## <u>Corrigendum - II</u>

**Project: Assam Integrated River Basin Management Program (AIRBMP)** 

Ref. no.: WRD\_GOODS3\_EMERGENCY\_BEKI&BURIDEHING

Assignment Title: PROCUREMENT OF GEOBAG, GEO-SHEET, SEWING THREAD INCLUDING FILLING MATERIALS OF SAND.

Clause ref. no.	REOI Conditions	Additional clauses may be read as
	Last Date of submission and opening of Bid is 04.04.2023.	Last Date of submission and opening of Bid is extended to 11.04.2023.
	Delivery Period of Geo-materials is 30 days.	Delivery Period of Geo-materials is 45 days.
1.2.1	1.2.1: Technical Specification	1.2.1: Technical Specification
	Supply of non-woven Geo-textile fabric sheets of 300 GSM	Supply of non-woven Geo-textile fabric sheets of 300 GSM
	manufactured from 100% virgin Polypropylene (PP) fiber	manufactured from 100% virgin Polypropylene (PP) fiber with
	with minimum properties as per IS 16653: 2017	minimum properties as per IS 16653: 2017
	(1) Wide Tensile strength (MD) ≥15KN/m & Wide Tensile	(i) Wide Tensile strength (MD) ≥15KN/m & Wide Tensile strength
	strength (CD) ≥15KN/m	(CD) ≥15KN/m
	(ii) Elongation (MD) ≥50% & Elongation (CD) ≥50%	(ii) Elongation (MD) ≥50% & Elongation (CD) ≥50%
	(iii) Abrasion ≥95%	(iii) Abrasion ≥95%
	(iv) Trapezoidal Tear Strength (MD) ≥340 N & Trapezoidal	(iv) Trapezoidal Tear Strength (MD) ≥340 N & Trapezoidal Tear
	Tear Strength (CD) ≥340N	Strength (CD) ≥340N
	(v) CBR Puncture strength ≥3000 N	(v) CBR Puncture strength ≥3000 N
	(vi) Permittivity ≥1.25 s-1	(vi) Permittivity $\geq 1.25 \text{ s}-1$
	(vii)Permeability ≥60l/m2/sec	(vii)Permeability ≥60l/m2/sec
	(viii)AOS ≤75micron	(viii)AOS ≤75micron
	(ix)UV Resistance @500 hours retained Tensile strength	(ix)UV Resistance @500 hours retained Tensile strength (MD) &
	(MD) & (CD) ≥80%	(CD) ≥80%
	$(x) \text{ Mass} \ge 300 \text{gm/m}^2$	$(x) \text{ Mass} \ge 300 \text{gm/m}^2$
	(xi)Thickness at 2KPa ≥3mm.	(xi)Thickness at 2KPa ≥3mm.
	Each Roll of Geo Fabric Sheet (approximately 400 sqm to	Each Roll of Geo Fabric Sheet (approximately 400 sqm to 600 sqm
	600 sqm per roll) should be supplied in properly packed	per roll) should be supplied in properly packed <b>in rolls</b> and should
	<b>Bundles</b> and should be marked with the Name of	be marked with the Name of Manufacturer, Batch Number & its
	Manufacturer, Batch Number & its dimensions clearly on	dimensions clearly on each roll with "WRD Govt of ASSAM" to be
	each roll with "WRD Govt of ASSAM" to be printed on it and	printed on it and mentioning properly the GSM and type of polymer
	mentioning properly the GSM and type of polymer and Test	and Test Certificate from approved NABL accredited and ISO

	Certificate from app Certified Laboratory sk per roll.	Certified L frequency			bly be submitted	d <b>against</b>			
4.1	4.1. Technical Values and Test Standards: The properties of the Geo-Textile to be delivered to the Site shall be tested according to the relevant standards in their latest version and meet or exceed the technical values of the following table:				Textile to b	oe delivered andards in t	to the Site shal	The properties of ll be tested accordation and meet or e	ling to the
		I	I	7	Properties		Test	Test Values	
	Properties	Test Standard	Test Values				Standard		
		Stanuaru			Permeability,	(velocity	IS	≥40 lt/m2/s	
	Permeability, (velocity		≥ 45 lt/		index for a hea	d loss of	16653:2017		
	index for a head loss of $50$ mm – $v_{H50}$ )	16653:2017	m2/s		50mm - v <sub>H50</sub> )				
	*1: in case of non-isotropic material, value should be ≥ 14 kN/m for machine direction				*1: in case of non-isotropic material, value should be $\geq$ 14 kN/m for machine direction				
	Technical Specification:				Technical Specification: Supply of Geo-textile bags of type-A (1.03 × 0.70M) inner to inner made of Geo-textile non-woven fabric sheets of 400 GSM manufactured from 100% virgin Polypropylene (PP) fiber with minimum properties as per IS 16653: 2017  (i) Wide Tensile strength (MD) ≥20KN/m & Wide Tensile strength				
	Supply of Geo-textile bags of t								
	made of Geo-textile non-w								
	manufactured from 100% vi minimum properties as per IS	0 11	iene (PP) fiber	with				15 16653:	
	(i) Wide Tensile stren		N/m & Wide T	ensile				e strength	
	strength (CD) ≥20 KN/		,		(CD) ≥20 K	_	, ( )	,	
	(ii) Elongation (MD) ≥	50% & Elongati	on (CD) ≥50%		(ii) Elongation (MD) ≥50% & Elongation (CD) ≥50%				
	(iii) Abrasion ≥95%		4 <b>=</b> 034 0 =		(iii) Abrasion ≥95%			1 m	
1.1.1	(iv)Trapezoidal Tear S	Strength (MD) 2	≥450N & Trape:	zoidal			trength (MD) ≥4	450N & Trapezoid	al Tear
1.1.1	Strength (CD) ≥450N				Strength (CD) ≥450N (v)CBR Puncture strength≥4000N				
	(v)CBR Puncture stren	. ,	ivity≥1.10s	0					
	(vi)Permittivity≥1.10s	•			. ,	ability≥40l/			
	(vii)Permeability≥40l/				(viii)AOS ≤		,		
	(viii)AOS ≤75micron						00 hours retaine	ed Tensile strengtl	n
	(ix) UV Resistance @5	00 hours retain	ed Tensile stren	gth	(MD) & (CD	0) ≥ 80%			

	$(MD) \& (CD) \ge 80\%$	(x)Mass≥400 gm/m <sup>2</sup>
	$(x)$ Mass $\geq 400$ gm/m <sup>2</sup>	(xi) Thickness at 2 KPa≥3 mm
	(xi) Thickness at 2 KPa≥3 mm	(xii) Seam strength ≥80 % of actual fabric strength.
	(xii) Seam strength ≥80 % of actual fabric strength.	Stitching of Bags should be <b>PPMF yarn / thread</b> stitches with <b>2000</b>
	Stitching of Bags should be <b>Ring Spun Yarn</b> stitches with <b>2500</b> -	<b>denier</b> double line chain stitch with overlap with stitches along the edge
	<b>3000 denier</b> double line chain stitch with overlap with stitches	@ minimum 15 stitches per 100mm.
	along the edge @ minimum 15 stitches per 100mm.	Bags are to be supplied of 100 numbers in a bundle, properly packed with
	Bags are to be supplied of 100 numbers in a bundle, properly	each bag having proper tag with name of Manufacturer, Batch Number, the
	packed with each bag having proper tag with name of	GSM, and type of polymer encrypted and stitched on top corner and each
	Manufacturer, Batch Number, the GSM, and type of polymer	bag is to be marked with "WRD Govt of ASSAM" to be printed distinctly.
	encrypted and stitched on top corner and each bag is to be marked	Test Certificate from approved NABL accredited and ISO (Certified
	with "WRD Govt of ASSAM" to be printed distinctly. Test Certificate	Laboratory) should invariably be submitted against per bundle/bale
	from approved NABL accredited and ISO (Certified Laboratory)	(approx. 100 Nos) of material.
	should invariably be submitted against per bundle/bale (approx.	
	100 Nos) of material.	
	The Bidder shall furnish documentary evidence to demonstrate that	The Bidder shall furnish documentary evidence to demonstrate that the
	the Goods it offers meet the following usage requirement:	Goods it offers meet the following usage requirement:
	1. ISO Certification of following items:	1. ISO Certification of the Manufacturer and Company as a whole
3.1. a. iii.	(a) Geo-textile bags of type-A $(1.03 \times 0.70M)$	
	(b) Sewing Thread/Yarn PPMF stitching thread	
	(c) Supply of non-woven Geo-textile fabric sheets of 300	
	GSM manufactured from 100% virgin Polypropylene (PP) fibre	
	The Geo-Textile fabric manufacturer shall undertake all tests in	The Geo-Textile fabric manufacturer shall undertake all tests in
	independent, ISO accredited test laboratories, acceptable to the	independent, ISO and NABL accredited test laboratories in India,
0.4	Purchaser. For example, the following institutions or their	acceptable to the Purchaser.
3.1	equivalent may be considered for undertaking sample tests:	
	(i) India GAI-LAP ii) CSMRS, New Delhi.	
	Others can be found in	
	http://www.apparelsearch.com/testing_labs.html	

Sd/-Chief Engineer Water Resources Department AWC, Basistha Guwahati 29 **GOVERNMENT OF ASSAM** 

ASSAM INTEGRATED RIVER BASIN MAMAGEMENT PROJECT (AIRBMP)

NATIONAL OPEN COMPETITIVE PROCUREMENT

(Two-Envelope Bidding Process with e-Procurement)

FOR PROCUREMENT OF GEOBAG, GEO-SHEET, SEWING THREAD INCLUDING

FILLING MATERIALS OF SAND.

RFB No.: WRD\_GOODS3\_EMERGENCY\_BEKI&BURIDEHING

## REPLY TO QUERIES BY WRD ON THE POINTS SEEKING CLARIFICATION BY SKAPS INDUSTRIES INDIA PVT. LTD.

The	The corrigendum published and uploaded dtd. 28.03.2023 will reflect the necessary amendment against sl. No. 4, 5, 13, 14, 16, 17)								
SI. No.	Page no.	Section	Point no.	In tender documents	Seeking Clarification	Reply by WRD to the queries raised			
1	39	III - Evaluation and Qualification Criteria	1/ 1.1 / (a)/ (i) - Financial Capability	The Bidder shall furnish documentary evidence that it meets the following financial requirement(s): Minimum annual turnover in any two financial years of the last five Financial Years shall be Rs. 254.83 Lakh and shall be given as tabulated below.  The Annual Turnover shall be supported by the relative documents and shall be certified by CA.	Is Annual T/O certificate by CA is enough documentary evidence to prove the Financial Capability? Or we need to attach Annual Reports to Justify that?	Annual turn-over by the bidder shall be submitted in tabulated form given in the RFB and shall be supported by the relevant documents namely audited balance sheet and statement of profit and losses and shall be certified by a Nationalised bank/CA.			

2	39/40	III - Evaluation and Qualification Criteria	1/ 1.1 / (a)/ (ii) - Experience and Technical Capacity	The Bidder shall furnish documentary evidence to demonstrate that it meets the following experience requirement(s): The Bidder must have satisfactorily completed supply contracts of similar goods for at least the quantity stipulated in Section VII-Schedule of Requirements in any one of the last three years preceding the date of bid submission.	Is Supply Completion certificate with Date of Completion as 17th October 2020, of which the supply commenced in November 2018 is valid for this qualification criteria.	It has to be any one year of the last three years preceding the date of bid submission.  The year mentioned by the bidder does not fully comply the condition.
3	39/40	III - Evaluation and Qualification Criteria	1/ 1.1 / (a)/ (ii) - Experience and Technical Capacity	The Bidder must have a continuous production/supply of similar goods amounting to at least 3 times the quantity stipulated in Section VII-Schedule of Requirements mentioned above in the last three years	Seeking clarification that, What are the documents required to submit to prove this criteria. Also, what if, we do not have any you can we can prove our capacity to produce and supply regardless of this condition, as we do have only Tender awarded in JUNE 2021 for 1,13,500 nos. of similar goods.	Bidders shall submit Agreement, supply order, and completion/satisfaction certificate.  Tender award mentioned by the bidder does not fulfil the ITB 37.1 (ii) condition of the RFB.

4	40	III - Evaluation and Qualification Criteria	1/ 1.1 / (a)/ (iii) - Documentary Evidence /1.	The Bidder shall furnish documentary evidence to demonstrate that the Goods it offers meet the following usage requirement:1. ISO Certification of following items:(a) Geo-textile bags of type-A (1.03 × 0.70M)(b) Sewing Thread/Yarn PPMF stitching thread(c) Supply of non-woven Geo-textile fabric sheets of 300 GSM manufactured from 100% virgin Polypropylene (PP) fibre.	We can provide our ISO certificate representing company as whole with scope mentioned in to it.	Accepted.
5	40	III – Evaluation and Qualification Criteria	1/ 1.1 / (a)/ (ii) – Documentary Evidence /2	2. Documents evidencing that the goods meet the Test Standards mentioned in Para 4 of Technical Specifications in Section VII.	Technical specifications given on page no. 67/68 as well as on page no. 69 – please confirm which is to be considered.	Technical specifications mentioned in Page 67 (Geotextile bags), page 68 (geofabric sheets) and page 69 (Technical Values and Test Standards of geo-textiles) – all shall prevail.  Water Permeability given on page no. 67 and 68 shall prevail.

						In page 69, it shall be read as ≥40 lt/m²/s in the table instead of ≥45 lt/m²/s, which conforms to table 1 (clause 4.1.1) at page no.2 of IS 16653:2017.
6	40	III - Evaluation and Qualification Criteria	1/1.1 / (b)/ If the bidder is not manufacturer	If a Bidder is not a manufacturer, but is offering the Goods on behalf of the Manufacturer under Manufacturer's Authorization Form	Is that accepted, if we furnish the documents of Sewing Thread manufacturer - Manufacturers Authorization	Bid Conditions shall prevail.  Please see Bidding Forms in Section IV of the RFB which also includes  Manufacturer's  Authorization form (No. 6)
7	56	IV- Bidding Forms	7. DECLARATION for Claiming Excise Duty Exemption	Provided FORM states the Exemption of Excise Duty Exemption	We seek for Letter Exemption of CUSTOM DUTY as we are in SPECIAL ECONOMIC ZONE of INDIA, to avail CUSTOM DUTY WAIVER.	Bid Conditions shall prevail.  Please use the Form if you require.
8	67/68	Section VII - Schedule of Requirements	2. Technical Specifications 1.1.1 Technical Specification - TYPE A Geobags.	Page no. 67 & Page no. 69	Please clarify which page to be followed for the technical specification of TYPE A Geobags.	Technical specifications given in page no. 67.
9	67		2. Technical Specification 1.1.1	Stitching of bags should be Ring Spun yarn with 2500- 3000 denier	PPMF 2000 denier as per page 33, section-II BDS	In 1.1.1 of Technical Specification, "Ring Spun Yarn stitches with 2500-

		Technical Specification			3000 denier" shall be read as "PPMF 2000 denier yarn / thread"
10	67	2. Technical Specification 1.1.1 Technical Specification	Minimum 15 stitches per 100mm	3.7 to 3.8 stitches per inch is minimum, whereas chances to exceed 3.8 in few cases.	Bid condition will prevail. (3.7 to 3.8 stitches per inch equals to approximately 15 stitches per 100mm)
11	68	2. Technical Specifications 1.2.1 Technical Specification - Geotextile Filter fabric Sheet	(xi)Thickness at 2KPa ≥3mm	The required Thickness of 300 GSM Geotextile seems to be higher compared to the other product TYPE A GEOBAG of 400 GSM i.e. thickness is directly proportional to GSM	Bid condition shall prevail. This specification is for Geo- Textile Filter Sheets.  Thickness at 2 kPa≥3mm conforms to table 1 (clause 4.1.1) at page no.2 of IS 16653:2017.
12	68		Thickness at 2kPa >3mm	Thickness at 2.2 to 2.5mm	Bid condition will prevail.  Minimum thickness shall be 3mm at 2kPa
13	68		Properly packed bundles	It is packed in roll form	In 1.2.1, "bundles" shall be read as "in rolls".
14	68	1.2.1 Technical Specification	Test certificate from approved NABL lab against per roll	20000 sq.mtr. as per 73 point 9.1	Sample testing per 20,000 sqm of geo-fabric sheets shall be accepted as per clause 9.1 at page 73.

15	68	2. Technical Specifications 1.2.1 Technical Specification - Geotextile Filter fabric Sheet	Each Roll of Geo Fabric Sheet (approximately 400 sqm to 600 sqm per roll) should be supplied in properly packed Bundles and should be marked with the Name of Manufacturer, Batch Number & its dimensions clearly on each roll with "WRD Govt of ASSAM" to be printed on it and mentioning properly the GSM and type of polymer and Test Certificate from approved NABL accredited and ISO Certified Laboratory should invariably be submitted against per roll	In contradiction to statement on page no. 73 - Frequency of Quality Control by the Manufacturer/Supplier: The Supplier shall undertake sampling and testing of all mechanical and hydraulic properties listed in the specifications under Clause 4 above, (excepting those named in clause 9.2), at a frequency of not less than every 20,000 m² of Geo-Textile fabrics manufactured for the purpose of making Geo-Textile bags or Geo-Textile Filter Sheets	Sample testing per 20,000 sqm of geo-fabric sheets shall be accepted as per clause 9.1 at page 73.
16	68	2. Technical Specifications 2. Sampling and Testing	The Geo-Textile fabric manufacturer shall undertake all tests in independent, ISO accredited test laboratories, acceptable to the Purchaser. For example, the following institutions or their equivalent may be	We request you to add ATIRA - Ahmedabad Textile Industries Research Association as entity to perform Third party Tests, if required you can visit the same for the approval based.	Test Reports from any laboratory in India accredited by NABL and ISO Certified Laboratory shall invariably be submitted against per roll.

			considered for undertaking sample tests: i). India GAI-LAP ii) CSMRS, New Delhi		
17	69	4.3 Tech values a Test Standar	nd Permeability 50mm 45 l/sq.m/s	40 l/sq.m/s as per page 67	Water Permeability shall be read as ≥40 lt/m²/s in the table at page no. 69 instead of ≥45 lt/m²/s, which conforms to table 1 (clause 4.1.1) at page no.2 of IS 16653:2017.

**Sd/-**Additional Chief Engineer
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