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TENDER SPECIFICATION

TENDER NO. BHEL/NR/SCT/ SALMA / MEI /819

FOR

“Material handling, execution of infrastructural civil works incl. construction of store, office etc. and Erection, Testing, Commissioning, trial operations & handing over of complete E&M packages comprising Francis Turbines, Generators, Excitation system, Generator Transformers, Bus Duct, Switchyard, BOPs etc. with their auxiliaries, for 3x14 MW SALMA DAM HYDRO POWER PROJECT, AFGHANISTAN.”

PART II – PRICE BID



Bharat Heavy Electricals Limited
(A Govt. Of India Undertaking)
Power Sector – Northern Region,
Plot No. 25 , Sector - 16A ,
Distt. Gautam Budh Nagar, NOIDA – 201 301(INDIA)

Registered Office: BHEL House, Siri Fort, New Delhi – 110 049, India

Website: www.bhel.com



ISO 9001, ISO 14001 and
OHSAS 18001 certified
company
SubContract and Purchase
Deptt.

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THIS TENDER SPECIFICATION ISSUED TO:

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RATE SCHEDULE

SALMA DAM HEP AFGHANISTAN					
S.No. / Item	Brief description of work	Unit	qty.	Unit Rate, inclusive of all taxes / duties / levies. in USD	Amount in USD
1	2	3	4	5	6
1	E, T & C works				
1 (a)	Lumpsum price for erection, testing, commissioning, trial operations & handing over of Francis Turbines, Generators, Excitation systems and their auxiliaries etc of 3 x 14 MW HYDRO UNITS OF SALMADAM HEP as per the tender specifications.				
2	Material handling				
2 (a)	Rate in USD/ Tonne for receipt, safe unloading (from trucks/ trailers) with mobile crane in project store OR with EOT crane in power house and stacking on wooden/ concrete sleepers/ packings. Refer Clause 2.1 A (Chapter-II, Part I, TCC)	Tonne	app 500		
2 (b)	Rate in USD/ Tonne for loading of materials / equipments from project stores with mobile crane on truck/trailer and transportation to & unloading at power house or work site for erection with EOT crane or mobile crane/ alternate method.	Tonne	App 1900		

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2 (c)	Rate in USD/ Tonne for verification, proper storage, stacking and preservation of materials / equipments received including materials already received and unloaded by other contractor in project stores / power house	Tonne	App 1700		
2 (d)	Rate in USD/month for providing services of mobile crane 20 tonne capacity for material handling at project stores including its running and maintenance. (Refer scope of work clause 2.1 N, Chapter II, Part I, TCC)	month	24		
3	Office shed 16M x 10M x 3.5M - 1 No. -As per specifications in the main document & sketch Annexure III	Sq Mtr	160		
3 (a)	Table - executive App 6' x 3'	Nos.	1		
3 (b)	Table - executive app 5' x 2'8"	Nos.	5		
3 (c)	Table - non-executive app 4'6" x 2'6"	Nos.	2		
3 (d)	Sleek Computer Table	Nos.	3		
3 (e)	Chairs - Swivel high back	Nos.	6		
3 (f)	Chairs - Swivel Normal back	Nos.	2		
3 (g)	Chairs- visitors & conf room	Nos.	18		
3 (h)	Side racks	Nos.	8		
3 (j)	Almirah with lockers - Big	Nos.	5		
3 (k)	Refrigerator 220-250 Ltr.	Nos.	2		

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3 (l)	Water cooler - Cap. 50 Ltr.	Nos.	1		
3 (m)	Photocopier machine for A3 & A4 size - CANON 3050 or equivalent.	Nos.	1		
3 (n)	Wall mounted fans App 400-450 mm or ceiling Fans app 1200 mm incl installation	Set	10		
3 (p)	Computer Desktop or Laptop - Pentium P4 with webcam	Set	3		
3 (q)	Laser Printer - Colour HP Make or equivalent	Nos.	3		
3 (r)	Scanner - HP scan jet G2410 or equivalent	Nos.	1		
3 (s)	Fax machine	Nos.	2		
4	Storage - covered and open				
4 (a)	<u>Stores shed - 40M x 12M - 1 Nos.</u> As per specifications in the main document	Sq.M	480		
4 (b)	Open storage area of approx. 5,000 Sq.M.- i) Fencing (App 275 running metre) of open store area with provision of 5 metre wide gate and security check post. (As per specifications in the main document). ii) 15 electric poles 4 metres above ground with fittings in store area for proper illumination	Running mtr Lumpsum	275 Lumpsum		
4 (c)	Construction of temporary covered sheds of steel and GS sheets over some of the sensitive packages (Like stator sectors, panels etc...) as per				

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	specifications in main document with i) Height upto 2.5 mtrs ii) Height 2.5 to 3.5 mtrs	Sq Metre	App 100 App 100		
5	Furnishing of Residential Camp: Providing following furnishings in each of the 4-room 3 no. bare quarters				
5 (a)	Double bed with coir foam mattress in master bed room, single bed with coir foam mattress in other two rooms with bed sheets, pillows and pillow covers, wall to wall carpet and curtains.	Set	3		
5 (b)	5 seat Sofa set – one each in each quarter	set	3		
5 ©	Refrigerator app 165 litre – one each in each quarter	no.	3		
5 (d)	Air cooler – 3 each in one quarter	no.	9		
5 (e)	21 " colour TV – one each in each quarter	no.	3		
5 (f)	Steel Almirah full size- three in each quarter	no.	9		
5 (g)	Study tables with 2 chairs in each room	set	9		
5 (h)	Dressing table – one each in each quarter	no.	3		
5 (j)	Set of 3 Quilts and 3 blankets in each quarter	set	3		
5 (k)	Electric Iron	no.	3		
5 (l)	Emergency light -one in each	no.	3		

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	quarter				
5 (m)	Set of 4 Buckets with 4 mugs in each quarter	no.	3		
5 (n)	Washing machine automatic - one in each quarter	no.	3		
5 (p)	Electric kettle -one in each quarter	no.	3		
5 (q)	Heaters/ blowers - 3 in each quarter	no.	9		
6	Providing mess facility in one of the quarters allotted for app 8-10 persons with items listed below	Set	1		
6 (a)	Providing 6' x 3' eight seat sun mica top dining table with 8 cushioned seat dining chairs and one no. 5 seat sofa set with 4' x 1 ¾' centre table.	Set	1		
6 (b)	Crockery, cutlery, cooking utensils, gas stove with cooking gas connection, electric kettle, emergency light	Lot	1		
6 (c)	Microwave oven	no.	1		
6 (d)	Air cooler	no.	2		
6 (e)	Heaters/ blowers	no.	2		
6 (f)	Refrigerator 280-300 Litre	No.	1		
6 (g)	29" Colour TV with dish antenna	No.	1		
7	Guest House at HERAT, Afghanistan				
7 (a)	Maintaining 2 room house/ flat as guest house accommodation with caretaker (For other	months	24		

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	Liaoning works as well) at HERAT city Afghanistan for use of visiting BHEL officers/ staff in transit with proper boarding and lodging arrangements including providing vehicle for pick up/drop at airport & local use. (App usage shall be 7 days in a month)				
8	DG sets for Electric supply				
8 (a)	Rate/month for providing 1 no. DG set of 125 kVA capacity for construction power for power house, running of EOT crane, BHEL site office etc and other work areas near Power House incl. its running and maintenance	months	27		
8 (b)	Rate/month for providing 1 no. DG set of 25 kVA for stores area incl. its running and maintenance.	months	27		
8 (c)	Rate/month for providing 1 no. DG set of 25 kVA for switchyard area incl. its running and maintenance.	months	27		
9	Site vehicles				
9(a)	Rate in USD/ month for providing in phased manner as per requirement of BHEL air conditioned vehicle 5-seater with driver, running and maintenance (Pajero/ Paredo/ Surf or equivalent vehicle)	Vehicle Month	42		
10	Mobile crane for erection				
10(a)	Rate in USD/month for providing services of mobile crane 40 tonne capacity for erection of stayring & spiral casing. See note 4 below.	month	9		
				TOTAL	

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Note:

1	The rates to be quoted in Column (5) shall be on Unit rates unless specified in Column (3)
2	In case of Price Discrepancy, GCC Cl. 1.4 shall be referred.
3	The quantities indicated against each item above are tentative and are liable to vary depending upon the site requirement. The contractor has to supply / install actual quantities as per advice of BHEL Engineer and accordingly the final contract price shall be adjusted on the basis of quantities actually erected at site & payment will also be regulated for the same. The contractor confirms that unit rate quoted above takes care of such variations during execution stage.
4	While quoting for Item No. 10, bidders may quote competitive price keeping in mind that running expenses of mobile crane (Mainly fuel and operator) shall more or less be offset by similar expenses for EOT crane for which power from DG and operator are in the scope of the bidder only. This Mobile crane may be used for erection of stayring & spiral casing erection if EOT shall not be ready by that time. In case of EOT crane will be available for erection of stayring & spiral casing then quoted price against this item shall be deducted from the contract price.

(Seal and signature of Tenderer)

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