

### Schedule of Requirements

The delivery schedule expressed as weeks/months stipulates hereafter a delivery date which is the date of delivery

- (i) Of Goods at Procuring Agency premise (Islamabad);
- (ii) Installation of Goods/services as per specifications/standards; and
- (iii) Commissioning and delivery of facilities to Procuring Agency.

In order to determine the correct date of delivery hereafter specified, the Procuring Agency has taken into account the additional time that will be needed for international or national transit to the Project Site or to another common place.

Number	Description	Quantity	Delivery/Installation Schedule (shipment) in weeks / months

## SPECIAL PROVISIONS

### SP-01 SCOPE

#### SP-01.1 SCOPE OF SUPPLY

The scope of supply includes following Goods & services to meet requirement of material at: **FPCCI Islamabad.**

FPCCI Capital House in Islamabad is a multi-story office Building which covers 6 Floors along with 3 Number of Basements, Ground & Mezzanine and roof top at **G-8/1, Aiwan-e-Sanat-o-Tijarat Road, Mauve Area, Islamabad**, with a total installed/Planned load of **380 kVA**. The FPCCI now wants to install the Power Backup in form of Diesel Generators of below mentioned ratings and intends to provide uninterrupted supply to the whole facility/building and has accordingly reserved the building basement # 3 for this purpose in which the generator foundation is already build. A BoQ/detailed work description has been provided below; however, the Bidders/ Potential Contractors are required to quote the bid on all risk basis viz a viz installation of Primary equipment/ generators and need to satisfy themselves of their prices before submission of bid . For this purpose, a site visit will be arranged by FPCCI before bid submission.

Moreover, the Generator Foundations are already constructed at the specific site whose assessment for fitness to the offered units (viz a viz foundation load bearing capacity and any enhancements required) will be responsibility of the bidder and offered price will be considered to be inclusive of such re-enforcement (if needed).

Accordingly, the scope will be Installation of the Diesel Generators at the premise of FPCCI Capital House with due care and technical requirements as per industry standards and Contract provisions as validated through site visit

Sr. No.	Description	UOM	Qty
1	Supply of 200 kVA Diesel Generators , RPM 1500, Frequency 50 Hz, Class G3	Nos.	1
2	Supply of 300 kVA Diesel Generators , RPM 1500, Frequency 50 Hz, Class G3	Nos.	1
3	Canopies 85 dBA at 1 Meter	Nos.	2
4	Bulk Fuel Tank 2000 Liters	Nos.	1
5	Sync Panel	Nos.	2
6	ATS Panel, 3 Pole with accessories	Nos.	2
	Sync & ATS Panel Base Stand	Nos.	1
7	WAPDA Incoming Breaker, 630 Amp, 3 Pole	Nos.	1
8	Earthing of System	Nos.	6
9	Earthing Cables	Lot	1
10	Control Cables	Lot	1
11	Power Cables	Lot	1
12	Installation of Gen Sest, Main Incoming Panel, ATS & Sync	Lot	1
13	Transportation	Lot	1
14	Commissioning of Units	Lot	1

**SP-02 SPECIFICATIONS**

- i. Diesel Generator Set designed at RPM: 1500, 50 HZ.
- ii. Performance Class of Genset should be **G3 (equivalent) or higher**.
- iii. Coupling/ Assembling of genet should be done in OEM
- iv. **Generator Specification**

Sr No	Parameters	NLC Requirements
1	<b>Engine</b>	
	a. Country of Manufacture of Genset Brand	Cummins Power Generation (UK)/ FG Wilson (UK) / Caterpillar (USA)/ Rehlko/SDMO France/ MTU EU , Approved equivalent Companies from UK/USA, Western European or Japan having OEM authorizations from Engine & Alternator brands, G3 Class.
	b. Model	Latest model of current production with manufacturing year.
	c. No of Cylinder	Heavy duty 6 Cylinders, "L" Type 4 stroke direct injection diesel engine, water cooled, compatible with generator power, turbo charged
	d. Maximum Engine Rating / (Standby Rating)	Above 300 kW (For 300kVA Prime Rating Genset) Above 200kW (For 200kVA Prime Rating Genset)
	e. Continuous Output Rating / (Prime Rating)	300 kVA & 200 kVA
	f. Operating Speed in RPM	1500 rpm
	g. Compression Ratio	18 ratio 1 for 300kVA 17 ratio 1 for 200 kVA
	h. Governor type	Electronic
	i. Starting / Ignition System Voltage	12 / 24 VDC
	j. Overload Capability	At least 10 % for 1 Hour within 12 hours operations
	k. Exhaust System	Heavy duty industrial capacity exhaust silencer for low noise.
	l. Self-Starter	Should have in built self-start facility

2	<b>Alternator.</b> Should be a standard branded with following features: -		
	a.	Make	<b>Stamford (EU)/ Leroy Somer (EU) / Kohler/Rehiko (France) / Mecc Alte (EU)</b>
	b.	Insulation Class	“H” Type or better.
	c.	Charging alternating	Yes
	d.	Type of excitation	Self-excitation
	e.	Exciter Type	SHUNT
	f.	Bearing Type	Single (Sealed)
	g.	Windings	Fully interconnected and impregnated
3	<b>Transfer Switch</b>		Automatic / Manual Change Over Switch (ATS) THREE POLE
4	<b>Electronic Control Module.</b> Should have following: -		
	a.	Temperature and oil pressure gauges	
	b.	Hours running meter	
	c.	Key start switch	
	d.	Safety Shutdown protection devices for high coolant temperature, low oil pressure, high alternator winding temperature, engine over/under speed, and over/under voltage with relevant indication.	
	e.	Provision for charging of battery 12 or 24 V	
	f.	Amp meter for indicating charging of battery	
	g.	Voltmeter (one meter per phase)	
	h.	Ammeter (one meter per phase)	
	i.	Frequency meter	
	5	<b>Electrical Requirements</b>	
a.		Battery	12 / 24 VDC Ah for starting system or OEM standard
b.		Type	Maintenance Free
c.		Phase	3 Phase 4 wires with provision to use in single phase also
d.		Output Voltage	230 - 400V AC $\pm$ 5% 50 Hz
e.		Speed	1500 RPM
f.		Power Output	300 KVA
g.		Cables	<b>Power Cable</b> , 240 mm.sq Single Core Copper PVC/PVC PAKISTAN/FAST/NEW AGE

			<b>Control Cable.</b> 2.5 mm.sq 4Core
	h.	Auto Voltage Regulator	Fully sealed AVR to maintain the voltage within the limit of $\pm 1\%$ from no load to full load
6	<b>Miscellaneous Features</b>		
	a.	Canopy	Sound proof / Water Proof
	b.	Fuel Capacity	Sufficient to run the generator at full load for minimum 6- 10 hours on variable load
	c.	Anti-Vibration Arrangement	Provision must be available between generator and the base frame
	d.	Coupler	Engine and alternator should be connected with steel flange coupling (imported) or as per OEM design.
	e.	Ingress Protection (Rating)	Not Less than IP23
	f.	Mounting Arrangement	Skid Mounted
7	Should have low fuel level alarm.		
8	Should have anticorrosive paint protection		
9	Copper Bus Bar of suitable capacity with incoming and outgoing terminations.		
10	<b>Noise Emission.</b> 85 db at 3 meters at full load		
11	<b>Environmental Conditions</b>		
	a.	Operating Temperature	-40°C to + 40°C
	b.	Storage Temperature	-40°C to +70°C
	c.	Humidity	80-95% at 40°C
12	<p><b>Certificate.</b> Documentary proof from OEM of quoted Generator Set (OEM Authorization / Distribution Certificate) is to be provided. Also provide documentary proof from OEM for the following:</p> <ul style="list-style-type: none"> <li>a. Engine</li> <li>b. Alternator</li> <li>c. Coupler (OEM certificate is required that coupling has been done by them)</li> </ul> <p>In case verification is challenged at any stage between offered and supplied equipment or equipment found to be used or refurbished the Supplier will be responsible for replacement of Gen set.</p>		
13	<b>Quality Standards.</b> Compliance with international standards and conformity certificate.		

14	<b>Warranty.</b> 1000 hrs or 1 years from date of commissioning, which ever come first.	
15	<b>Acceptance Test Procedure (ATP) of the Equipment.</b> The supplier firm will provide the acceptance Test Procedure (ATP) of the equipment as per relevant IEC specs which will be subject to approval of the Engineer.	
16	<b>Population List.</b> The supplier will provide all type of generator set list of supplied to companies / organizations in Pakistan along with addresses / contact numbers.	
17	<b>Knockout Parameters for Technical Evaluation.</b>	
	a.	Performance parameters of engine / alternator / coupler.
	b.	Provision of certificates.
	c.	Reply / data against every item of RFP requirements must be provided in full.
	d.	Backup support service facilities available in Pakistan
	e.	Population in Pakistan

**Project Methodology:**

It is mandatory to submit the Project Methodology (as per format) along with the Bid for the Installation of the Diesel Generators at the premises of FPCCI Capital House with due care and technical requirements as per industry standards and Contract provisions as validated through site visit.

**Note:**

- Placement & Installation of Generators to be carried out in the Basement 3.
- Fuel Tank To be placed on the ground floor.
- Concealed ducting to be carried out for air intake and exhaust.

**SP-03      METHODOLOGY FOR UNDERSTANDING AND IMPLEMENTATION OF SCOPE:**

<p align="center"><b>PROJECT TITLE:</b>  <b>SUPPLY, INSTALLATION &amp; COMMISSIONING OF TWO NO(S). OF DIESEL GENERATING SETS WITH PRIME RATING OF 200KVA &amp; 300KVA WITH ALLIED ACCESSORIES AT FPCCI CAPITAL HOUSE ISLAMABAD</b></p>		
<b>DOC TITLE:</b>	<b>METHOD STATEMENT</b>	Document no.: FPCCI/DG/25/1
		Submitted by:
		Date:
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**PREFACE:**

In order to supply the two no(s). of diesel generators, prime rating of 200kva & 300kva with allied accessories and to install and commission them in the basement no 3 of the FPCCI Capital House Islamabad, The bidder have to submit the method statement which ensures the safety, compliance and operational goals.

The purpose of this installation is to provide a reliable backup power supply to ensure the continuity of critical operations during utility power outages.

The works will be carried out in accordance with relevant industry standards, manufacturer recommendations, and local regulations to ensure safe, efficient, and compliant installation. This document should cover all aspects of the installation, including site preparation, equipment handling, mechanical and electrical connections, testing, and commissioning.

The successful execution of this project is essential for maintaining operational resilience and ensuring uninterrupted power supply to the facility. All personnel involved are required to adhere strictly to the outlined procedures and safety protocols throughout the duration of the work.

**CONTENTS OF METHOD STATEMENT**

**1. SCOPE/OBJECTIVE**

**2. REFERENCES/ DOCUMENTATION**

**3. RESPONSIBLE/ SUPERVISION**

**4. HEALTH & SAFETY**

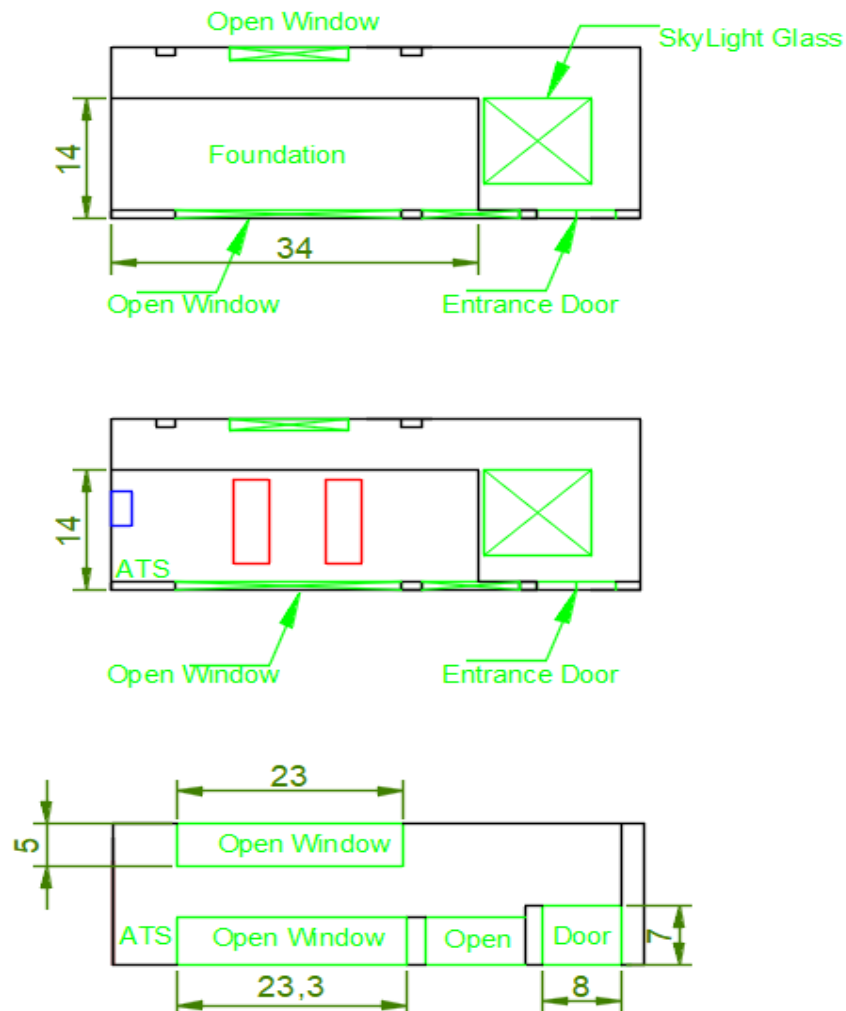
**5. PROCEDURE**

**6. TOOLS & EQUIPMENT**

## 7. QUALITY CONTROL

### SP-04 DRAWINGS:

#### TOP VIEW



#### SP-04.1 Supplier's Bid Drawings

The bid drawings are the drawings prepared by the Supplier for bidding purposes, and shall be part of his Bid.

The specification drawings and Supplier's bid drawings shall not be used for manufacturing of Goods unless specific instructions for such use are given by the Engineer.



**SP-04.2 Approved Drawings**

The manufacturing shall be carried out in accordance with the approved drawings/data.

**SP-04.3 Drawings and Other Data to be furnished by the Supplier**

All drawings shall be in English language and all dimensions shall be in Metric System. Symbols shall be in accordance with IEC standards. All drawings shall be clearly marked "FPCCI-(specify item name) \_\_\_\_\_". All drawings/data submitted for approval shall conform to ISO paper sizes A3 or A4.

The Supplier shall submit detailed drawings/data for approval by the Engineer, in accordance with provisions of Contract, and the additional requirements specified in the respective Clauses hereof. The drawings/data shall be complete in all respects, shall have been reviewed and checked by the Supplier and shall be submitted in due time and in logical order to facilitate proper coordination.

**SP-04.4 Goods Drawings and Specific Goods Data**

The Supplier shall submit the following drawings and Specific Goods Data within fifteen (15) days after issuance of Letter of Acceptance for approval of the Engineer, together with overall and handling weights and dimensions of the Goods to be provided under the Contract.

- (i) Detailed drawings and Specific Goods Data sheets for the Equipment in the respective Lots.
- (ii) Packing details & drawings.
- (iii) Test program indicating arrangement & details of all tests to be carried out and their tentative schedule.
- (iv) Any other information and drawing which may be required by the Engineer.

The time for approval of the Supplier's above-mentioned submissions shall be fourteen (14) working days after its receipt thereof.

**SP-04.5 Data other than Drawings**

All applicable requirements of this Clause and mentioned elsewhere in this document with reference to drawings to be prepared by the Supplier shall apply equally to catalogues, cuts, illustrations, printed specifications, or other data submitted for approval.

**SP-04.6 Submission and Approvals****SP-04.6.1 Approval of Drawings/Data**

- (1) All changes will be made and will be marked "APPROVED", "APPROVED EXCEPT AS NOTED" or "RETURNED FOR CORRECTION" on the relevant drawings/data. One print will be returned to the Supplier. The other shall be retained by the Engineer for his own use and for the use of Procuring Agency and shall serve as the Master Copy and shall prevail in case of any doubt or discrepancy subsequently arising.
- (2) If the drawing/data is returned to the Supplier stamped "APPROVED" he may immediately proceed with the manufacturing of Goods. Any drawing/data marked "APPROVED" by the Engineer shall be known as an "Approved Drawing".
- (3) If the drawing/data is returned to the Supplier stamped "APPROVED EXCEPT AS NOTED" he may proceed with the manufacturing of Goods taking into account the corrections and comments noted on the drawing/data. The Supplier shall revise the drawings/data as required and resubmit them in the same routine as before for record purposes.
- (4) If the drawing/data is returned to the Supplier stamped "RETURNED FOR CORRECTION" he shall not proceed with the manufacturing of Goods but shall make the changes and corrections or prepare new drawings/data and resubmit the revised drawing/data to the Engineer for approval at no change in price or Delivery & Completion Schedule. Resubmitted prints and calculations will be subject to the same routine as stated before. Time required for such revisions and re-submittals of drawings/data or calculations will not entitle the Supplier to any extension in Contractual Completion time.
- (5) If the Supplier does not agree with exceptions taken by the Engineer, the Supplier shall state in his letter of re-submittal his reasons for not complying with the Engineer's exceptions. Revision number and date and description of change shall be shown on all drawings or calculations revised.

**SP-04.6.2 Manufacturing Prior to Approval**

Any manufacturing/fabrication of Goods done prior to the approval of drawings & data shall be at the Supplier's risk. The Engineer shall have the right to reject the said Goods if not conforming to required specifications and drawings or to request additional details and to require the Supplier to make any change(s) which are necessary to conform to the provisions and intent of

these Specifications and such changes shall be made without additional cost to Procuring Agency. The approval of the drawings & data by the Engineer shall not be construed as a complete check but will indicate only that the detailing is satisfactory. Approval by the Engineer of the Supplier's drawings & data shall not be held to relieve the Supplier of the obligations to meet all the requirements of these Specifications or of the responsibility for the correctness of the Supplier's drawings & data or for correct fit and use of assembled Goods furnished by the Supplier.

**SP-04.6.3      Sequence of Submission**

The sequence of submission of all drawings shall be such that all information is available for checking each drawing when it is received.

**SP-04.6.4      Approved Drawings/Data and Revisions**

All approved drawings/data shall form part of the Contract. If revisions are required after a drawing/data has been approved, the Supplier shall furnish for approval additional copies specified for the initial submission, prior to such revision(s).

**SP-05            STANDARDS AND TYPICAL DESIGN**

**SP-05.1        General**

The Specifications cite or imply International Standards and typical design for Goods. Other equivalent standards and typical designs are equally acceptable provided that they in no way detract from the quality, safety, operation ability of the Goods furnished. However, when standards or typical design other than those cited or implied are offered by a bidder, he shall set forth in his Contract the alternative standards proposed so that a direct comparison can be made before Contract Award. Each specific difference from the Specifications shall be clearly indicated by the bidder. If no alternatives are set forth by the bidder, it will be assumed that offered Goods will be in accordance with the International Standards and typical design as cited or implied in the Specifications.

Where the documents provide requirements for manufacturing by specifying a standard such as, for example, one of the international standard organizations which have its origin in one country, it is not the intention to restrict the requirements solely to that standard and that country. Other standards, including standards of other countries will be accepted provided the requirements thereof in the sole opinion of the Engineer are at least equal to the requirements of the standards specified. The bidder may propose an equivalent standard other than

that specified, in which case he shall submit the proposed standard and all other information required by the Engineer and shall submit written demonstration that his proposed standard is equivalent or superior to the one specified herein. The submission must be made in English language. Moreover, the bidder shall also supply copy of the latest revision of the standards used in his bid.

**SP-05.2      Applicable Standards and Codes**

- (1) All Goods and design shall be generally in accordance with latest revision of the standards specified in the Technical Provisions except where specifically directed otherwise. If these Specifications conflict with any or all the standards stated in the Technical Provisions, these Specifications shall have precedence and shall govern.
- (2) In case deviation from the above standards is minor, approval of the Engineer may be given to use other national standards prevalent in the country of manufacture. No departure from the standards specified will be considered after the Contract has been awarded unless specific authorization is requested in writing from the Engineer.

**SP-06            PACKING AND MARKING**

**SP-06.1        Packing**

- (1) Supplier shall prepare and pack all Goods for shipment/delivery in accordance with the requirements of the Contract Documents and in the best possible manner to withstand damage or loss from repeated handling and extremes of climate during transportation and storage at Site. All Goods shall be packed so as to guarantee safe transportation of the Goods to the Site under any conditions and limitations which may be encountered. The manner of packing shall be such that it protects the Goods against breakages, damages and losses from the factory until its arrival at its final destination at the Site.
- (2) The final packing shall be such that the weight and dimensions of packages are within reasonable limits in order to facilitate handling, storage and transportation.
- (3) Before any shipment/delivery is made, the Supplier shall get detailed drawings of the packing approved by the Engineer.

**SP-06.2        Lifting**

The method of lifting, type of equipment and type of slings, used for handling the wooden boxes are subject to approval by the Engineer.

**SP-06.3      Slings**

If the use of slings is necessary, these shall be of a flexible type and preferably manila rope or other non- metallic materials. The use of steel wire, mesh or chain link slings is prohibited unless they are covered with rubber hose or some similar material.

**SP-06.4      Marking**

**SP-06.4.1      Identification Marking**

- (1) All members, parts, units or components of the Goods shall be plainly die-indented with a number to identify the member, part, unit or component itself and with a letter to indicate the type of Goods in accordance with approved drawings.

The identification marking shall be plainly legible and durable and shall be so located that the number or letter is not obscured by other member, part, unit or component when in its assembled position. All the marking on ferrous part or unit shall be made before galvanizing.

- (2) Each crate, case, box, package or bundle shall have labels and or tags made from strong waterproof material and marked in indelible and non-fade-able ink securely attached hereto. These labels or tags shall indicate at least the name of the Project, the Consignee and the manufacturer, the type of Goods or component and the quantity it contains so that it can be easily checked upon delivery. A packing list shall be included in each crate or box.
- (3) Each package delivered under the Contract shall be consecutively numbered and shall also be marked with code number or other identification to be approved by Procuring Agency so that various components of the Goods which are shipped, disassembled and which may not be interchangeable can be identified, collected and stored at the Site together. Additional information and or colour coding that may reasonably be required by Procuring Agency to facilitate identification, shipment to stores or site handling and storage will also be provided.
- (4) All boxes weighing in excess of 500 kilograms shall be adequately marked for straining and lifting. Whenever necessary the boxes shall be provided with lifting hooks attached by means of vertical rods secured to strong bottom supports.

**SP-07                   TRANSPORTATION OF GOODS****SP-07.1               General**

The Supplier outside from the Procuring Agency's country shall transport the Goods from its place of manufacture or origin to the Procuring Agency's port and insurance thereof from its place of manufacturer up to storage site/warehouse and shall be solely responsible for selection of routes and carriers, and expediting in order that all shipments are safely and expeditiously transported and arrived at Karachi Sea Port. The Supplier shall carry out insurance from its warehouse to the Procuring Agency's warehouse / designated site and shall cover all risks including inland transportation from Karachi/ any other port in the Procuring Agency's country to its warehouse / designated site.

**SP-08                   SHOP INSPECTION AND ORDERS FOR GOODS****SP-08.1               Inspection**

Unless otherwise authorized by the Engineer no Goods shall be shipped from its point of original manufacture or final shop assembly before it has been inspected and approved by the Engineer.

**SP-08.2               Goods Orders**

The Supplier shall, if requested, provide the Engineer with unpriced copies of the Supplier's purchase orders for Goods or approved sub-Contracted supply at the time any such orders are placed. The Supplier shall also provide the Engineer with any other relevant information requested to ensure proper expediting and scheduling of the deliveries.

**SP-08.3               Acceptance of Materials**

The approval by the Engineer of any Goods prior to shipment shall in no way relieve the Supplier of any of his responsibilities for meeting all of the requirements of the Specifications and shall not prevent subsequent rejection if such Goods are later found to be defective or not conforming to the Specifications.

**SP-09                   SCHEDULE AND MEETINGS**

**SP-09.1      Schedule**

- (1) The Supplier shall manufacture & supply the Goods in accordance with the dates/periods specified in **Form-4 of Section-VI: Standard Form**. The Supplier shall regularly review the Schedule and notify the Engineer promptly of any revisions which in his view may be required from time to time.
- (2) Each group of Goods shall be completely delivered. The Supplier shall keep the Engineer informed of the progress of the Contract and notify the Engineer approximately six (6) weeks in advance, in writing, as to when the Goods will be ready for inspection and for shipping and shall supply lists covering each consignment in sufficient detail to enable the Engineer to check the contents of the packages.
- (3) In preparing the Delivery and Completion Schedule, the Supplier shall fully take into account the requirements (and possibilities) for ocean (or air) freight. Progress of all shipments shall be continuously monitored and the Supplier shall provide staff or agents to expedite all shipments to ensure compliance with the approved Delivery Schedule.

**SP-09.2      Meetings**

- (1) Soon after the date of Award of Contract, the Engineer will, with the approval of Procuring Agency require a meeting with Procuring Agency and the Supplier at a place mutually agreed upon, to discuss scheduling of drawings & data, manufacture, testing & inspection, scheduled sequences of delivery and other similar problems which may be pertinent to the completion of the Project.
- (2) From time to time during the execution of the Contract, the Engineer may call meetings as deemed necessary for the purpose of progress monitoring and proper execution of the Contract.
- (3) As required by the Engineer, responsible representatives of the Supplier shall attend such meetings.
- (4) All expenses incurred by the Supplier for attending such meetings shall be borne by the Supplier and shall not be reimbursable.

**SP-10      COMMUNICATIONS WITH THE ENGINEER**

Pursuant to the definition of Engineer, Sub-Clause 1.1(q) of the Particular Conditions of Contract, the Engineer contact details are mentioned below to

which the Supplier shall address all communications for the approval of drawings and other submittals etc., as follows:

**Engineer Address:**

**M/s RM Associates**

**E.mail: [rmassociatespak@gmail.com](mailto:rmassociatespak@gmail.com)**

**Contact: +92-321-4825243**



## TECHNICAL SPECIFICATIONS

### 1.0 GENERAL

- 1.1 All designs, equipment, materials and workmanship shall comply with and be tested in accordance with requirements of the specifications. Equipment or parts, which are not covered by the specifications, shall comply with rules, codes and regulations of the international electro-technical commission or approved National Standardizing bodies.
- 1.2 In case of contradiction between the technical requirements mentioned herein and relevant specifications appended with the tender, the former shall prevail.
- 1.3 The specific reference in these specifications and documents to any material/equipment by brand name, make or catalogue number shall be constructed as establishing standards of quality and performance and not as limiting competition. However, Bidders may offer other similar material/equipment provided they meet the specified standard, design and performance requirements. The Bidder shall furnish adequate technical information about such alternative material/equipment to enable Procuring Agency to determine its acceptability. Procuring Agency shall be the sole judge on the acceptability or otherwise of such alternative material/ equipment.
- 1.4 The Bidder shall note that standards for workmanship, material and equipment and reference to brand names or catalogue numbers designated by Procuring Agency in its Technical Specifications are intended to be descriptive only and not restrictive. The Bidder may substitute alternative standards, brands name and/or catalogue numbers in its Bid, provided that it demonstrates to Procuring Agency satisfaction that the substitutions are substantially equivalent or superior to those designed in the Technical Specifications.
- 1.5 The contract shall be executed in strict conformity with the specifications and/or Drawings given or mentioned in this section and the supplier shall do no 'Work' without proper specifications, instructions and/or Drawings.
- 1.6 Specifications and/or drawings are intended to complement each other so that if anything is shown on the drawings as required but not mentioned in the specifications or vice versa. It shall be of like effect as if shown or mentioned in both. If any errors, omissions or discrepancies are found in the figures, specifications and/or drawings or, if any feature shall appear to the supplier to be indefinite or unclear, the same shall be referred to the Procuring Agency whose written explanation and/or clarification shall be obtained before proceeding with the work.
- 1.7 Approval by the Procuring Agency does not relieve the Manufacturer/Supplier of his responsibility to do the work in accordance with the Contract.

- 1.8 The Manufacturer/ Supplier shall be responsible for any discrepancies, errors omissions in any drawings or other particulars supplied by him whether the Procuring Agency has approved such drawings or particulars or not.
- 1.9 All drawings and documents furnished by the Manufacturer/Supplier in accordance with the Contract shall become the property of the Procuring Agency.
- 1.10 Wherever reference is made in the Technical Specifications to specific standards and codes to be met by the goods and materials to be furnished or tested, the provisions of the latest current edition or revision of the relevant standards or codes in effect shall apply, unless otherwise expressly stated in the Contract. Where such standards and codes are national or relates to a particular country or regions, other authoritative standards that ensure substantial equivalence to the standards and codes specified will be acceptable.
- 1.11 FPCCI reserves the right to delete or increase/decrease any item from any Lot before award of contract.

## **2. LANGUAGE**

All correspondence, literature, drawings, name plates, diagrams, applicable data, equipment details, instructions and maintenance books and manuals, spare parts, books and descriptive data shall be in the English language.

## **6. PRE-DELIVERY / PRE-SHIPMENT INSPECTION**

All the machinery /equipment /goods shall be subject to pre-delivery/pre-shipment inspection as per relevant specification and contract conditions.

## **7. SCHEDULE OF TECHNICAL DATA (SPECIFIC GOODS DATA)**

All allied equipment/material offered as a part of main equipment may have (preferably) values over and above IEC ratings/values if not specified in this document.