
+ 955



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**TERMS AND CONDITIONS:**

01. The rate of **Rs.16,55,000/- for each DG Set** as mentioned above is confirmed EXCLUSIVE OF GST at 18% is extra.
02. The above quoted rate is also exclusive of Frieght, Installation, cabling, and statutory approvals mentioned as above.
03. All materials used should be of standard and if there any inferior quality materials/accessories, used, shall be rejected at any stage of the execution of the work, and it should be replaced immediately without delay.
04. DG System with standard accessories shall be delivered at once and installation work shall complete within THREE WEEKS from the receipt of this
05. For Prior approvals by CPCB & Electrical Inspectorate shall be obtained and for which necessary documentation and co-ordination will be given by you, however the liaison fee will be paid by us.
06. **WARANTY IS TWO YEARS** : During Warranty, Service calls should be attend within 2 hour (TWO HOUR) from the time of receiving call. During service, if need any spares/oil and other consumables will be arranged by us or will pay actual cost of such materials. However, before purchasing any required consumables shall be got approval from the Client in writing.
07. All site preparations and civil works, if any, will be done by us including electrical lines etc., between Main Panel to DG set, for which co-ordination shall be given by you till successful installation & commissioning.
08. Offer Letter with Technical Data Sheets & Broacher is a part of CONTRACTUAL AGREEMENT and Shall binding by the parties,
09. 25% OF EQUIPMENT VALUE **Rs. 8,27,500/- (Rupees Eight Lakhs Twenty Seven Thousand and Five Hundred only)** paid along with PO by cheque No..... dtd:; drawn on Canara Bank, BGSB & EC Branch, Bangalore-60, balance will be paid only after satisfactory delivery at site with submission of original documents duly certified by the concerned, and  
  
For Installation and commissioning and also for required materials, cabling, earthing etc., liasioning, shifting, positioning the system at designated place and complete in all respect including testing is **estimated Rs.1,15,213/-** (Rupees One Lakh Fifteen Thousand and two hundred Thirteen only) will be paid after completion of the assigned work as above. However, the value of Installation and commissioning will be vary as per actual materials used and measurement of cables etc., on quoted rates.
10. TDS will applicable as per law.

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11. As discussed at the time of negotiation, you have agreed to enter into a separate AMC agreement of all the DG systems which were installed at BGS Campus at Kengeri, Hulimavu, Nithyanandanagar at reasonable agreed rates.
12. Buy back of Used DG System: As agreed between the parties, you shall buy 3 Nos. used DG Systems (i.e., 62.5KVA, 125KVA & 65KVA) on agreed rates, for this, a separate order for sale will be issued, soon.

Thanking you,

Yours faithfully,  
For SJB Institute of Technology,

  
(SRI PRAKASHANATHA SWAMIJI)  
Secretary.



**INSTALLATION FOR 320 KVA DG SET**

SL.	PARTICULARS	QTY	UNIT	Supply		Erection /laying	
				RATE	AMOUNT	RATE	AMOUNT
1.0	<b>EXHAUST SYSTEM :</b>						
	Supply & installation of suitable size exhaust pipe of MS ERW 'B' class with AL cladding						
a	6" Class B MS Pipe	6	Mtrs.	1,300.00	7,800.00	200.00	1,200.00
b	6" Bend	3	Nos.	1,126.00	3,378.00	325.00	975.00
c	Insulation and 24 guage aluminium cladding for above exhaust pipe	6	Mtrs	455.00	2,730.00	165.00	990.00
d	Insulation and 24 guage aluminium cladding for silencer	1	nos	3,000.00	3,000.00	975.00	975.00
2.0	<b>EXHAUST PIPE SUPPORT</b>						
a	Supply & Installation of MS support for exhaust pipe and turbo charger with 1 coat of red oxide & enamel paint.	100	Kgs.	70.00	7,000.00	10.00	1,000.00
3.0	<b>Earthing</b>						
a	Pipe Earth Electrode as per IS 3043 complete with 38mm GI pipe, GI watering funnel. (Excluding civil work like excavation, chamber and chamber cover)	4	Nos	4,500.00	18,000.00	500.00	2,000.00
b	25X 6 mm GI Strip for Neutral & Body Earthing (2 Runs)	15	RM	200.00	3,000.00	55.00	825.00
c	8 SWG CU Wire		Mtrs.	85.00	-	20.00	-
4.0	<b>Cabling</b>						
4.1	supply 3.5CX185Sqmm Al. armoured power cable from generator to panel for DG Set (2R)	30	RM	300.00	9,000.00	250.00	7,500.00
4.2	End termination for the above with suitable aluminium glands & lugs.(single compression)	3	sets	1,230.00	3,690.00	350.00	1,050.00
5	control cable	30	RM	175.00	5,250.00	25.00	750.00
6.0	<b>SAFETY ITEMS</b>						
6.1	Safety Items with First Aid Kit, short Treatment Chart, DCP Type Fire Extinguisher of 2Kgs., Rubber mat , Fire Bucket of 2nos. With Stand	1	Sets	7,000.00	7,000.00	100.00	100.00
7.0	<b>STATUTORY APPROVALS :</b>						
7.1	Liason charges for obtaining approval from CEIG / BESCOM for one DG Set (statutory fees to be paid by client) Each DG Set	1	LS	-	-	18,000.00	18,000.00
8.0	Unloading, shifting & positioning of dg set for New DG Set	1	Set	-	-	10,000.00	10,000.00
	<b>TOTAL</b>				69,848.00		45,365.00
<b>Installation Total</b>							
GST TAXES EXTRA AS APPLICABLE						115,213.00	

**NOTE CIVIL WORKS IS NOT IN OUR SCOPE**

- A) MEASUREMENTS AT ACTUALS ONLY WILL BE CHARGED
- B) PRICE QUOTED IS FOR INSTALLATION IN BANGALORE ONLY
- C) ITEM OTHER THAN QUOTED WILL BE CHARGED EXTRA
- D) FREE POWER AND WATER TO BE PROVIDED AT SITE
- E) PO COPY TO BE PROVIDED FOR MATERIAL IN ENTRY
- F) RATES MENTIONED ARE UNIT RATES & BILLING BASED ON ACTUAL USAGE AT SITE
- G) MATERIAL STORAGE FACILITY AT SITE TO BE PROVIDED
- H) STATUTORY FEES TO BE BORNE BY CUSTOMER.

**PAYMENT TERMS :**

- 50 % ADVANCE ALONGWITH PURCHASE ORDER
- 50 % AFTER SATISFACTORY COMMISSIONING OF THE D.G.SET
- NOT LATER THAN 15 DAYS FROM DATE OF COMPLETION.

VALIDITY - 30 DAYS FROM DATE OF QUOTATION.

FOR ADVANCED POWER AND INFRA SOLUTION

V S MURTHY 9686098702



# SJB Institute of Technology

(Affiliated to Visvesvaraya Technological University, Belagavi, and Approved by AICTE - New Delhi and Accredited by NAAC - New Delhi with 'A' Grade, CGPA-3.22)

No 67, BGS Health & Education City, Dr. Vishnuvardhan Road, Kengeri, Bengaluru - 560 060

Ph : 080 - 2861 2445 / 6  
Fax : 080 - 2861 2651

E-mail : principal@sjbit.edu.in  
Web: www.sjbit.edu.in

Ref : SJBIT/ 681/2021-22

Date : .....  
Date:11.02.2022

To

**ADVANCED POWER AND INFRA SOLUTIONS**  
No.35/2, NGEF Layout Main Road,  
Malathalli, BANGALORE-56  
Mail ID:advancedpowerinfra@gmail.com

Kind Attn:Mr. Shivakumar,  
Mobile:9902807767

Dear Sir,

Sub: **ANNUAL MAINTENANCE CONTRACT for 250KVA & 320KVA DG. SETS installed at SJB**  
Institute of Technology Campus, Kengeri, Bangalore-60  
Ref: Your offer Ltr. No: AMC/21-22/145, Dtd:23.12.2021.

With reference to the subject cited above, we are pleased to place the order for providing Supervising, Monitoring and Maintaining/reconditioning the below mentioned Diesel Generators installed at the above campus (including Oil Service and Reconditioning service – only for labor). The details of DG Systems and its HP is mentioned here as under:

Sl.No.	PARTICULARS OF SYSTEM	SCOPE OF SERVICE/RECONDITIONING	Qty.	Unit Price
01	250KAV Kirloskar Make D.G. Set – Sl.No.	Supervising, servicing/reconditioning the system 24/7, Overhauling/Oiling, calibration etc., on HALF YEARLY BASIS. Attend all breakdown/service calls within TWO hours from the received call. DURATION OF AMC: ONE YEAR	1 No.	LUM SUM Rs. 10,000/- plus GST
02	320KVA/415V – Make: Cummins, Engine Sl.No.84516062/ SEPT.2020	w.e.f.:01.01.2022 to 31.12.2022	1 No.	LUM SUM Rs. 10,000/- plus GST
				20,000=00

(Rupees Twenty Thousand Only – Excluding GST)

#### TERMS AND CONDITIONS:

01. The Rate mentioned above is confirmed EXCLUSIVE of applicable GST,
02. The scope of AMC is limited only for Labor/Technical Service & Reconditioning the System Charges and it does not cover/or include required consumables/oils, fuels/spares etc., for reconditioning of the above equipment.
03. Required consumables/spares shall be issued from us on written basis, however, the indent should be given well in advance (at the time of inspecting the status of system) to the concerned/immediate designated authorities.as and when, before starting the work,
04. There is no limit for attending the number of calls/visits. Monthly ONE VISIT should be maintained (i.e., minimum 12 visits) during the currency of agreement.

*[Handwritten Signature]*  
11.2.2022



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05. Major breakdown of Control Panels and Alternators should be handled at reasonable rates as decided by the concerned on mutual discussions.
06. Annual AMC will be cleared on HALF YEARLY basis duly certified by the concerned engineer,
07. The service and mechanical related matter, please call or contact our Maintenance Engineer Mr. Abhishek (Mob.No:9964465614).

With regards,

  
DR. K.V. MAHENDRA PRASHANTH  
Principal.

**Principal**  
**SJB Institute of Technology**  
# 67, BGS Health & Education City,  
Dr. Vishnuvardhan Road,  
Kengeri, Bengaluru - 560 060.

  
Managing Director.  
BGS Group of Institutions,  
Managing Director  
**BGS & SJB Group of  
Institutions and Hospitals**

GOVERNMENT OF KARNATAKA  
(Electrical Inspectorate)

Deputy Chief Electrical Inspector  
Bangalore North  
Mythri Kalyana Mantapa  
# 1263/4, 2nd Floor, K.H.B. Colony,  
Magadi Main Road, Bangalore-79.

No. DCEI/BN/AEIW/7106-07/10-11

Date: 8-10-2010

C.G. No. BW/585

OFFICIAL MEMO ANDUM

Sub :- Approval to commission ..... 1x250 ..... KVA  
Generator set at M/s SJB Institute of Technology  
College Campus, No. 67, Uttarahalli  
Main Road, Kengeri, Bangalore-60.

Ref :- 1. Drg. Approval vide Letter No. DCEI/BN/AEIW/7106-05/10-11 dt 8-10-10  
2. Completion report No. - Nil - dt 8/10/10

Approval as required under Rule No. 47A of IE Rules, 1956 is hereby accorded to Commission the DG set and connected equipments of the following details. This approval is subject to conditions overleaf.


Details of Equipment :-

- Prime Mover (Engine): Make : Kirloskar Green  
..... 310 BHP ..... 1500 R.P.M. .... Sl. No. :  
FG.3810/1000532.
- Alternator : Make : Kirloskar Oil Engines Ltd.  
Amps 347.8 KVA 250 PF 0.8 .... Sl. No. :  
GS321104112420
- Current transformers : Make : Newtek  
C.T. Ratio ..... 400/5 ..... Line Volts 0.66 KV VA 5  
Class ..... 1.0 ..... Sl. No. 1. 424812 2. 424813  
3. 424814
- Details of energy meter : Make : EL Measure  
..... 3x240 V ..... 3x-15 Amps ..... Rev/K.Wh.  
Sl. No. GBA 225878 Type Smert E3, 3φ, 4wire.  
Initial Reading : 0000.2

Multiplying Constant : 80


Inspection fee of Rs 1900/- has been paid vide Rt. No.

1210111 dt 8/10/10 is hereby acknowledged.

  
Signature of Issuing  
Deputy Chief Electrical Inspector  
Magadi Main Road  
Bangalore North

## CONDITIONS

1. Any change in the Generator Machineries shall be intimated to this office and fresh approval shall be obtained.
2. Shifting of Generator Machineries within the premises or outside shall be intimated and prior approval of the undersigned be obtained.
3. The set shall be always kept open for inspection of the Electrical Inspectorate authorities.
4. The Energy Meters and the Current Transformers shall be got calibrated once in a year and once in three years respectively and the Certificate shall be sent to this office, under intimation to the Deputy Electrical Inspector ..... K17 ..... Sub-Division, Calibration may be done by the KPTCL or any other approved agencies.
5. Log Book detailing the day-to-day generation of energy and fuel consumption shall maintained.
6. Monthly tax returns shall be filed in form B & D and sent to this office under intimation to concerned jurisdiction D.E.I.
7. This approval shall be displayed at the Generator room or in the control room.
8. This approval is subject to condition of compliance of I.E. Rules 1956, I.E. Act, 1910 Supply Act. 1948 and Karnataka Taxation of Electricity consumption Act, 1959.
9. This approval can be withdrawn at any time if found necessary in the interest of safety and Public Nuisance.
10. Licence under section 14 of Electricity Act 2003 shall be obtained from the KERC to transmit electricity or to distribute electricity or to under take trading in electricity

  
Signature of Issuing  
Authority

Deputy Electrical Inspector  
Magadi Main Road  
Bangalore West

To

M/s STB Institute of Technology.  
College Campus.  
No. 67, Uttarahalli Main Road,  
Kengeri,  
Bangalore - 60

Copy to :

1. The Chief electrical Inspector to Government, Bangalore.
2. The Electrical Inspector, Bangalore North / East Division.
3. The Deputy Electrical Inspector ..... K17 ..... sub-division. He is advised to assign the captive DG number to the DG set and intimate the consumer under intimation to this office.
4. Tax section.
5. M.F. / O.C.



**GOVERNMENT OF KARNATAKA**  
**(Electrical Inspectorate)**

No. DCEI/BN/AEIW/7102-03/10-11

Date: 8-10-2010

C.G. No. B6/586

**OFFICIAL MEMORANDUM**

**Sub :-** Approval to commission ..... 1 x 200 ..... KVA  
Generator set at M/s SJB Institute of Technology.  
SJB Auditorium, No. 67, Uttarahalli Main Road,  
Kengeri, Bangalore - 60.

**Ref :-** 1. Drg. Approval vide Letter No. DCEI/BN/AEIW/7100-01/10-11 dt 8-10-10  
2. Completion report No. Nil Dt: 8/10/10

Approval as required under Rule No. 47A of IE Rules, 1956 is hereby accorded to Commission the DG set and connected equipments of the following details. This approval is subject to conditions overleaf.

**Details of Equipment :-**

1. Prime Mover (Engine): Make : Kirloskar Green.  
..... 254 BHP ..... 1500 R.P.M. 0900233 Sl. No. :
2. Alternator : Make : Kirloskar Oil Engines Ltd.  
Amps 278.2 KVA 200 PF 0.8 Sl. No. :  
FS3M109H84082
3. Current transformers : Make : Kalpa.  
C.T. Ratio ..... 300/5 ..... Line Volts ..... 0.66 KV VA ..... 5 .....  
Class ..... 1:0 ..... Sl. No. 1. 134310/08 2. 134311/08  
3. 134312/08
4. Details of energy meter : Make : EL Measure.  
..... 3 x 240 V ..... 3 x -/5 Amps ..... Rev/K.Wh.  
Sl. No. 21637LG0209 Type LG kWh, 3φ, 4 wire  
Initial Reading : 0000.2

Multiplying Constant : 60

Inspection fee of Rs 1900/- has been paid vide Rt. No.

1210012 dt 8/10/10 is hereby acknowledged.

Signature of Issuing  
Deputy Electrical Inspector  
Magadi Main Road  
Bangalore West

## CONDITIONS

1. Any change in the Generator Machineries shall be intimated to this office and fresh approval shall be obtained.
2. Shifting of Generator Machineries within the premises or outside shall be intimated and prior approval of the undersigned be obtained.
3. The set shall be always kept open for inspection of the Electrical Inspectorate authorities.
4. The Energy Meters and the Current Transformers shall be got calibrated once in a year and once in three years respectively and the Certificate shall be sent to this office, under intimation to the Deputy Electrical Inspector .....W7..... Sub-Division, Calibration may be done by the KPTCL or any other approved agencies.
5. Log Book detailing the day-to-day generation of energy and fuel consumption shall maintained.
6. Monthly tax returns shall be filed in form B & D and sent to this office under intimation to concerned jurisdiction D.E.I.
7. This approval shall be displayed at the Generator room or in the control room.
8. This approval is subject to condition of compliance of I.E. Rules 1956, I.E. Act, 1910 Supply Act. 1948 and Karnataka Taxation of Electricity consumption Act, 1959.
9. This approval can be withdrawn at any time if found necessary in the interest of safety and Public Nuisance.
10. Licence under section 14 of Electricity Act 2003 shall be obtained from the KERC to transmit electricity or to distribute electricity or to under take trading in electricity

  
Signature of Issuing

Authority  
Deputy Electrical Inspector  
Magadi Main Road  
Bangalore West

To

M/s ..... SJB Institute of Technology.

..... SJB Auditorium.

..... No. 67, Uttarahalli Main Road,

..... Kengeri, Bangalore - 60.

Copy to :

1. The Chief electrical Inspector to Government, Bangalore.
2. The Electrical Inspector, Bangalore North / East Division.
3. The Deputy Electrical Inspector .....W7..... sub-division. He is advised to assign the captive DG number to the DG set and intimate the consumer under intimation to this office.
4. Tax section.
5. M.F. / O.C.